# WING Digital Hub

## API Specifications for Enterprises

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**Version 0.2**

# Document Revision History

| Version | Status | Date | Author | Reviewed by | Description of change |
|---------|--------|------|--------|-------------|------------------------|
| 0.1 | Draft | 14.2.23 | Bindu | | Added APIs in User Management section, Account Management section and Subscription section. Added new sections WDH Sim Order APIs, Notification Service, Probe Handler, API GW/NGINX, Invoice Data, Rating Service and Change Static IP<br><br>Updated "Document Overview"<br><br>Added API Version as V1 in Update Billing State API |
| 0.1 | | 06.03.23 | Bindu | | Updated CR18 APIs and SIM Order APIs with the new version received. |
| 0.2 | Updated | 29.03.23 | Bindu | | Updated URL and Body text for Change Static IP API and removed excess body text for Get Rate Plan Details by Rate Plan ID API. |
| 0.3 | Updated | 12.04.23 | Bindu | | Updated correct URL and fieldnames in Invoice Details. |

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# Contents

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The Internet of Things (IoT) holds vast promise for enterprises. Not only is it one of the principal engines of the so-called fourth industrial revolution, or Industry 4.0, that will transform manufacturing, but the IoT will boost efficiency and productivity across all enterprise activities.

By connecting and then managing the cooperation between machines, sensors and other devices, IoT will power new monitoring, tracking, measuring and analysis technologies. These advances will depend fundamentally on the continuous and uninterrupted flow of data between enterprise assets and operations, no matter how widely dispersed they are.

It's a highly complex undertaking to achieve this connectivity and manage the data flows to and from numerous fixed and moving assets, across multiple radio technologies and between any location on land, air, and sea. The challenge facing enterprises, especially multinationals, is immense.

Now there's an answer with Nokia's Worldwide IoT Network Grid (WING) Digital Hub. This complete managed service has been created with communication service providers and enterprise customers in mind, to help them enter the world of IoT, or further grow their existing IoT offerings. WING Digital Hub manages the IoT connectivity and services needs of assets, such as connected cars or connected freight containers, as they move around the globe, reducing complexity for large enterprises which would otherwise be required to work with multiple mobile network and technology providers.

Nokia WING Digital Hub offers a unique, API driven, geographically distributed IoT core as a service, as well as a single unified IoT platform that has all the functionality for real-time management of IoT devices across the globe. This uniquely designed, multi domestic self-service portal offers the benefits of full automation and notification and gives access to unique views and dashboards.

Enterprises benefit from a truly global IoT connectivity grid with a fast and simple go-to-market route for their connected applications and total connectivity management including a dedicated SLA which fits their specific applications. They gain assured levels of performance, full expert support and additional capabilities such as analytics to provide deeper insight.

## About WING Digital Hub

**WING Digital Hub (Worldwide IoT Network Grid Hub)** is a robust and highly scalable **IoT** (**I**nternet **of T**hings) application that helps organizations manage and monitor their SIM Cards and things to capture data at varied volumes and speeds. The **WING Digital Hub** comprises of numerous building blocks, such as:

- Resources

- Data usage
- Tariffs
- SIM lifecycle management
- Virtual pools
- Reports
- Diagnostics

This manual describes the API capabilities of WING Digital Hub and guides you through a detailed set of procedures to achieve specific outcomes.

## Intended audience

This document is meant to function as a ready reference for the following audience:

- Software Product Developers
- System Administrators
- System Support Team

## Conventions used

This manual uses the following typographical conventions:

| Appearance | Description |
|---|---|
| *emphasis* | Text that is emphasized. |
| {variable} | A value or parameter that user provides. |
| <user input> | User input required. |
| [optional] | An optional variable. |
| {value 1 \| value 2} | A choice of values of variable from which one value or variable is used. |

## Resources

The following documentation resources may be of use when working with WING Digital Hub API:

| Title | Description |
|---|---|
| REST API | https://en.wikipedia.org/wiki/Representational_state_transfer |
| OAuth2 | https://oauth.net/2/ |

| Title | Description |
|---|---|
| JWT | https://jwt.io/ |
| OpenAPI | https://swagger.io/resources/open-api/ |
| REST API | https://en.wikipedia.org/wiki/Representational_state_transfer |

## Glossary

| Term/Acronym | Description |
|---|---|
| API | Application Programming Interface |
| CMP | Connectivity Management Platform |
| EndPoint | URL that is accessible that may give or take a request and provide a response in text/ binary format |
| JSON | JavaScript Object Notation |
| JWT | JSON Web Token |
| Oauth2 | OAuth 2.0 is the industry-standard protocol for authorization |
| Realm | An authentication group name assigned to you during the signup of tenant |
| Tenant | A unique code assigned to you as WING Digital Hub user |

# Chapter 1

Introduction

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# 1 Introduction

This chapter provides an overview of the WING Digital Hub Application Programming Interface (API), an HTTP service layer for CMP for subscriber provisioning, SIM lifecycle management, and account management.

## 1.1 API Overview

The WING Digital Hub API is organized around REST. Our API has predictable resource-oriented URLs, accepts JSON request bodies, returns JSON-encoded responses, and uses standard HTTP response codes, authentication, and verbs.

All the API resources are accessible with an access token. The process of acquiring an access token is described in the API Authentication section.

WING Digital Hub uses conventional HTTP response codes to indicate the success or failure of an API request. In general:

- Codes in the 2xx range indicate success.
- Codes in the 4xx range indicate an error that failed given the information provided (e.g., a required parameter was omitted, a charge failed, etc.).
- Codes in the 5xx range indicate an error with WING Digital Hub's servers.

## 1.2 Execution Environment

The WING Digital Hub API is offered to consumers through an API Gateway. You do not require any specific software or SDK from Nokia to access API Gateway. An application developer may use standard HTTP protocol using any of the standard libraries such as cURL, Axios (Nodejs), or OkHttp (java). WING Digital Hub does not put any restriction on the software to be used for accessing the API.

## 1.3 API Resources

The fundamental concept in any REST API is the resource. A resource is an object with a type, associated data, relationships to other resources, and a set of methods that operate on it. It is similar to an object instance in an object-oriented programming language, with the important difference that only a few standard methods are defined for the resource (corresponding to the standard HTTP GET, POST, PUT, and DELETE methods), while an object instance typically has many methods.

The WING Digital Hub API is modelled as a collection of resources to handle:

- SIM provisioning
- SIM lifecycle
- Account management

Each of the resource may have a sub-resource or sub-collection.

A single resource is homogeneous and have a set of associated sub-resources to address a specific business function such as 'account management'.

A resource is identified by a URL. This URL may also be referred to as parent resource to handle functions related to account management.

E.g.: http://{tenant}.nokiawing.com/api/{version}/accounts

A sub-resource can be identified by another URL endpoint that extends from the parent resource.

E.g.: http://{tenant}.nokiawing.com/api/{version}/accounts/account

# Chapter 2

## Authentication API

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# 2 Authentication API

All API requests are authenticated using an access token. You can get the access token by providing Client ID. The valid values for these attributes will be provided to you at the time of signing up for the WING Digital Hub API. You will exchange the "client id" for a long-lived access token.

| API Interface | Authorization Token | |
|---|---|---|
| URL | https://{baseURL}/uam/auth/realms/{realmID}/protocol/openid-connect/token | |
| Request | Method: POST, Content type: application/x-www-form-urlencoded | |
| | body | grant_type=password<br>scope=openid<br>client_id ={client id}<br>username={username}<br>password ={user password} |
| | header | None |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | JWT token |
| | 400 - Bad Request | The request was unacceptable, often due to missing a required parameter. |
| | 401 - Unauthorized | No valid API key provided. |
| | 403 - Forbidden | The API key does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/uam/auth/realms/{realmId}/protocol/openid-connect/token** endpoint. Replace {username}, {password}, {client id}, and {realmID} with your information. | | |

| API Interface | Authorization Token |
|---|---|
| Example:<br><br>curl –location –request POST '[https://{baseURL}/uam/auth/realms/{realmID}/protocol/openid-connect/token](https://{baseURL}/uam/auth/realms/{realmID}/protocol/openid-connect/token)' \<br><br>--header 'Content-Type: application/x-www-form-urlencoded' \<br><br>--data-urlencode 'scope=openid' \<br><br>--data-urlencode 'client_id=web-app' \<br><br>--data-urlencode 'grant_type=password' \<br><br>--data-urlencode 'username=<username>' \<br><br>--data-urlencode 'password=<password>' | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| username | 8-16 character string | Mandatory | The value is provided to API users |
| password | 8-16 character string | Mandatory | API user receives through email and needs to be reset by logging into WING Digital Hub portal |
| client_id | 8-16 character string | Mandatory | Provided by WING Digital Hub support team at the time of signup |
| realmID | 8-16 character string | Mandatory | Provided by WING Digital Hub support team at the time of tenant creation |

# Chapter 3

## User Management API

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# 3  User Management API

The WING Digital Hub platform provides a service where different enterprise customers, or operators can manage users and user-groups for various IoT services.

The following section specifies the API for User management. The root URL resource for all user management functions is:

https://{baseURL}/api/{version}/users/

{baseURL} example: wdh-sitstg2.nokiawing.com

{version} example: v1

All other sub-resources help you manage functions such as user creation, modification, and querying.

## 3.1  User Query API

**Description:**

This API can be used to fetch a user based on a search criteria. The search criteria can be used with any parameters specified in the Parameters table of this section.

| API Interface | Fetch Users | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/users/{realmId}/user?page=0&size=50 | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | realmId=<tenant-code/realm-id> |
| | Query Parameters | Paging params (page=0&size=50) |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| header | | 'X-Total-Count: <total records>' |
| HTTP Status | 200 - OK | [<br>{<br>"id": "string",<br>"createdTimestamp": 0, |

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| API Interface | Fetch Users | |
|---|---|---|
| | | "defaultLanguage": "string", "email": "string", "emailVerified": boolean, "enabled": boolean, "firstName": "string", "lastName": "string", "userCategory": "ACCOUNT", "username": "string" } ] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the /users. |
| Query Users API is generic API |
| "userType" represents one of the possible values; ACCOUNT, GROUP |

| Example: |
|---|
| curl –location – request GET 'https://{baseURL}/api/{version}/users/users/wdh-sitstg2/user?page=0&size=50' -header **'Authorization: Bearer <JWT-TOKEN>'** --header '**Content-Type: application/json'** --header **'Account-Context-Id: <ACCOUNT_ID>'** |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.2   Fetch Users by User Category API

**Description:**

This API can be used to fetch users by user-category.

| API Interface | Fetch Users | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/users/find-by-category/{userCategory} | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | userCategory=<ACCOUNT/GROUP> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>{<br>"id": "string",<br>"createdTimestamp": 0,<br>"defaultLanguage": "string",<br>"email": "string",<br>"emailVerified": boolean,<br>"enabled": boolean,<br>"firstName": "string",<br>"lastName": "string",<br>"userCategory": "ACCOUNT/GROUP",<br>"username": "string"<br>}<br>] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a GET request to the /users.<br><br>Query Users API is generic API<br><br>"userType" represents one of the possible values; ACCOUNT, GROUP. | | |

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| API Interface | Fetch Users |
|---|---|
| Example: <br><br> curl –location – request GET '[https://{baseURL}/api/{version}/users/users/find-by-category/ACCOUNT](https://{baseURL}/api/{version}/users/users/find-by-category/ACCOUNT)' -header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`'--header `'Account-Context-Id: <ACCOUNT_ID>'` | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" <br><br> This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.3  Create User API

### Description:

This API can be used to create a user.

| API Interface | Create User |
|---|---|
| URL | https://{baseURL}/api/{version}/users/users/{realmId}/user |
| Request | Method: POST, Content type: application/json |
| | Path variables | realmId=<tenant-code/realm-id> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br> `'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { <br> "username": "string", <br> "firstName": "string", <br> "lastName": "string", <br> "userCategory": "ACCOUNT/GROUP", <br> "defaultLanguage": "string", <br> "email": "string", <br> "emailVerified": boolean, |

| API Interface | Create User | |
|---|---|---|
| | | "enabled": boolean,<br><br>" userGroupId": "string"<br><br>}<br><br>**Note:** All fields are mandatory. |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>"id": "string",<br>"createdTimestamp": 0,<br>"defaultLanguage": "string",<br>"email": "string",<br>"emailVerified": boolean,<br>"enabled": boolean,<br>"firstName": "string",<br>"lastName": "string",<br>"userCategory": "ACCOUNT/GROUP ",<br>"username": "string"<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/users**.<br><br>"userCategory" represents one of the possible values; ACCOUNT, GROUP. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

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## 3.4 Update User API

**Description:**

This API can be used to update user details.

| API Interface | Update User | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/users/{realmId}/user/{userId} | |
| Request | Method: PUT, Content type: application/json | |
| | Path variables | realmId=<tenant-code/realm-id> userId=<userId> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>"username": "string",<br>"firstName": "string",<br>"lastName": "string",<br>"userCategory": "ACCOUNT/GROUP",<br>"defaultLanguage": "string",<br>"email": "string",<br>"emailVerified": boolean,<br>"enabled": boolean<br>}<br>**Note:** All fields are mandatory. |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>id: "string",<br>createdTimestamp: 0,<br>defaultLanguage: "string",<br>email: "string",<br>emailVerified: boolean,<br>enabled: boolean,<br>firstName: "string",<br>lastName: "string",<br>userCategory: "ACCOUNT/GROUP",<br>username: "string"<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Update User | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes: | | |
| Send a PUT request to the **/users**. | | |
| "userCategory" represents one of the possible values: ACCOUNT, GROUP. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.5 Fetch All User-Group Mapping by User API

**Description:**

This API can be used to fetch user-group mapping by user.

| API Interface | Fetch User-Group Mapping | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/users/user/{userId}/groups | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | userId=<userId> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>{<br>  "userGroup": {<br>   "id": "string",<br>   "name": "string",<br>   "description": "string",<br>   "userGroupCategory": "< ACCOUNT/GROUP>",<br>   "dateCreated": "string<ISO_8601_FORMAT>" |

| API Interface | Fetch User-Group Mapping | |
|---|---|---|
| | ```
      },
      "roles":{
         "id": "string",
         "name": "string",
         "description": "string",
         "dateCreated": "string<ISO_8601_FORMAT>",
         "roleCategory":
"<ACCOUNT/ACCOUNT_ADMIN>"
      },  "accounts": [
      {
         "accountId": "long",
         "parentAccountId": "long",
         "billingAccountId": "long",
         "tenantId": "string",
         "accountName": "string",
         "accountState": "string",
         "accountType": "string"
      }
   ]
}
]
``` | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a GET request to the **/users**.<br><br>"userGroupCategory" represents one of the possible values; ACCOUNT, GROUP.<br><br>"roleCategory" represents one of the possible values: ACCOUNT, ACCOUNT_ADMIN. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.6 Fetch User-Groups API

**Description:**

This API can be used to fetch user-groups.

| API Interface | Fetch User-Groups | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/user-groups/{realmId}?page=0&size=50 | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | realmId=<tenant-code/realm-id> |
| | Query Parameters | Paging params (page=0&size=50) |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `[`<br>`{`<br>`  "id": "string",`<br>`  "name": "string",`<br>`  "userGroupCategory": " /ACCOUNT/GROUP",`<br>`  "description": "string",`<br>`   "dateCreated": "string<ISO_8601_FORMAT>",`<br>`  "allAccountSelected": "boolean",`<br>`  "account": "All/Multiple/Account-Name",`<br>`}`<br>`]` |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| API Interface | Fetch User-Groups |
|---|---|
| Notes:<br><br>Send a GET request to the /users/user-groups.<br><br>Query User-Groups API is generic API<br><br>"userGroupCategory" represents one of the possible values: ACCOUNT.<br><br>"account" must have one of the possible values.<br><br>1. "allAccountSelected" is true<br>2. Account-Name for Account User | |
| Example:<br><br>curl –location –request GET 'https://{baseURL}/api/{version}/users/user-groups/wdh-sitstg2?page=0&size=1000' --header `Authorization: Bearer <JWT-TOKEN>'` --header 'ContentType: application/json'--header `'Account-Context-Id: <ACCOUNT_ID>'` | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.7 Fetch User-Groups by User-Group Category API

**Description:**

This API can be used to fetch user-groups by user-group category.

| API Interface | Fetch User-Groups by User-Group Category | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/user-groups/find-by-category/{userGroupCategory} | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | userGroupCategory=< ACCOUNT> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

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| API Interface | Fetch User-Groups by User-Group Category | |
|---|---|---|
| HTTP Status | 200 - OK | [<br>{<br>      "id": "string",<br>      "name": "string",<br>      "description": "string"<br>      "userGroupCategory": "< ACCOUNT>",<br>      "dateCreated": "string<ISO_8601_FORMAT>"<br>}<br>] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/user/user-groups**.<br><br>"userGroupCategory" represents one of the possible values: ACCOUNT. |
| Example:<br><br>curl –location –request GET 'https://{baseURL}/api/{version}/users/user-groups/find-by-category/ACCOUNT ' --header **'Authorization: Bearer <JWT-TOKEN>'** --header 'ContentType: application/json'--header **'Account-Context-Id: <ACCOUNT_ID>'** |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.8 Create User-Group API

**Description:**

This API can be used to create a user-group.

| API Interface | Create User-Group | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/user-groups | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "id": "string",<br>  "name": "string",<br>  "description": "string",<br>  "userGroupCategory": "< ACCOUNT>",<br>  "selectAllAccount": "boolean",<br>  "roleId": "string",<br>  "accountIds": ["accountId1", "accountId2"],<br>  "userIds": ["userId1", "userId2"]<br>}<br>**Note:**<br><br>1. All fields are mandatory.<br>2. If "selectAllAccount" is true, then "accountIds" must be empty array |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | "userGroupId<string>" |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/users/user-groups**.<br><br>"userGroupCategory" represents one of the possible values; ACCOUNT. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" <br> This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.9 Update User-Group API

**Description:**

This API can be used to update a user-group.

| API Interface | Update User-Group | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/user-groups | |
| Request | Method: PUT, Content type: application/json | |
| | header | 'Authorization: Bearer <ACCESS_TOKEN>' <br> 'Account-Context-Id: <ACCOUNT_ID>' |
| | body | {<br>  "id": "string",<br>  "name": "string",<br>  "description": "string",<br>  "userGroupCategory": "<ACCOUNT>",<br>  "selectAllAccount": "boolean",<br>  "roleId": "string",<br>  "accountIds": ["accountId1", "accountId2"],<br>  "userIds": ["userId1", "userId2"]<br>}<br>**Note:**<br>1. All fields are mandatory.<br>2. If "selectAllAccount" is true, then "accountIds" must be empty array. |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | "userGroupId<string>" |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Update User-Group | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a PUT request to the **/users/user-groups**.<br><br>"userGroupCategory" represents one of the possible values; ACCOUNT. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

# 3.10 Add Accounts to User-Group API

**Description:**

This API can be used to add accounts to a user-group.

| API Interface | Add Accounts to User-Group | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/user-groups/{realmId}/{userGroupId}/accounts | |
| Request | Method: POST, Content type: application/json | |
| | Path variables | realmId=<realmId/tenantCode><br>userGroupId=<userGroupId> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "accountIds": ["accountId1", "accountId2"]<br>} |

| API Interface | Add Accounts to User-Group | |
|---|---|---|
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | "OK<string>" |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" <br> This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.11 Fetch Roles API

**Description:**

This API can be used to fetch roles.

| API Interface | Fetch Roles | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/roles/{realmId}/role?page=0&size=50 | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | realmId=<tenant-code/realm-id> |
| | Query Parameters | Paging params (page=0&size=50) |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `[`<br>`{`<br>`  "id": "string",`<br>`   "name": "string",`<br>`   "roleCategory": "ACCOUNT/ACCOUNT_ADMIN",`<br>`   "description": "string",`<br>`   "dateCreated": "string<ISO_8601_FORMAT>"`<br>`   "accountName": "string"`<br>`}`<br>`]` |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a GET request to the **/users/roles**. Query Roles API is generic API<br><br>"roleCategory" represents one of the possible values; ACCOUNT, ACCOUNT_ADMIN. "account" must have one of the possible value;<br><br>   1.  "allAccountSelected" is true<br>   2.  Account-Name for Account User | | |

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| API Interface | Fetch Roles |
|---|---|
| Example:<br><br>curl –location –request GET 'https://{baseURL}/api/{version}/users/roles/wdh-sitstg2/role?page=0&size=1000' --header **'Authorization: Bearer <JWT-TOKEN>'** --header **'ContentType: application/json'** --header **'Account-Context-Id: <ACCOUNT_ID>'** | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.12 Fetch Roles by Role-Group Category API

**Description:**

This API can be used to fetch roles.

| API Interface | Fetch Roles by Role-Group Category | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/roles/find-by-category/{rolesCategory} | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | rolesCategory=<ACCOUNT/ACCOUNT_ADMIN> |
| | Query Parameters | Paging params (page=0&size=50) |
| | header | **'Authorization: Bearer <ACCESS_TOKEN>'**<br>**'Account-Context-Id: <ACCOUNT_ID>'** |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>{<br>    "id": "string",<br>    "name": "string",<br>    "description": "string"<br>    "roleCategory": "<ACCOUNT>",<br>    "dateCreated": "string<ISO_8601_FORMAT>"<br>}<br>] |

| API Interface | Fetch Roles by Role-Group Category | |
|---|---|---|
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the /users/roles.

"roleCategory" represents one of the possible values; ACCOUNT, ACCOUNT_ADMIN.

Example:

curl –location –request GET 'https://{baseURL}/api/{version}/users/roles/find-by-category/ACCOUNT' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'ContentType: application/json'`--header `'Account-Context-Id: <ACCOUNT_ID>'`

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" <br> This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

# 3.13 Create Role API

**Description:**

This API can be used to create a role.

| API Interface | Create Role | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/roles/{realmId}/role | |
| Request | Method: POST, Content type: application/json | |
| | Path variables | realmId=<tenant-code/realm-id> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "name": "string",<br>  "description": "string",<br>  "roleCategory": "<ACCOUNT>",<br>  "accountId": "long"<br>  "permissionScope": [<br>    {<br>      "scopeType": "acc-mgmt",<br>      "permissions": [<br>        {<br>          "permissionGrantedFor": "string",<br>          "requestPath": "string",<br>          "serviceCategory": "string",<br>          "serviceMasterId": "Long",<br>          "antPathPattern": "string",<br>          "permissionScopes": ["READ", "WRITE", "DELETE"]<br>        }<br>      ]<br>    }<br>  ]<br>}<br>**Note:** All fields are mandatory |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | "roleId<string>" |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

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| API Interface | Create Role | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/users/roles**.<br><br>"roleCategory" represents one of the possible values: ACCOUNT. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

## 3.14 Update Role API

**Description:**

This API can be used to update a role.

| API Interface | Update Role | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/roles/{realmId}/role | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "name": "string",<br>  "description": "string",<br>  "roleCategory": "<ACCOUNT>",<br>  "accountId": "long"<br>}<br>**Note:** All fields are mandatory. |
| Response | Content Type | application/json |

| API Interface | Update Role | |
|---|---|---|
| HTTP Status | 200 - OK | "roleId<string>" |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a PUT request to the **/users/roles**.<br><br>"roleCategory" represents one of the possible values; ACCOUNT. | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API"<br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

# 3.15 Fetch Service-Permission API

**Description:**

This API can be used to fetch service permission.

| API Interface | Fetch Service-Permission | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/users/service-permissions?roleCategory={roleCategory} | |
| Request | Method: GET, Content type: application/json | |
| | Query Parameters | RoleCategory must be ACCOUNT |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "id": "long",<br>  "name": "string",<br>  "active": "boolean",<br>   "description": "string",<br>   "serviceProfileMap": [{<br>   "serviceMasterId": "long",<br>   "active": "true",<br>   "name": "string",<br>   "serviceCategory": "string",<br>   "requestPath": "string",<br>   "recordType": "string",<br>   "seqNo": "integer",<br>   "antPathPattern": "string"<br>  }]<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a GET request to the **/users/service-permissions**. | | |
| Example: | | |

| API Interface | Fetch Service-Permission |
|---|---|
| curl –location –request GET '`https://{baseURL}/api/{version}/users/service-permissions`' --header `'Authorization: Bearer <JWT-TOKEN>`' --header '`Content-Type: application/json`' <br><br>--header `'Account-Context-Id: *`' | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" <br><br>This parameter is used in HTTP header of the request. |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request. |

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## 3.16
## Get User Details

**Description:**

This API can be used to get User Details.

| API Interface | Get User Details | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/users/users/{realmId}/user/{userId} | |
| Request | Method: GET | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>`' <br><br>`'Account-Context-Id: <ACCOUNT_ID>`' |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { <br>  "id": "", <br>  "createdTimestamp": "", // Long <br>  "username": "", <br>  "firstName": "", <br>  "lastName": "", <br>  "email": "", <br>  "emailVerified": "true/false", |

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| API Interface | Get User Details | |
|---|---|---|
| | "enabled": "true/false",<br>"userCategory": "ACCOUNT",<br>"accountName": "",<br>"defaultLanguage": "English"<br><br>} | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 3.17
## Get All User Details

**Description:**

This API can be used to get All User Details.

| API Interface | Get All User Details | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/users/users/{realmId}/user | |
| Request | Method: GET | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [{<br>  "id": "",<br>  "createdTimestamp": "", // Long<br>  "username": "",<br>  "firstName": "",<br>  "lastName": "",<br>  "email": "",<br>  "emailVerified": "true/false",<br>  "enabled": "true/false",<br>  "userCategory": "ACCOUNT",<br>  "accountName": "", |

| API Interface | Get All User Details | |
|---|---|---|
| | | "defaultLanguage": "English"<br>}] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 3.18
## Create User API

**Description:**

This API can be used to create a user.

| API Interface | Create User | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/users/users/{realmId}/user | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Body | {<br>  "username": "",<br>  "firstName": "",<br>  "lastName": "",<br>  "email": "",<br>  "emailVerified": "true/false",<br>  "enabled": "true/false",<br>  "userCategory": "ACCOUNT",<br>  "userGroupId": "",<br>  "defaultLanguage": "English"<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "id": "", |

| API Interface | Create User | |
|---|---|---|
| | | "createdTimestamp": "", // Long<br>"username": "",<br>"firstName": "",<br>"lastName": "",<br>"email": "",<br>"emailVerified": "true/false",<br>"enabled": "true/false",<br>"userCategory": "ACCOUNT",<br>"accountName": "",<br>"defaultLanguage": "English"<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 3.19
## Edit User Details

**Description:**

This API can be used to update user details.

| API Interface | Edit User Details | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/users/users/{realmId}/user/{userId} | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "username": "",<br>  "firstName": "",<br>  "lastName": "",<br>  "email": "",<br>  "emailVerified": "true/false",<br>  "enabled": "true/false", |

| API Interface | Edit User Details | |
|---|---|---|
| | | "userCategory": "ACCOUNT",<br>"userGroupId": "",<br>"defaultLanguage": "English"<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>"id": "",<br>"createdTimestamp": "", // Long<br>"username": "",<br>"firstName": "",<br>"lastName": "",<br>"email": "",<br>"emailVerified": "true/false",<br>"enabled": "true/false",<br>"userCategory": "ACCOUNT",<br>"accountName": "",<br>"defaultLanguage": "English"<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 3.20 Reset User Password

**Description:**

This API can be used to reset user password.

| API Interface | Reset User Password | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/users/users/{realmId}/user/{userId}/reset-password | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |

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| API Interface | Reset User Password | |
|---|---|---|
| body | { <br>    "password": "base64String", <br>    "temporary": false, <br><br> } | |
| **Response** | **Content Type** | application/json |
| HTTP Status | 200 - OK | { <br><br>  "userId": "c74180f3-0042-4844-bf61-782e2ee8ef8b", <br><br>  "timestamp": "2023-02-08T03:37:58.371707100Z" <br><br> } <br><br><br> Data Types <br> String userId; <br> String timestamp; //utc date in iso-8601 |
| | 400 - Bad Request | The request was unacceptable, often due to missing a required parameter. |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 3.21 Delete User

**Description:**

This API can be used to delete a user.

| API Interface | Delete User |
|---|---|
| URL | https://{baseURL}/api/{Version}/users/users/{realmId}/user/{userId}/delete-user |
| Request | Method: DELETE, Content type: application/json |

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| API Interface | Delete User | |
|---|---|---|
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "userId": "c74180f3-0042-4844-bf61-782e2ee8ef8b",<br>  "status": "success"<br>}<br><br>Data Types<br>String userId;<br>String status; // success or failed<br>String reason; // in case of failure |
| | 204 No Content | Cannot use existing API, as Jasper API require response. |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 4

## Account Management

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# 4 Account Management API

The WING Digital Hub platform has an account hierarchy feature to manage the IoT services used by the user according to the business requirement.

This account hierarchy not only provides functionality to govern enterprise customers, but also supports in onboarding the new enterprises.

The following section specifies the API for account management. The root URL resource for all account management functions is:

https://{baseURL}/api/{version}/accounts/

{baseURL} example: wdh-sitstg2.nokiawing.com

{version} example: v1

All other sub-resources help you manage functions such as account creation, modification, and querying.

## 4.1 Account Query API

**Description:**

This API can be used to fetch accounts based on a filter criteria. The filter criteria can be used with any parameters specified in the Parameters table of this section.

| API Interface | Fetch Accounts | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | name.equals=<account name> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>  {<br>    "extId": "string",<br>    "id": 0, |

| API Interface | Fetch Accounts | |
|---|---|---|
| | | "name": "string", |
| | | "accountType": "INDIVIDUAL", |
| | | "accountState": "DRAFT", |
| | | "billingAccountId": 0, |
| | | "parentAccountId": 0, |
| | | "address": { |
| | | "accountMasterId": 0, |
| | | "addressLine1": "string", |
| | | "addressLine2": "string", |
| | | "city": "string", |
| | | "country": "string", |
| | | "extId": "string", |
| | | "id": 0, |
| | | "isDefault": true, |
| | | "postcode": "string", |
| | | "state": "string", |
| | | }, |
| | | "contact": { |
| | | "accountMasterId": 0, |
| | | "email": "string", |
| | | "extId": "string", |
| | | "firstName": "string", |
| | | "id": 0, |
| | | "isDefault": true, |
| | | "lastName": "string", |
| | | "phone": "string", |
| | | }, |
| | | "custFields": { |
| | | "additionalProp1": "string", |
| | | "additionalProp2": "string", |
| | | "additionalProp3": "string" |
| | | } |
| | | } |
| | | ] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Fetch Accounts | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the */account*. |
| Query Account API is generic API and WING Digital Hub provides multiple combinations of query parameters to search the results. |

| Example: |
|---|
| curl –location –request GET 'https://{baseURL}/api/{version}/accounts/account?name.equals=<account name>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header 'Content-Type: application/json' --header `'Account-Context-Id: <ACCOUNT_ID>'` |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| Authorization: Bearer | 1024 – 4096 character string | Mandatory | The value is obtained as token by using the "Authentication API" <br><br> This parameter is used in HTTP header of the request |
| Content-Type | Fixed character value "Content-Type" | Mandatory | This parameter is used in HTTP header of the request |

## 4.2 Create Billing Profile for Account API

**Description:**

This API can be used to create billing profile, which can be used to create a new account.

| API Interface | Account Billing Profile |
|---|---|
| URL | https://{baseURL}/api/{version}/rating/account-billing-profiles |
| Request | Method: POST, Content type: application/json |

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| API Interface | Account Billing Profile | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "billcycleId": 1155,<br>    "currencyId": 1005,<br>    "creditLimit": 0,<br>    "billaddressId": 1401,<br>    "id": null,<br>    "ratingType": "PRORATED \| RETROACTIVE",<br>    "mrcChargeType": "IN ADVANCE \| IN ARREAR",<br>    "mrcRatingType": "FULL \| PRORATED",<br>    "tenantId": 1<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>    "id": 105080,<br>    "tenantId": "1",<br>    "mrcChargeType": "IN ADVANCE \| IN ARREAR ",<br>    "ratingType": "PRORATED \| RETROACTIVE ",<br>    "creditLimit": 0,<br>    "mrcRatingType": "FULL \| PRORATED ",<br>    "billcycleId": 1155,<br>    "billaddressId": 1401,<br>    "currencyId": 1005<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.3 Account Creation API

**Description:**

This API can be used to create a new account. The account can be a parent account in the account hierarchy or can be a child of an existing account.

| API Interface | Create Account |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account |
| Request | Method: POST, Content type: application/json |
| | body |

```
{
        "id": null,
        "accountState": "DRAFT",
        "accountType": "ENTERPRISE | RESELLER",
        "address": {
                "accountMasterId": null,
                "addressLine1": "string",
                "addressLine2": "string",
                "city": "string",
                "country": "string",
                "extId": "",
                "id": null,
                "isDefault": true,
                "postcode": "string",
                "state": "string",
                "tenantId": null
        },
        "contact": {
                "accountMasterId": null,
                "email": "string",
                "firstName": "string",
                "id": null,
                "isDefault": null,
                "lastName": "string",
                "phone": "string",
                "tenantId": null
        },
        "parentAccountId": 0,
        "name": " Demo create account1",
        "tenantId": "21",
```

| API Interface | Create Account | |
|---|---|---|
| | | "billingAccountId": 49506<br><br>} |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>    "id": 4376,<br>    "extId": null,<br>    "name": "Demo create account1",<br>    "accountType": "ENTERPRISE \| RESELLER",<br>    "accountState": "DRAFT",<br>    "billingAccountId": 49506,<br>    "custFields": {},<br>    "parentAccountId": null,<br>    "customFields": [{<br>        "id": 1409,<br>        "value": " "<br>    }, {<br>        "id": 1505,<br>        "value": " "<br>    }, {<br>        "id": 2301,<br>        "value": " "<br>    }, {<br>        "id": 2302,<br>        "value": " "<br>    }],<br>    "address": {<br>        "id": 4364,<br>        "extId": null,<br>        "addressLine1": "string",<br>        "addressLine2": "string",<br>        "state": "string",<br>        "city": "string",<br>        "postcode": "string",<br>        "country": "string",<br>        "isDefault": true,<br>        "accountMasterId": 4376 |

| API Interface | Create Account | |
|---|---|---|
| | ```json        },         "contact": {                 "id": 4360,                 "extId": null,                 "firstName": "string",                 "lastName": "string",                 "email": "string",                 "phone": "string",                 "isDefault": true,                 "accountMasterId": 4376         } } ``` | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a POST request to the **/account**. Replace body with your information. |

| Example: |
|---|
| curl –location –request POST 'https://{baseURL}/api/{version}/accounts/account' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'{{"extId":"EXT22","name":"NTT_capacity 2","accountType":"ENTERPRISE","accountState":"DRAFT","billingAccountId": integer,"custFields":{"prop2":"value2","prop1":"value1","prop3":"value3"},"parentAccount Id":null,"address":{"extId":"string","addressLine1":"string","addressLine2":"string","st ate":"string","city":"string","postcode":"string","country":"string","isDefault":true,"a ccountMasterId":0},"contact":{"extId":"string","firstName":"string","lastName":"string", "email":"string","phone":"<phone-number>","isDefault":true,"accountMasterId":0}}'` |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| accountType | String | Mandatory | One of the values - {ENTERPRISE | RESELLER} |

| Parameter | Type | Requirement | Description |
|-----------|------|-------------|-------------|
| accountState | String | Mandatory | {DRAFT \| ACTIVE \| SUSPEND \| RETIRED} |
| name | String | Mandatory | Name of the account |
| parentAccountId | Number | Optional | Id of the parent account used while creating the sub-account |
| address | Object | Optional | Address details |
| contact | Object | Optional | Contact details |
| custFields | Object | Optional | Custom fields as key value pairs in JSON format |
| billingAccountId | Integer | Mandatory | Use the same billing account ID which is used to create the account (See Section 3.2) |

## 4.4 Custom Fields for Accounts API

### 4.4.1 Create Custom Fields for Accounts

**Description:**

This API can be used to create custom fields for accounts.

| API Interface | Create Custom Fields for Accounts | |
|---------------|-----------------------------------|---|
| URL | https://{baseURL}/api/{version}/accounts/accounts/customfield | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { <br> "name": "Test custom field1", <br> "description": "Create test custom field", <br> "type": "Text/Number/Date/Time/Time Stamp/(True/False)/Enumeration", <br> "isPropagated": true/false <br> } |
| Response | Content Type | application/json |

| API Interface | Create Custom Fields for Accounts | |
|---|---|---|
| HTTP Status | 201 - Created | {<br><br>        "id": 1554,<br><br>        "name": "Test custom field1",<br><br>        "type": "Text/Number/Time/TimeStamp/(True/False)/Enumeration)",<br><br>        "tenantId": "21",<br><br>        "description": "Create test custom field",<br><br>        "isPropagated": true/false,<br><br>        "accountId": "3977",<br><br>        "userId": "1bc17bfa-ad94-47ef-b750-259ca369161c",<br><br>        "creationTimestamp": "2022-05-04T13:03:23",<br><br>        "modificationTimestamp": "2022-05-04T13:03:23"<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.4.2   Edit Custom Fields for Accounts

**Description:**

This API can be used to edit custom fields for accounts.

| API Interface | Edit Custom Fields for Accounts | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/accounts/customfield | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Edit Custom Fields for Accounts | |
|---|---|---|
| body | { | |
| | "name": "Test custom field 2", | |
| | "description": "Update of Custom Field", | |
| | "type": Text/Number/Time/TimeStamp/(True/False)/Enumeration)", | |
| | "isPropagated": true/false, | |
| | "id": 1554 | |
| | } | |
| **Response** | **Content Type** | application/json |
| HTTP Status | 200 - OK | { |
| | | "id": 1554, |
| | | "name": "Test custom field 2", |
| | | "type": "Text/Number/Time/TimeStamp/(True/False)/Enumeration)", |
| | | "tenantId": "21", |
| | | "description": "Update of Custom Field", |
| | | "isPropagated": true/false, |
| | | "accountId": "3977", |
| | | "userId": "1bc17bfa-ad94-47ef-b750-259ca369161c", |
| | | "creationTimestamp": "2022-05-04T13:03:23", |
| | | "modificationTimestamp": "2022-05-04T13:03:23" |
| | | } |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

### 4.4.3 Delete Custom Fields for Accounts

**Description:**

This API can be used to delete custom fields for accounts.

| API Interface | Delete Custom Fields for Accounts | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/accounts/customfield/{customFieldId} | |
| Request | Method: DELETE, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | Deleted custom field successfully. |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.4.4  Update Custom Fields for Accounts

**Description:**

This API can be used to update custom fields for accounts.

| API Interface | Update Custom Fields for Accounts | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/accounts/customfield/updateAccountCustomField/{customFieldId} | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "id": 1551,<br>    "name": "Update custom filed",<br>    "type": "Text/Number/Time/TimeStamp/(True/False)/Enumeration)",<br>    "value": ""<br>} |
| Response | Content Type | application/json |

| API Interface | Update Custom Fields for Accounts | |
|---|---|---|
| HTTP Status | 200 - OK | Custom Field Updated Successfully |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.5 Account Update API

**Description:**

This API can be used to modify the details of an account. Except for account ID, all other fields can be updated using the API.

| API Interface | Update Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Update Account |
|---|---|
| body | {<br>  "accountState": "{DRAFT \| ACTIVE \| SUSPEND \| RETIRED}",<br>  "accountType": "INDIVIDUAL \| ENTERPRISE \| RESELLER",<br>  "billingAccountId": 0,<br>  "customFields": [{<br>          "id": 4958,<br>          "value": " "<br>      }, {<br>          "id": 5015,<br>          "value": " "<br>      }, {<br>          "id": 5101,<br>          "value": " "<br>      }, {<br>          "id": 5060,<br>          "value": " "<br>      }],<br>  "extId": "string",<br>  "id": {accountId for modification},<br>  "name": "string",<br>  "parentAccountId": 0<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "accountState": "DRAFT",<br>  "accountType": "INDIVIDUAL",<br>  "billingAccountId": 0,<br>  "customFields": [{<br>          "id": 4958,<br>          "value": " "<br>      }, {<br>          "id": 5015,<br>          "value": " "<br>      }, {<br>          "id": 5101,<br>          "value": " "<br>      }, {<br>          "id": 5060, |

| API Interface | Update Account | |
|---|---|---|
| | | "value": " " <br> }], <br> "extId": "string", <br> "id": 0, <br> "name": "string", <br> "parentAccountId": 0 <br> } |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes: <br> Send a PUT request to the */account*. Replace body with your information. | | |

## 4.5.1 Update Address API

### Description:

This API can be used to update the address details of an account.

| API Interface | Update Address of an Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/{accountId}/addresses | |
| Request | Method: PATCH, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br> `'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Update Address of an Account |
|---|---|

| | body | {<br><br>    "id": integer,<br><br>    "addressLine1": "string",<br><br>    "addressLine2": "string",<br><br>    "state": "string",<br><br>    "city": "string",<br><br>    "postcode": "string",<br><br>    "country": "string",<br><br>    "isDefault": boolean,<br><br>} |
|---|---|---|
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br><br>  "id": integer,<br><br>  "extId": "string",<br><br>  "addressLine1": "string",<br><br>  "addressLine2": "string",<br><br>  "state": "string",<br><br>  "city": "string",<br><br>  "postcode": "string",<br><br>  "country": "string",<br><br>  "isDefault": boolean,<br><br>  "accountMasterId": integer<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a PATCH request to the **/account.** Replace body with your information. | | |

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| API Interface | Update Address of an Account |
|---|---|
| Example:<br><br>curl –location –request PUT '<u>https://{baseURL}/api/{version}/accounts/account/{accountId}/addresses'</u> --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'{"id": integer,"extId":` "string","addressLine1": "string","addressLine2": "string","state": "string","city": "string","postcode": "string","country": "string","isDefault": boolean, `"accountMasterId": integer}'` | |

## 4.5.2  Update Contact API

### Description:

This API can be used to update the contact details of an account.

| API Interface | Update Contact of an Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/{accountId}/contacts | |
| Request | Method: PATCH, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "id": integer,<br>    "firstName": "string",<br>    "lastName": "string",<br>    "email": "string",<br>    "phone": "string",<br>    "isDefault": boolean,<br>} |
| Response | Content Type | application/json |

| API Interface | Update Contact of an Account | |
|---|---|---|
| HTTP Status | 200 - OK | {<br><br>    "id": integer,<br><br>    "extId": "string",<br><br>    "firstName": "string",<br><br>    "lastName": "string",<br><br>    "email": "string",<br><br>    "phone": "string",<br><br>    "isDefault": boolean,<br><br>    "accountMasterId": integer<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a PATCH request to the */account.* Replace body with your information. |

| Example: |
|---|
| curl –location –request PUT '<u>https://{baseURL}/api/{version}/accounts/account/{accountId}/contacts</u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'{"id": integer,"extId": "string","firstName": "string", "lastName": "string","email": "string","phone": "string","isDefault": boolean,"accountMasterId": integer}'` |

## 4.6  Account Fetch API

**Description:**

This API can be used to access the details of a given account.

| API Interface | Account Fetch API by ID |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/{id} |

| API Interface | Account Fetch API by ID | |
|---|---|---|
| Request | Method: GET, Content type: application/json | |
| | Path variable | id = account id |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "extId": "string",<br>  "id": {id},<br>  "name": "string",<br>  "accountType": "INDIVIDUAL",<br>  "accountState": "DRAFT",<br>  "billingAccountId": 0,<br>  "parentAccountId": 0,<br>  "address": {<br>    "accountMasterId": 0,<br>    "addressLine1": "string",<br>    "addressLine2": "string",<br>    "city": "string",<br>    "country": "string",<br>    "extId": "string",<br>    "id": 0,<br>    "isDefault": true,<br>    "postcode": "string",<br>    "state": "string"    },<br>  "contact": {<br>    "accountMasterId": 0,<br>    "email": "string",<br>    "extId": "string",<br>    "firstName": "string",<br>    "id": 0,<br>    "isDefault": true,<br>    "lastName": "string",<br>    "phone": "string"    },<br>  "customFields": [{<br>        "id": 4958,<br>        "value": " " |

| API Interface | Account Fetch API by ID |
|---|---|
| | ```<br>                    }, {<br>                            "id": 5015,<br>                            "value": " "<br>                    }, {<br>                            "id": 5101,<br>                            "value": " "<br>                    }, {<br>                            "id": 5060,<br>                            "value": " "<br>                    }],<br>    }<br>``` |
| | 401 - Unauthorized    No valid JWT token provided. |
| | 403 - Forbidden    User does not have permissions to perform the request. |
| | 429 - Too Many Requests    Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found    The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors    Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/account{id}**. Replace {id} with your information. |

| Example: |
|---|
| curl –location –request GET '<u>https://{baseURL}/api/{version}/accounts/account/<account-id></u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` |

## 4.7 Account Delete API

**Description:**

This API can be used to delete an account. The account can only be deleted in draft state, before assigning any resources.

| API Interface | Account Delete API |
|---|---|
| URL | https://{baseURL}/api/version/accounts/account/4906 |

| API Interface | Account Delete API | |
|---|---|---|
| Request | Method: DELETE, Content type: application/json | |
| | header | 'Authorization: Bearer <ACCESS_TOKEN>'<br>'Account-Context-Id: <ACCOUNT_ID>' |
| Response | Content Type | Text |
| HTTP Status | 204 – No Content | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.8 Assign APN to Account

**Description:**

This API can be used to assign an APN to an account.

| API Interface | Assign APN to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/assign_apn | |
| Request | Method: POST, Content type: application/json | |
| | header | 'Authorization: Bearer <ACCESS_TOKEN>'<br>'Account-Context-Id: <ACCOUNT_ID>' |
| | body | {<br>    "accountId": 3741,<br>    "tenantId": "21",<br>    "resourceType": "APN",<br>    "effectiveDate": "2022-05-02T07:39:18.058Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "apns": [1094209]<br>} |

| API Interface | Assign APN to Account | |
|---|---|---|
| Response | Content Type | Text |
| HTTP Status | 200 - OK | 43f8fc23-e211-4d98-9a25-19f0654a7f94 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.9  Read APNs Assigned to Account

**Description:**

This supporting API is used to fetch the assigned APN from the account. You can read the APNs assigned to account using this API.

| API Interface | Read APNs Assigned to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/{AccountID}/resources?resourceType.equals=APN | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

| API Interface | Read APNs Assigned to Account | |
|---|---|---|
| HTTP Status | 200 - OK | [{<br><br>        "id": 6477,<br><br>        "resourceType": "APN",<br><br>        "resourceId": 3512802,<br><br>        "effectiveDate": "2022-04-14T14:29:18.253Z",<br><br>        "expirationDate": "9999-12-31T23:59:59.999Z",<br><br>        "isDefault": false,<br><br>        "accountMasterId": 3921,<br><br>        "networkInterfaceId": 1584852<br><br>    },<br><br>    {<br><br>        "id": 6478,<br><br>        "resourceType": "APN",<br><br>        "resourceId": 3512805,<br><br>        "effectiveDate": "2022-04-14T14:29:18.253Z",<br><br>        "expirationDate": "9999-12-31T23:59:59.999Z",<br><br>        "isDefault": false,<br><br>        "accountMasterId": 3921,<br><br>        "networkInterfaceId": 1584852<br><br>    }<br><br>] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 4.10 Assign Network Profile to Account

**Description:**

This API can be used to assign a network profile to an account.

| API Interface | Assign Network Profile to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/assign_networkprofile | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "accountId": 3992,<br>    "tenantId": "21",<br>    "resourceType": "SERVICE-PROFILE",<br>    "effectiveDate": "2022-05-02T10:44:39.369Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "serviceProfiles": [1088907]<br>} |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | 82837b0b-e339-40a7-bbd6-4965fffbde20 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.11 Set Default Network Profile to Account

**Description:**

After assigning network profile to an account, use this API to make the profile as default so that same profile can be picked while assigning subscriber to account.

| API Interface | Set Default Network Profile to Account |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/{AccountID}/resources |
| Request | Method: PATCH, Content type: application/json |

| API Interface | Set Default Network Profile to Account | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "id": 7127,<br>    "resourceId": 1088907,<br>    "resourceType": "SERVICE-PROFILE",<br>    "effectiveDate": "2022-05-02T10:44:39.369Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "isDefault": true<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>    "id": 7127,<br>    "resourceType": "SERVICE-PROFILE",<br>    "resourceId": 1088907,<br>    "effectiveDate": "2022-05-02T10:44:39.369Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "isDefault": true,<br>    "accountMasterId": 3992,<br>    "networkInterfaceId": null<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.12 Read Network Profiles Assigned to Account

**Description:**

This supporting API is used to fetch the assigned network profile from the account. You can read the network profiles assigned to account using this API.

| API Interface | Read Network Profiles Assigned to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/3921/resources?resourceType.equals=SERVICE-PROFILE | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [{<br>    "id": 6490,<br>    "resourceType": "SERVICE-PROFILE",<br>    "resourceId": 3552104,<br>    "effectiveDate": "2022-04-14T14:55:02.854Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "isDefault": false,<br>    "accountMasterId": 3921,<br>    "networkInterfaceId": null<br>},<br>{<br>    "id": 6491,<br>    "resourceType": "SERVICE-PROFILE",<br>    "resourceId": 3551304,<br>    "effectiveDate": "2022-04-14T14:55:02.854Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "isDefault": false,<br>    "accountMasterId": 3921,<br>    "networkInterfaceId": null<br>}<br>] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Read Network Profiles Assigned to Account | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.13 Assign Rate Plan to Account

**Description:**

This API can be used to assign a rate plan to an account.

| API Interface | Assign Rate Plan to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/3741/resources | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "id": null,<br>    "resourceType": "RATE-PLAN",<br>    "accountMasterId": 3741,<br>    "resourceId": 20855,<br>    "effectiveDate": "2022-05-02T09:50:11.424Z",<br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br>    "isDefault": false<br>} |
| Response | Content Type | application/json |

| API Interface | Assign Rate Plan to Account | |
|---|---|---|
| HTTP Status | 200 - OK | {<br><br>    "id": 7124,<br><br>    "resourceType": "RATE-PLAN",<br><br>    "resourceId": 20855,<br><br>    "effectiveDate": "2022-05-02T09:50:11.424Z",<br><br>    "expirationDate": "9999-12-31T23:59:59.999Z",<br><br>    "isDefault": false,<br><br>    "accountMasterId": 3741,<br><br>    "networkInterfaceId": null<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.14 Set Default Rate Plan to Account

**Description:**

After assigning rate plan to an account, use this API to make the profile as default so that same profile can be picked while assigning subscriber to account.

| API Interface | Set Default Rate Plan to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/3741/resources | |
| Request | Method: PATCH, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |

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| API Interface | Set Default Rate Plan to Account | |
|---|---|---|
| | body | { |
| | |     "id": 7123, |
| | |     "resourceId": 17893, |
| | |     "resourceType": "RATE-PLAN", |
| | |     "effectiveDate": "2022-05-02T08:57:17.049Z", |
| | |     "expirationDate": "9999-12-31T23:59:59.999Z", |
| | |     "isDefault": false |
| | | } |
| **Response** | **Content Type** | application/json |
| HTTP Status | 200 - OK | { |
| | |     "id": 7123, |
| | |     "resourceType": "RATE-PLAN", |
| | |     "resourceId": 17893, |
| | |     "effectiveDate": "2022-05-02T08:57:17.049Z", |
| | |     "expirationDate": "9999-12-31T23:59:59.999Z", |
| | |     "isDefault": false, |
| | |     "accountMasterId": 3741, |
| | |     "networkInterfaceId": null |
| | | } |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 4.15 Read Rate Plans Assigned to Account

**Description:**

This supporting API is used to fetch the assigned rate plan from the account. You can read the rate plans assigned to account using this API.

| API Interface | Read Rate Plans Assigned to Account |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/3921/resources?resourceType.equals=RATE-PLAN |
| Request | Method: GET, Content type: application/json |

| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
|---|---|---|
| Response | Content Type | application/json |

| HTTP Status | 200 - OK | [{ <br>     "id": 7090, <br>     "resourceType": "RATE-PLAN", <br>     "resourceId": 3313, <br>     "effectiveDate": "2022-04-29T14:58:00.337Z", <br>     "expirationDate": "9999-12-31T23:59:59.999Z", <br>     "isDefault": false, <br>     "accountMasterId": 3921, <br>     "networkInterfaceId": null <br> }, <br> { <br>     "id": 6493, <br>     "resourceType": "RATE-PLAN", <br>     "resourceId": 18304, <br>     "effectiveDate": "2022-04-14T15:19:50.717Z", <br>     "expirationDate": "9999-12-31T23:59:59.999Z", <br>     "isDefault": false, <br>     "accountMasterId": 3921, <br>     "networkInterfaceId": null <br> } <br> ] |
|---|---|---|
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.16 Assign Roaming Profile to Account

**Description:**

This API can be used to assign a roaming profile to an account.

| API Interface | Assign Roaming Profile to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/assign_roamingprofile | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>        "accountId": 3992,<br>        "resourceType": "ROAMING-PROFILE",<br>        "effectiveDate": "2022-05-02T10:36:44.101Z",<br>        "expirationDate": "9999-12-31T23:59:59.999Z",<br>        "roamingProfiles": [1089201]<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | 34d37a7a-a01e-401c-89ca-25954123c63b |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.17 Set Default Roaming Profile to Account

**Description:**

After assigning roaming profile to an account, use this API to make the profile as default so that same profile can be picked while assigning subscriber to account.

| API Interface | Set Default Roaming Profile to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/3992/resources | |
| Request | Method: PATCH, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>　　　　"id": 7126,<br>　　　　"resourceId": 1089201,<br>　　　　"resourceType": "ROAMING-PROFILE",<br>　　　　"effectiveDate": "2022-05-02T10:36:44.101Z",<br>　　　　"expirationDate": "9999-12-31T23:59:59.999Z",<br>　　　　"networkInterfaceId": 1584852,<br>　　　　"isDefault": true<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>　　　　"id": 7126,<br>　　　　"resourceType": "ROAMING-PROFILE",<br>　　　　"resourceId": 1089201,<br>　　　　"effectiveDate": "2022-05-02T10:36:44.101Z",<br>　　　　"expirationDate": "9999-12-31T23:59:59.999Z",<br>　　　　"isDefault": true,<br>　　　　"accountMasterId": 3992,<br>　　　　"networkInterfaceId": 1584852<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 4.18 Read Roaming Profiles Assigned to Account

**Description:**

This supporting API is used to fetch the assigned roaming profiles from the account. You can read the roaming profiles assigned to account using this API.

| API Interface | Read Roaming Profiles Assigned to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/account/3921/resources?resourceType.equals=ROAMING-PROFILE | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | ```[``` <br> ```  {``` <br> ```    "id": 6499,``` <br> ```    "resourceType": "ROAMING-PROFILE",``` <br> ```    "resourceId": 1087253,``` <br> ```    "effectiveDate": "2022-04-14T15:21:14.551Z",``` <br> ```    "expirationDate": "9999-12-31T23:59:59.999Z",``` <br> ```    "isDefault": false,``` <br> ```    "accountMasterId": 3921,``` <br> ```    "networkInterfaceId": null``` <br> ```  },``` <br> ```  {``` <br> ```    "id": 6500,``` <br> ```    "resourceType": "ROAMING-PROFILE",``` <br> ```    "resourceId": 1091802,``` <br> ```    "effectiveDate": "2022-04-14T15:21:14.551Z",``` <br> ```    "expirationDate": "9999-12-31T23:59:59.999Z",``` <br> ```    "isDefault": true,``` <br> ```    "accountMasterId": 3921,``` <br> ```    "networkInterfaceId": 1584852``` <br> ```  }``` <br> ```]``` |
| | 401 - Unauthorized | No valid JWT token provided. |

| API Interface | Read Roaming Profiles Assigned to Account | |
|---|---|---|
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 4.19 Assign APN Group to Account

**Description:**

This API can be used to assign an APN group to an account.

| API Interface | Assign APN Group to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/3741/apnGroup | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "default": false,<br>    "apnGroupName": "overlay3",<br>    "apnIds": [7115]<br>} |
| Response | Content Type | application/json |

| API Interface | Assign APN Group to Account | |
|---|---|---|
| HTTP Status | 201 - OK | [{<br><br>    "apnGroupId": 1671,<br><br>    "apnId": 7115,<br><br>    "apnGroupMappingId": 1553,<br><br>    "apnGroupName": "overlay2",<br><br>    "accountId": 3723,<br><br>    "effectiveDate": "2022-06-08T09:27:10.853825000",<br><br>    "expirationDate": null,<br><br>    "default": false<br><br>}] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.20 Set Default APN Group to Account

**Description:**

After assigning APN group to an account, use this API to make the profile as default so that same profile can be picked while assigning subscriber to account.

| API Interface | Set Default APN Group to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/3793/apnGroup | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |

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| API Interface | Set Default APN Group to Account | |
|---|---|---|
| | body | {<br><br>        "id": 1673,<br><br>        "apnGroupName": "OVERLAY2",<br><br>        "default": true<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br><br>        "id": 1673,<br><br>        "apnGroupName": "OVERLAY2",<br><br>        "accountId": 3793,<br><br>        "apnIds": [6130],<br><br>        "networkInterfaceId": 1584901,<br><br>        "default": true<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.21 Read APN Groups Assigned to Account

**Description:**

This supporting API is used to fetch the assigned APN groups from the account. You can read the APN groups assigned to account using this API.

| API Interface | Read APN Groups Assigned to Account |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/3418/apnGroup |
| Request | Method: GET, Content type: application/json |

| API Interface | Read APN Groups Assigned to Account | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [{<br>       "id": 1385,<br>       "apnGroupName": "OVERLAY",<br>       "accountId": 3418,<br>       "apnIds": [5091],<br>       "networkInterfaceId": null,<br>       "default": false<br>}, {<br>       "id": 1348,<br>       "apnGroupName": "oVERLAY",<br>       "accountId": 3418,<br>       "apnIds": [5091],<br>       "networkInterfaceId": null,<br>       "default": false<br>}] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.22  Fetch Account APN Group

**Description:**

This API can be used to access the details of APN group for an account.

| API Interface | Fetch Account APN Group |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/{id}/apnGroup |

| API Interface | Fetch Account APN Group | |
|---|---|---|
| Request | Method: GET, Content type: application/json | |
| | Path variable | id = account id |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `[`<br>  `{`<br>    `"id": 112,`<br>    `"apnGroupName": "APN_Group_2",`<br>    `"accountId": 78,`<br>    `"apnIds": [`<br>      `154,`<br>      `156`<br>    `],`<br>    `"default": false`<br>  `},`<br>  `{`<br>    `"id": 111,`<br>    `"apnGroupName": "APN_Group_1",`<br>    `"accountId": 78,`<br>    `"apnIds": [`<br>      `155`<br>    `],`<br>    `"default": true`<br>  `}`<br>`]` |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| API Interface | Fetch Account APN Group |
|---|---|
| Notes:<br><br>Send a GET request to the **/address/{id}/apnGroup**. Replace {id} with your information. | |
| Example:<br><br>curl –location –request GET '<u>https://{baseURL}/api/{version}/accounts/address/<account-id>/apnGroup</u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` | |

# 4.23 Create APN Group

**Description:**

This API can be used to create an APN group for an account.

| API Interface | Create APN Group | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/{id}/apnGroup | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "default": true,<br>  "apnGroupName": "string",<br>  "apnIds": [<br>    1, 3, 4<br>  ]<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>  {<br>    "accountId": 0,<br>    "apnGroupId": 0,<br>    "apnGroupMappingId": 0,<br>    "apnGroupName": "string",<br>    "apnId": 0,<br>    "default": true, |

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| API Interface | Create APN Group | |
|---|---|---|
| | | "effectiveDate": "2021-04-09T04:09:40.637Z", <br> "expirationDate": "2021-04-09T04:09:40.637Z" <br> } <br> ] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes: <br> Send a POST request to the **/address/{id}/apnGroup**. Replace {id} with your information. | | |
| Example: <br> curl –location –request POST 'https://{baseURL}/api/{version}/accounts/address/<account-id>/apnGroup' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'<Your data is in json format>'` | | |

## 4.24 Update APN Group

**Description:**

This API can be used to update an APN group for an account.

| API Interface | Update APN Group |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/{id}/apnGroup |
| Request | Method: PUT, Content type: application/json |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br> `'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Update APN Group | |
|---|---|---|
| body | { |
| |   "id": [ID of the group to be updated] |
| |   "default": true, |
| |   "apnGroupName": "string", |
| |   } |

| Response | Content Type | application/json |
|---|---|---|

| HTTP Status | 200 - OK | [<br>  {<br>    "accountId": 0,<br>    "apnGroupId": 0,<br>    "apnGroupMappingId": 0,<br>    "apnGroupName": "string",<br>    "apnId": 0,<br>    "default": true,<br>    "effectiveDate": "2021-04-09T04:09:40.637Z",<br>    "expirationDate": "2021-04-09T04:09:40.637Z"<br>  }<br>] |
|---|---|---|
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a PUT request to the **/address/{id}/apnGroup**. Replace {id} with your account information. |

| Example: |
|---|
| curl –location –request PUT 'https://{baseURL}/api/{version}/accounts/address/<account-id>/apnGroup' --header 'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id: <ACCOUNT_ID>' --data-raw '<Your data is in json format>' |

## 4.25 Update APN Details for a Group

**Description:**

This API can be used to update an APN group by adding and removing APN IDs.

| API Interface | Update APN Details for a Group | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/address/{id}/apnGroup/{apnGroupId} | |
| Request | Method: PATCH, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "addAPN": [<br>    0<br>  ],<br>  "removeAPN": [<br>    0<br>  ]<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>  {<br>    "accountId": 0,<br>    "apnGroupId": 0,<br>    "apnGroupMappingId": 0,<br>    "apnGroupName": "string",<br>    "apnId": 0,<br>    "default": true,<br>    "effectiveDate": "2021-04-09T04:09:40.637Z",<br>    "expirationDate": "2021-04-09T04:09:40.637Z"<br>  }<br>] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Update APN Details for a Group | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a PATCH request to the **/address/{id}/apnGroup/{apnGroupId}**. Replace {id} with your account information and {apnGroupId} with account group. |

| Example: |
|---|
| curl –location –request PATCH '<u>https://{baseURL}/api/{version}/accounts/address/<account-id>/apnGroup/{apnGroupId}</u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'<Your data is in json format>'` |

## 4.26 Fetch APN Resource ID

### Description:

This API can be used to access the details of APN Resource ID for a given APN group ID.

| API Interface | Fetch APN Resource ID | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/resources/{apnid} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br> `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>   "id": 155,<br>   "resourceType": "APN",<br>   "resourceId": 70503,<br>   "effectiveDate": 1614326532.555000000,<br>   "expirationDate": 253402300799.999000000,<br>   "isDefault": false,<br>   "accountMasterId": 78<br>} |

| API Interface | Fetch APN Resource ID | |
|---|---|---|
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/resources/{apnid}**. Replace {apnid} with your APN ID information. |

| Example: |
|---|
| curl –location –request GET '<u>https://{baseURL}/api/{version}/accounts/resources/<apnId></u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` |

## 4.27  Account Resource Query API

### Description:

This API can be used to fetch resources based on an account and other filter criteria. The filter criteria can be used with any parameters specified in the Parameters table of this section.

| API Interface | Account Resource Query API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/resources | |
| Request | Method: GET, Content type: application/json | |
| | Path variables | accountMasterId.equals=<account id> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>  {<br>    "accountMasterId": 0,<br>     "effectiveDate": "2021-03-25T02:09:06.963Z", |

| API Interface | Account Resource Query API | |
|---|---|---|
| | | "expirationDate": "2021-03-25T02:09:06.963Z",<br><br>"id": 0,<br><br>"isDefault": true,<br><br>"resourceId": 0,<br><br>"resourceType": "APN"<br><br>}<br>] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/resources**.<br><br>Query Account Resource Query API is generic API and WING Digital Hub provides multiple combinations of query parameters to search the results. |

| Example: |
|---|
| curl –location –request GET<br>'https://{baseURL}/api/{version}/accounts/resources?masterAcccountId.equals=<account id>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Account-Context-Id: <ACCOUNT_ID>'` |

## 4.28  Create Account Resource API

**Description:**

This API can be used to create account resources for a given account.

| API Interface | Create Account Resource API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/resources/{accountId} | |
| Request | Method: POST, Content type: application/json | |
| | path | {accountId} |

| API Interface | Create Account Resource API | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "effectiveDate": "2021-03-25T02:17:08.572Z",<br>  "expirationDate": "2021-03-25T02:17:08.572Z",<br>  "isDefault": true,<br>  "resourceId": 0,<br>  "resourceType": "APN"<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "accountMasterId": 0,<br>  "effectiveDate": "2021-03-25T02:22:45.329Z",<br>  "expirationDate": "2021-03-25T02:22:45.329Z",<br>  "id": 0,<br>  "isDefault": true,<br>  "resourceId": 0,<br>  "resourceType": "APN"<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/resources/{accountId}**.<br><br>Query Account Resource Query API is generic API and WING Digital Hub provides multiple combinations of query parameters to search the results. | | |
| Example:<br><br>curl –location –request POST '[https://{baseURL}/api/{version}/accounts/resources/{accountId}]' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'<Your data in json format>'` | | |

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| effectiveDate | Date | Mandatory | The date from which the resource is applicable for the account |
| expirationDate | Date | Mandatory | The date until which the resource is applicable for the account |
| isDefault | Boolean | Mandatory | To make a resource default for the account |
| resourceId | Integer | Mandatory | The resource ID |
| resourceType | String | Mandatory | One of the following list: [APN | IP-POOL, RATE-PLAN | SERVICE-PROFILE | ROAMING-PROFILE | SIM] |

## 4.29 Update Account Resource API

**Description:**

This API can be used to update account resources for a given account.

| API Interface | Update Account Resource API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/resources/{accountId} | |
| Request | Method: PUT, Content type: application/json | |
| | path | {accountId} |
| | header | 'Authorization: Bearer <ACCESS_TOKEN>' 'Account-Context-Id: <ACCOUNT_ID>' |
| | body | {   "effectiveDate": "2021-03-25T02:17:08.572Z",   "expirationDate": "2021-03-25T02:17:08.572Z",   "isDefault": true,   "resourceId": 0,   "resourceType": "APN" } |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {   "accountMasterId": 0, |

| API Interface | Update Account Resource API | |
|---|---|---|
| | "effectiveDate": "2021-03-25T02:22:45.329Z",<br>"expirationDate": "2021-03-25T02:22:45.329Z",<br>"id": 0,<br>"isDefault": true,<br>"resourceId": 0,<br>"resourceType": "APN"<br>} | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a PUT request to the **/resources/{accountId}**.

Refer to the Parameters table given in the [Create Account Resource API](#) section.

Example:

curl –location –request POST '[https://{baseURL}/api/{version}/accounts/resources/{accountId}](#)' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Content-Type: application/json'` --header `'Account-Context-Id: <ACCOUNT_ID>'` --data-raw `'<Your data in json format>'`

## 4.30  Fetch Account Resource by ID

**Description:**

This API can be used to fetch resources based on a resource ID.

| API Interface | Fetch Account Resource by ID | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/resources/{id} | |
| Request | Method: GET | |
| | path | id=<Resource id> |

| API Interface | Fetch Account Resource by ID | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "accountMasterId": 0,<br>  "effectiveDate": "2021-03-25T02:42:36.279Z",<br>  "expirationDate": "2021-03-25T02:42:36.279Z",<br>  "id": 0,<br>  "isDefault": true,<br>  "resourceId": 0,<br>  "resourceType": "APN"<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/resources/{Id}**.

Example:

curl –location –request GET '[https://{baseURL}/api/{version}/accounts/resources/{id}'](https://{baseURL}/api/{version}/accounts/resources/{id}') --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Account-Context-Id: <ACCOUNT_ID>'`

## 4.31 Delete Account Resource by ID

**Description:**

This API can be used to delete resources based on a resource ID.

| API Interface | Delete Account Resource by ID |
|---|---|
| URL | https://{baseURL}/api/{version}/accounts/resources/{id} |

| API Interface | Delete Account Resource by ID | |
|---|---|---|
| Request | Method: DELETE | |
| | path | id=<Resource id> |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a DELETE request to the **/resources/{Id}**. | | |
| Example:<br><br>curl –location –request DELETE 'https://{baseURL}/api/{version}/accounts/resources/{id}' --header `'Authorization: Bearer <JWT-TOKEN>'` --header `'Account-Context-Id: <ACCOUNT_ID>'` | | |

## 4.32  Add MSISDN Pool to Account

| API Interface | Add MSISDN Pool to Account | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/accounts/assign_msisdnpool | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>        "accountId": 4406,<br>        "resourceType": "MSISDN-POOL",<br>        "effectiveDate": "2022-06-23T07:45:57.138Z", |

| API Interface | Add MSISDN Pool to Account | |
|---|---|---|
| | | "expirationDate": "9999-12-31T23:59:59.999Z", <br> "msisdnPools": [4023754] <br> } |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | 45c46ea9-4e76-4d14-9708-cd088eca1b24 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

<mark>New  APIs – FEB 13</mark>

## 4.33  Create Group

**Description:**

This API can be used to create a group under a subscription.

| API Interface | Create Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/accounts/groups | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Account-Context-Id: <ACCOUNT_ID>'` <br> `Account-Context-Id` |
| | Request Parameter | { <br> "name": "grptest12509", <br> "description": "desc12" <br> } |
| Response | Content Type | application/json |

| API Interface | Create Group | |
|---|---|---|
| HTTP Status | 200 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes: | | |

## 4.34 Update Group

**Description:**

This API can be used to update group under a subscription.

| API Interface | Update Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/accounts/groups | |
| Request | Method: PUT, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Request Parameter | {<br>"id": 5651,<br>"name": "grptest12509",<br>"description": "desc12"<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |

| API Interface | Update Group | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.35 Delete Group

**Description:**

This API can be used to delete group under a subscription.

| API Interface | Delete Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/accounts/groups/{id}/resource/{accountId} | |
| Request | Method: DELETE, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Deleted Group. |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 4.36 Get Group

**Description:**

This API can be used to fetch group.

| API Interface | Get Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/graphql | |
| Request | Method: GET Graph QL | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Request Parameter | query {<br><br>    accmgmt_tbl_groups (where: {account_master_id: {eq: "6501"}, tenant_id: {_eq: "21"}}) {<br><br>      name<br><br>      account_master_id<br><br>      id<br><br>    }<br><br>    } |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 5

## Subscription API

**NOKIA**

# 5  Subscription API

The following section specifies the API for Subscription handling. The root URL resource for all account management functions is:

https://{baseURL}/api/{version}/subscription/

{baseURL} example: wdh-sitstg2.nokiawing.com

{version} example: v1

## 5.1  Fetch SIM API

### 5.1.1  Fetch SIM by Batch

**Description:**

The endpoint gives the SIM for a given batch where "stateName" is important parameter to determine SIM lifecycle state along with tenantId, accountName, apnGroupId, serviceProfileId, networkProfileId, roamingProfileId, securityProfileId, ratePlanId, and billingProfileId.

{version} example: v1

| API Interface | Get SIM by Batch | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

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| API Interface | Get SIM by Batch | |
|---|---|---|
| HTTP Status | 200 - OK | [<br>   {<br>     "id": 1169,<br>     "tenantId": "21",<br>     "eid": null,<br>     "accountId": 3122,<br>     "accountName": "SubAcct_Retire_Test03",<br>     "iccid": "8955644500001089020",<br>     "imsi": "234500001089020",<br>     "msisdn": "882362000349020",<br>     "imsImpi": null,<br>     "pin1": 0,<br>     "pin2": 0,<br>     "puk1": "0",<br>     "puk2": "0",<br>     "version": "0",<br>     "tag": "0",<br>     "euimid": null,<br>     "batchId": 0,<br>     "formFactor": "0",<br>     "simSku": "0",<br>     "vendor": "0",<br>     "identityVendor": "0",<br>     "graphicProfile": "0",<br>     "inputProfile": "0",<br>     "apnGroupId": 1158,<br>     "serviceProfileId": 0,<br>     "networkProfileId": 1088718,<br>     "roamingProfileId": 1087253,<br>     "securityProfileId": 0,<br>     "ratePlanId": 1011,<br>     "billingProfileId": null,<br>     "customField": [],<br>     "simFreeId1": "0",<br>     "simFreeId2": "0",<br>     "simFreeId3": "0",<br>     "equipmentId": "0",<br>     "firmwareVersion": "0",<br>     "custom1": "0", |

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| API Interface | Get SIM by Batch |
|---|---|
| | "custom2": "0",<br>"custom3": "0",<br>"custom4": "0",<br>"custom5": "0",<br>"creationTimestamp": null,<br>"modificationTimestamp": null,<br>"stateId": 7,<br>"stateName": "CONDITIONAL-SUSPEND",<br>"stateModelId": 4,<br>"stateChangeLock": false,<br>"lcStateInsync": true,<br>"tenantMetaData": null,<br>"ipAddresses": [],<br>"networkInterface": null,<br>"initialActivationDate": "2021-12-01T12:41:42.540582Z",<br>"lastStateChangeDate": "2022-01-07T10:57:04.550608Z",<br>"deactivationDate": null<br>},<br>{<br>"id": 4211,<br>"tenantId": "21",<br>"eid": null,<br>"accountId": 3167,<br>"accountName": "Acc_Retire_Sub",<br>"iccid": "8955644500001089438",<br>"imsi": "234500001089438",<br>"msisdn": "882362000349438",<br>"imsImpi": null,<br>"pin1": 0,<br>"pin2": 0,<br>"puk1": "0",<br>"puk2": "0",<br>"version": "0",<br>"tag": "0",<br>"euimid": null,<br>"batchId": 0,<br>"formFactor": "0",<br>"simSku": "0",<br>"vendor": "0", |

| API Interface | Get SIM by Batch |
|---|---|
| | <div>"identityVendor": "0",<br>"graphicProfile": "0",<br>"inputProfile": "0",<br>"apnGroupId": 1207,<br>"serviceProfileId": 0,<br>"networkProfileId": 1096001,<br>"roamingProfileId": 1091802,<br>"securityProfileId": 0,<br>"ratePlanId": 1077,<br>"billingProfileId": null,<br>"customField": [],<br>"simFreeId1": "0",<br>"simFreeId2": "0",<br>"simFreeId3": "0",<br>"equipmentId": "0",<br>"firmwareVersion": "0",<br>"custom1": "0",<br>"custom2": "0",<br>"custom3": "0",<br>"custom4": "0",<br>"custom5": "0",<br>"creationTimestamp": null,<br>"modificationTimestamp": null,<br>"stateId": 8,<br>"stateName": "DEACTIVATED",<br>"stateModelId": 4,<br>"stateChangeLock": false,<br>"lcStateInsync": true,<br>"tenantMetaData": null,<br>"ipAddresses": [],<br>"networkInterface": null,<br>"initialActivationDate": "2021-12-10T11:12:18.705004Z",<br>"lastStateChangeDate": "2021-12-15T12:09:07.228957Z",<br>"deactivationDate": "2021-12-15T12:09:07.228957Z"<br>  }<br>]</div> |
| 401 - Unauthorized | Not Authenticated |
| 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Get SIM by Batch | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/sims.**

Example:

curl –location –request GET '<u>https://{baseURL}/api/{version}/subscription/sims</u>' --header **'Authorization: Bearer <JWT-TOKEN>'** --header '**Content-Type: application/json**' --header **'Account-Context-Id: <ACCOUNT_ID>'**

"stateName" is ACTIVATED/DEACTIVATED/SUSPENDED/RETIRED/CONDITIONAL-SUSPEND

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| tenantId | Number | ID of tenant |
| accountName | String | Account Name |
| apnGroupId | Number | ID of APN Group |
| serviceProfileId | Number | ID of Service Profile |
| networkProfileId | Number | ID of Network Profile |
| roamingProfileId | Number | ID of Roaming Profile |
| securityProfileId | Number | ID of Security Profile |
| ratePlanId | Number | ID of Rate Plan |
| billingProfileId | Number | ID of Billing Profile |
| stateName | String | One of the values {ACTIVATED, DEACTIVATED,SUSPENDED,RETIRED,TRAIL, CONDITIONAL-SUSPEND } |

## 5.1.2  Fetch SIM by ID

**Description:**

The endpoint gives the SIM for a given ID where "stateName" is important parameter to determine SIM lifecycle state along with tenantId, accountName, apnGroupId, serviceProfileId, networkProfileId, roamingProfileId, securityProfileId, ratePlanId, and billingProfileId.

| API Interface | Get SIM by ID | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims/1169 | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>    "id": 1169,<br>    "tenantId": "21",<br>    "eid": null,<br>    "accountId": 3122,<br>    "accountName": "SubAcct_Retire_Test03",<br>    "iccid": "8955644500001089020",<br>    "imsi": "234500001089020",<br>    "msisdn": "882362000349020",<br>    "imsImpi": null,<br>    "pin1": 0,<br>    "pin2": 0,<br>    "puk1": "0",<br>    "puk2": "0",<br>    "version": "0",<br>    "tag": "0",<br>    "euimid": null,<br>    "batchId": 0,<br>    "formFactor": "0",<br>    "simSku": "0",<br>    "vendor": "0",<br>    "identityVendor": "0",<br>    "graphicProfile": "0",<br>    "inputProfile": "0", |

| API Interface | Get SIM by ID | |
|---|---|---|
| 112 | | "apnGroupId": 1158,<br><br>"serviceProfileId": 0,<br><br>"networkProfileId": 1088718,<br><br>"roamingProfileId": 1087253,<br><br>"securityProfileId": 0,<br><br>"ratePlanId": 1011,<br><br>"billingProfileId": null,<br><br>"customField": [],<br><br>"simFreeId1": "0",<br><br>"simFreeId2": "0",<br><br>"simFreeId3": "0",<br><br>"equipmentId": "0",<br><br>"firmwareVersion": "0",<br><br>"custom1": "0",<br><br>"custom2": "0",<br><br>"custom3": "0",<br><br>"custom4": "0",<br><br>"custom5": "0",<br><br>"creationTimestamp": null,<br><br>"modificationTimestamp": null,<br><br>"stateId": 7,<br><br>"stateName": "CONDITIONAL-SUSPEND",<br><br>"stateModelId": 4,<br><br>"stateChangeLock": false,<br><br>"lcStateInsync": true,<br><br>"tenantMetaData": null,<br><br>"ipAddresses": [],<br><br>"networkInterface": null,<br><br>"initialActivationDate": "2021-12-01T12:41:42.540582Z",<br><br>"lastStateChangeDate": "2022-01-07T10:57:04.550608Z",<br><br>"deactivationDate": null<br><br>} |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Get SIM by ID | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/sims.** |

| Example: |
|---|
| curl –location –request GET '<ins>https://{baseURL}/api/{version}/subscription/sims/1169</ins>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`<br>"stateName" is ACTIVATED/DEACTIVATED/SUSPENDED/RETIRED/TRAIL/CONDITIONAL-SUSPEND |

## 5.1.3 Fetch SIM by IMSI

**Description:**

The endpoint gives the SIM for a given IMSI where "stateName" is important parameter to determine SIM lifecycle state along with tenantId, accountName, apnGroupId, serviceProfileId, networkProfileId, roamingProfileId, securityProfileId, ratePlanId, and billingProfileId.

| API Interface | Get SIM by IMSI | |
|---|---|---|
| URL | <ins>https://{baseURL}/api/{version}/subscription/sims/imsi/234500001089020</ins> | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

**NOKIA**

| API Interface | Get SIM by IMSI | |
|---|---|---|
| HTTP Status | 200 - OK | {<br>"id": 1169,<br>"tenantId": "21",<br>"eid": null,<br>"accountId": 3122,<br>"accountName": "SubAcct_Retire_Test03",<br>"iccid": "8955644500001089020",<br>"imsi": "234500001089020",<br>"msisdn": "882362000349020",<br>"imsImpi": null,<br>"pin1": 0,<br>"pin2": 0,<br>"puk1": "0",<br>"puk2": "0",<br>"version": "0",<br>"tag": "0",<br>"euimid": null,<br>"batchId": 0,<br>"formFactor": "0",<br>"simSku": "0",<br>"vendor": "0",<br>"identityVendor": "0",<br>"graphicProfile": "0",<br>"inputProfile": "0",<br>"apnGroupId": 1158,<br>"serviceProfileId": 0,<br>"networkProfileId": 1088718,<br>"roamingProfileId": 1087253,<br>"securityProfileId": 0,<br>"ratePlanId": 1011,<br>"billingProfileId": null,<br>"customField": [],<br>"simFreeId1": "0",<br>"simFreeId2": "0",<br>"simFreeId3": "0",<br>"equipmentId": "0",<br>"firmwareVersion": "0",<br>"custom1": "0",<br>"custom2": "0", |

**NOKIA**

| API Interface | Get SIM by IMSI | |
|---|---|---|
| | | "custom3": "0",<br><br>"custom4": "0",<br><br>"custom5": "0",<br><br>"creationTimestamp": null,<br><br>"modificationTimestamp": null,<br><br>"stateId": 7,<br><br>"stateName": "CONDITIONAL-SUSPEND",<br><br>"stateModelId": 4,<br><br>"stateChangeLock": false,<br><br>"lcStateInsync": true,<br><br>"tenantMetaData": null,<br><br>"ipAddresses": [],<br><br>"networkInterface": null,<br><br>"initialActivationDate": "2021-12-01T12:41:42.540582Z",<br><br>"lastStateChangeDate": "2022-01-07T10:57:04.550608Z",<br><br>"deactivationDate": null<br><br>} |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/sims.**

Example:

curl –location –request GET '<u>https://{baseURL}/api/{version}/subscription/sims/imsi/234500001089020</u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`

"stateName" is ACTIVATED/DEACTIVATED/SUSPENDED/RETIRED/TRIAL/CONDITIONAL-SUSPEND

## 5.1.4  Fetch SIM by ICCID

**Description:**

The endpoint gives the SIM for a given ICCID where "stateName" is important parameter to determine SIM lifecycle state along with tenantId, accountName, apnGroupId, serviceProfileId, networkProfileId, roamingProfileId, securityProfileId, ratePlanId, and billingProfileId.

| API Interface | Get SIM by ICCID | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims/iccid/8955644500001089020 | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { <br> "id": 1169, <br> "tenantId": "21", <br> "eid": null, <br> "accountId": 3122, <br> "accountName": "SubAcct_Retire_Test03", <br> "iccid": "8955644500001089020", <br> "imsi": "234500001089020", <br> "msisdn": "882362000349020", <br> "imsImpi": null, <br> "pin1": 0, <br> "pin2": 0, <br> "puk1": "0", <br> "puk2": "0", <br> "version": "0", <br> "tag": "0", <br> "euimid": null, <br> "batchId": 0, <br> "formFactor": "0", <br> "simSku": "0", <br> "vendor": "0", <br> "identityVendor": "0", <br> "graphicProfile": "0", <br> "inputProfile": "0", |

| API Interface | Get SIM by ICCID |
|---|---|
| | "apnGroupId": 1158,<br><br>"serviceProfileId": 0,<br><br>"networkProfileId": 1088718,<br><br>"roamingProfileId": 1087253,<br><br>"securityProfileId": 0,<br><br>"ratePlanId": 1011,<br><br>"billingProfileId": null,<br><br>"customField": [],<br><br>"simFreeId1": "0",<br><br>"simFreeId2": "0",<br><br>"simFreeId3": "0",<br><br>"equipmentId": "0",<br><br>"firmwareVersion": "0",<br><br>"custom1": "0",<br><br>"custom2": "0",<br><br>"custom3": "0",<br><br>"custom4": "0",<br><br>"custom5": "0",<br><br>"creationTimestamp": null,<br><br>"modificationTimestamp": null,<br><br>"stateId": 7,<br><br>"stateName": "CONDITIONAL-SUSPEND",<br><br>"stateModelId": 4,<br><br>"stateChangeLock": false,<br><br>"lcStateInsync": true,<br><br>"tenantMetaData": null,<br><br>"ipAddresses": [],<br><br>"networkInterface": null,<br><br>"initialActivationDate": "2021-12-01T12:41:42.540582Z",<br><br>"lastStateChangeDate": "2022-01-07T10:57:04.550608Z",<br><br>"deactivationDate": null<br><br>} |
| 401 - Unauthorized | Not Authenticated |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |

| API Interface | Get SIM by ICCID | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a GET request to the **/sims.** | | |
| Example:<br><br>curl –location –request GET '[https://{baseURL}/api/{version}/subscription/sims/iccid/8955644500001089020](https://{baseURL}/api/{version}/subscription/sims/iccid/8955644500001089020)' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`<br>"stateName" is ACTIVATED/DEACTIVATED/SUSPENDED/RETIRED/TRAIL/CONDITIONAL-SUSPEND | | |

## 5.1.5  Fetch SIM by MSISDN

**Description:**

The endpoint gives the SIM for a given MSISDN where "stateName" is important parameter to determine SIM lifecycle state along with tenantId, accountName, apnGroupId, serviceProfileId, networkProfileId, roamingProfileId, securityProfileId, ratePlanId, and billingProfileId.

| API Interface | Get SIM by MSISDN | |
|---|---|---|
| URL | [https://{baseURL}/api/{version}/subscription/sims/msisdn/882362000349020](https://{baseURL}/api/{version}/subscription/sims/msisdn/882362000349020) | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

| API Interface | Get SIM by MSISDN | |
|---|---|---|
| HTTP Status | 200 - OK | {<br>    "id": 1169,<br>    "tenantId": "21",<br>    "eid": null,<br>    "accountId": 3122,<br>    "accountName": "SubAcct_Retire_Test03",<br>    "iccid": "8955644500001089020",<br>    "imsi": "234500001089020",<br>    "msisdn": "882362000349020",<br>    "imsImpi": null,<br>    "pin1": 0,<br>    "pin2": 0,<br>    "puk1": "0",<br>    "puk2": "0",<br>    "version": "0",<br>    "tag": "0",<br>    "euimid": null,<br>    "batchId": 0,<br>    "formFactor": "0",<br>    "simSku": "0",<br>    "vendor": "0",<br>    "identityVendor": "0",<br>    "graphicProfile": "0",<br>    "inputProfile": "0",<br>    "apnGroupId": 1158,<br>    "serviceProfileId": 0,<br>    "networkProfileId": 1088718,<br>    "roamingProfileId": 1087253,<br>    "securityProfileId": 0,<br>    "ratePlanId": 1011,<br>    "billingProfileId": null,<br>    "customField": [],<br>    "simFreeId1": "0",<br>    "simFreeId2": "0",<br>    "simFreeId3": "0",<br>    "equipmentId": "0",<br>    "firmwareVersion": "0",<br>    "custom1": "0",<br>    "custom2": "0", |

| API Interface | Get SIM by MSISDN |
|---|---|
| | "custom3": "0",<br>"custom4": "0",<br>"custom5": "0",<br>"creationTimestamp": null,<br>"modificationTimestamp": null,<br>"stateId": 7,<br>"stateName": "CONDITIONAL-SUSPEND",<br>"stateModelId": 4,<br>"stateChangeLock": false,<br>"lcStateInsync": true,<br>"tenantMetaData": null,<br>"ipAddresses": [],<br>"networkInterface": null,<br>"initialActivationDate": "2021-12-01T12:41:42.540582Z",<br>"lastStateChangeDate": "2022-01-07T10:57:04.550608Z",<br>"deactivationDate": null<br>} |
| 401 - Unauthorized | Not Authenticated |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/sims.**

Example:

curl –location –request GET '<u>https://{baseURL}/api/{version}/subscription/sims/msisdn/882362000349020</u>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`

"stateName" is ACTIVATED/DEACTIVATED/SUSPENDED/RETIRED/TRIAL/CONDITIONAL-SUSPEND

## 5.2 Fetch SIM using Filter

### 5.2.1 Fetch SIM by Status

**Description:**

The endpoint gives the SIM having the Status searched in the filter where "stateName" is important parameter to determine SIM lifecycle state along with tenantId, accountName, apnGroupId, serviceProfileId, networkProfileId, roamingProfileId, securityProfileId, ratePlanId, and billingProfileId.

| API Interface | Get SIM by Batch | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?stateName.equals={SIM Status} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>　{<br>　　"id": 482757,<br>　　"tenantId": "21",<br>　　"eid": null,<br>　　"accountId": 5303,<br>　　"accountName": "July29Acc",<br>　　"iccid": "8955644099880057172",<br>　　"imsi": "234500001085172",<br>　　"msisdn": "882362000500172",<br>　　"imsImpi": null,<br>　　"pin1": 0,<br>　　"pin2": 0,<br>　　"puk1": "0",<br>　　"puk2": "0",<br>　　"version": "0",<br>　　"tag": "0",<br>　　"euimid": null,<br>　　"batchId": 0,<br>　　"formFactor": "0",<br>　　"simSku": "0",<br>　　"vendor": "0",<br>　　"identityVendor": "0",<br>　　"graphicProfile": "0",<br>　　"inputProfile": "0",<br>　　"apnGroupId": 2462,<br>　　"serviceProfileId": 0,<br>　　"networkProfileId": 6827361,<br>　　"roamingProfileId": 1091802, |

| API Interface | Get SIM by Batch |
|---|---|

```
    "securityProfileId": 0,
    "ratePlanId": 103752,
    "ratePlanType": null,
    "billingProfileId": null,
    "customField": [
      {
        "id": 503503,
        "value": "Nokia"
      },
      {
        "id": 509551,
        "value": "Nokia"
      },
      {
        "id": 520702,
        "value": "Nokia"
      },
      {
        "id": 520704,
        "value": "Nokia"
      },
      {
        "id": 520715,
        "value": "2022-08-16"
      },
      {
        "id": 604655,
        "value": ""
      },
      {
        "id": 604656,
        "value": ""
      },
      {
        "id": 612503,
        "value": ""
      }
    ],
    "simFreeId1": "0",
    "simFreeId2": "0",
    "simFreeId3": "0",
    "equipmentId": "0",
    "firmwareVersion": "0",
    "custom1": "0",
    "custom2": "0",
    "custom3": "0",
    "custom4": "0",
    "custom5": "0",
    "creationTimestamp": "2022-07-29 05:11:44+0000",
    "modificationTimestamp": "2022-09-24 10:35:19+0000",
    "stateId": 4,
```

| API Interface | Get SIM by Batch | |
|---|---|---|
| | "stateName": "SUSPENDED",<br>"stateModelId": 4,<br>"stateChangeLock": false,<br>"lcStateInsync": true,<br>"tenantMetaData": null,<br>"ipAddresses": [],<br>"networkInterface": null,<br>"initialActivationDate": "2022-08-08 15:17:33+0000",<br>"lastStateChangeDate": "2022-09-24 10:35:19+0000",<br>"deactivationDate": null,<br>"resetState": false,<br>"resetApnGroup": null,<br>"resetRateplan": null,<br>"resetServiceProfile": false,<br>"unblockData": null,<br>"unblockSms": null,<br>"prevRatePlanId": 102460,<br>"prevServiceProfileId": 1086613,<br>"prevApnGroupId": null,<br>"stateChangeReason": "USER_ACTION",<br>"reason": null,<br>"resetRequired": null<br>  }<br>] | |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br>Send a GET request to the **/sims.** | | |
| Example:<br>curl –location –request GET 'https://{baseURL}/api/{version}/subscription/sims?stateName.equals=SUSPENDED'<br>--header **'Authorization: Bearer <JWT-TOKEN>'** --header 'Content-Type: application/json' --header **'Account-Context-Id: <ACCOUNT_ID>'**<br><br>"stateName" is ACTIVE/DEACTIVATED/TRIAL/ENTERPRISE-INVENTORY/SUSPENDED/RETIRED/CONDITIONAL-SUSPEND | | |

## 5.2.2 Fetch SIM by IMSI

**Description:**

The endpoint gives the details of the SIM when searched by the given IMSI. IMSI refers to the unique number that identifies the SIM.

| API Interface | Get SIM by IMSI | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?imsi.equals={IMSI ID} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `[`<br>`    {`<br>`        "id": 482757,`<br>`        "tenantId": "21",`<br>`        "eid": null,`<br>`        "accountId": 5303,`<br>`        "accountName": "July29Acc",`<br>`        "iccid": "8955644099880057172",`<br>`        "imsi": "234500001085172",`<br>`        "msisdn": "882362000500172",`<br>`        "imsImpi": null,`<br>`        "pin1": 0,`<br>`        "pin2": 0,`<br>`        "puk1": "0",`<br>`        "puk2": "0",`<br>`        "version": "0",`<br>`        "tag": "0",`<br>`        "euimid": null,`<br>`        "batchId": 0,`<br>`        "formFactor": "0",`<br>`        "simSku": "0",`<br>`        "vendor": "0",`<br>`        "identityVendor": "0",`<br>`        "graphicProfile": "0",`<br>`        "inputProfile": "0",`<br>`        "apnGroupId": 2462,`<br>`        "serviceProfileId": 0,`<br>`        "networkProfileId": 6827361,`<br>`        "roamingProfileId": 1091802,`<br>`        "securityProfileId": 0,`<br>`        "ratePlanId": 103752,`<br>`        "ratePlanType": null,`<br>`        "billingProfileId": null,`<br>`        "customField": [` |

| API Interface | Get SIM by IMSI |
|---|---|
| | {<br>   "id": 503503,<br>   "value": "Nokia"<br>},<br>{<br>   "id": 509551,<br>   "value": "Nokia"<br>},<br>{<br>   "id": 520702,<br>   "value": "Nokia"<br>},<br>{<br>   "id": 520704,<br>   "value": "Nokia"<br>},<br>{<br>   "id": 520715,<br>   "value": "2022-08-16"<br>},<br>{<br>   "id": 604655,<br>   "value": ""<br>},<br>{<br>   "id": 604656,<br>   "value": ""<br>},<br>{<br>   "id": 612503,<br>   "value": ""<br>}<br>],<br>"simFreeId1": "0",<br>"simFreeId2": "0",<br>"simFreeId3": "0",<br>"equipmentId": "0",<br>"firmwareVersion": "0",<br>"custom1": "0",<br>"custom2": "0",<br>"custom3": "0",<br>"custom4": "0",<br>"custom5": "0",<br>"creationTimestamp": "2022-07-29 05:11:44+0000",<br>"modificationTimestamp": "2022-09-24 10:35:19+0000",<br>"stateId": 4,<br>"stateName": "SUSPENDED",<br>"stateModelId": 4,<br>"stateChangeLock": false,<br>"lcStateInsync": true,<br>"tenantMetaData": null, |

| API Interface | Get SIM by IMSI | |
|---|---|---|
| | | "ipAddresses": [], <br> "networkInterface": null, <br> "initialActivationDate": "2022-08-08 15:17:33+0000", <br> "lastStateChangeDate": "2022-09-24 10:35:19+0000", <br> "deactivationDate": null, <br> "resetState": false, <br> "resetApnGroup": null, <br> "resetRateplan": null, <br> "resetServiceProfile": false, <br> "unblockData": null, <br> "unblockSms": null, <br> "prevRatePlanId": 102460, <br> "prevServiceProfileId": 1086613, <br> "prevApnGroupId": null, <br> "stateChangeReason": "USER_ACTION", <br> "reason": null, <br> "resetRequired": null <br> } <br> ] |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/sims.**

Example:

curl –location –request GET '<u>https://{baseURL}/api/{version}/subscription/sims?imsi.equals={IMSI}</u>--header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`

"imsi" is the IMSI of the SIM to be searched.

## 5.2.3  Fetch SIM by ICCID

**Description:**

The endpoint gives the details of the SIM when searched by the given ICCID. ICCID is the unique serial number of the SIM card.

| API Interface | Get SIM by ICCID | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?iccid.equals={ICCID} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `[`<br>  `{`<br>    `"id": 482757,`<br>    `"tenantId": "21",`<br>    `"eid": null,`<br>    `"accountId": 5303,`<br>    `"accountName": "July29Acc",`<br>    `"iccid": "8955644099880057172",`<br>    `"imsi": "234500001085172",`<br>    `"msisdn": "882362000500172",`<br>    `"imsImpi": null,`<br>    `"pin1": 0,`<br>    `"pin2": 0,`<br>    `"puk1": "0",`<br>    `"puk2": "0",`<br>    `"version": "0",`<br>    `"tag": "0",`<br>    `"euimid": null,`<br>    `"batchId": 0,`<br>    `"formFactor": "0",`<br>    `"simSku": "0",`<br>    `"vendor": "0",`<br>    `"identityVendor": "0",`<br>    `"graphicProfile": "0",`<br>    `"inputProfile": "0",`<br>    `"apnGroupId": 2462,`<br>    `"serviceProfileId": 0,`<br>    `"networkProfileId": 6827361,`<br>    `"roamingProfileId": 1091802,`<br>    `"securityProfileId": 0,`<br>    `"ratePlanId": 103752,`<br>    `"ratePlanType": null,`<br>    `"billingProfileId": null,`<br>    `"customField": [` |

| API Interface | Get SIM by ICCID |
|---|---|
|  |  |

```
        {
          "id": 503503,
          "value": "Nokia"
        },
        {
          "id": 509551,
          "value": "Nokia"
        },
        {
          "id": 520702,
          "value": "Nokia"
        },
        {
          "id": 520704,
          "value": "Nokia"
        },
        {
          "id": 520715,
          "value": "2022-08-16"
        },
        {
          "id": 604655,
          "value": ""
        },
        {
          "id": 604656,
          "value": ""
        },
        {
          "id": 612503,
          "value": ""
        }
      ],
      "simFreeId1": "0",
      "simFreeId2": "0",
      "simFreeId3": "0",
      "equipmentId": "0",
      "firmwareVersion": "0",
      "custom1": "0",
      "custom2": "0",
      "custom3": "0",
      "custom4": "0",
      "custom5": "0",
      "creationTimestamp": "2022-07-29 05:11:44+0000",
      "modificationTimestamp": "2022-09-24 10:35:19+0000",
      "stateId": 4,
      "stateName": "SUSPENDED",
      "stateModelId": 4,
      "stateChangeLock": false,
      "lcStateInsync": true,
      "tenantMetaData": null,
```

| API Interface | Get SIM by ICCID | |
|---|---|---|
| | "ipAddresses": [],<br>"networkInterface": null,<br>"initialActivationDate": "2022-08-08 15:17:33+0000",<br>"lastStateChangeDate": "2022-09-24 10:35:19+0000",<br>"deactivationDate": null,<br>"resetState": false,<br>"resetApnGroup": null,<br>"resetRateplan": null,<br>"resetServiceProfile": false,<br>"unblockData": null,<br>"unblockSms": null,<br>"prevRatePlanId": 102460,<br>"prevServiceProfileId": 1086613,<br>"prevApnGroupId": null,<br>"stateChangeReason": "USER_ACTION",<br>"reason": null,<br>"resetRequired": null<br>  }<br>] | |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/sims.**

Example:

curl –location –request GET 'https://{baseURL}/api/{version}/subscription/sims?iccid.equals={ICCID}' --header `'Authorization: Bearer <JWT-TOKEN>'` --header 'Content-Type: application/json' --header `'Account-Context-Id: <ACCOUNT_ID>'`

"iccid" is the ICCID of the SIM to be searched.

## 5.2.4  Fetch SIM by MSISDN

**Description:**

The endpoint gives the details of the SIM when searched by the given MSISDN.

| API Interface | Get SIM by MSISDN | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?msisdn.equals={MSISDN} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `[`<br>`    {`<br>`        "id": 482757,`<br>`        "tenantId": "21",`<br>`        "eid": null,`<br>`        "accountId": 5303,`<br>`        "accountName": "July29Acc",`<br>`        "iccid": "8955644099880057172",`<br>`        "imsi": "234500001085172",`<br>`        "msisdn": "882362000500172",`<br>`        "imsImpi": null,`<br>`        "pin1": 0,`<br>`        "pin2": 0,`<br>`        "puk1": "0",`<br>`        "puk2": "0",`<br>`        "version": "0",`<br>`        "tag": "0",`<br>`        "euimid": null,`<br>`        "batchId": 0,`<br>`        "formFactor": "0",`<br>`        "simSku": "0",`<br>`        "vendor": "0",`<br>`        "identityVendor": "0",`<br>`        "graphicProfile": "0",`<br>`        "inputProfile": "0",`<br>`        "apnGroupId": 2462,`<br>`        "serviceProfileId": 0,`<br>`        "networkProfileId": 6827361,`<br>`        "roamingProfileId": 1091802,`<br>`        "securityProfileId": 0,`<br>`        "ratePlanId": 103752,`<br>`        "ratePlanType": null,`<br>`        "billingProfileId": null,`<br>`        "customField": [`<br>`            {`<br>`                "id": 503503,` |

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| API Interface | Get SIM by MSISDN | |
|---|---|---|
| | |          "value": "Nokia"<br>        },<br>        {<br>          "id": 509551,<br>          "value": "Nokia"<br>        },<br>        {<br>          "id": 520702,<br>          "value": "Nokia"<br>        },<br>        {<br>          "id": 520704,<br>          "value": "Nokia"<br>        },<br>        {<br>          "id": 520715,<br>          "value": "2022-08-16"<br>        },<br>        {<br>          "id": 604655,<br>          "value": ""<br>        },<br>        {<br>          "id": 604656,<br>          "value": ""<br>        },<br>        {<br>          "id": 612503,<br>          "value": ""<br>        }<br>      ],<br>      "simFreeId1": "0",<br>      "simFreeId2": "0",<br>      "simFreeId3": "0",<br>      "equipmentId": "0",<br>      "firmwareVersion": "0",<br>      "custom1": "0",<br>      "custom2": "0",<br>      "custom3": "0",<br>      "custom4": "0",<br>      "custom5": "0",<br>      "creationTimestamp": "2022-07-29 05:11:44+0000",<br>      "modificationTimestamp": "2022-09-24 10:35:19+0000",<br>      "stateId": 4,<br>      "stateName": "SUSPENDED",<br>      "stateModelId": 4,<br>      "stateChangeLock": false,<br>      "lcStateInsync": true,<br>      "tenantMetaData": null,<br>      "ipAddresses": [],<br>      "networkInterface": null, |

| API Interface | Get SIM by MSISDN | |
|---|---|---|
| | | "initialActivationDate": "2022-08-08 15:17:33+0000",<br>"lastStateChangeDate": "2022-09-24 10:35:19+0000",<br>"deactivationDate": null,<br>"resetState": false,<br>"resetApnGroup": null,<br>"resetRateplan": null,<br>"resetServiceProfile": false,<br>"unblockData": null,<br>"unblockSms": null,<br>"prevRatePlanId": 102460,<br>"prevServiceProfileId": 1086613,<br>"prevApnGroupId": null,<br>"stateChangeReason": "USER_ACTION",<br>"reason": null,<br>"resetRequired": null<br>    }<br>] |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/sims.** |

| Example: |
|---|
| curl –location –request GET '<ins>https://{baseURL}/api/{version}/subscription/sims?msisdn.equals={MSISDN}</ins>' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`<br><br>"msisdn" is the MSISDN of the SIM to be searched. |

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## 5.2.5  Fetch SIMs by Page

**Description:**

This API is used to retrieve the information of all the SIMs in a page. A single page contains up to 2000 SIMs. The page number needs to be adjusted to read the next batch of 2000 SIMs. Steps can be repeated to read all SIMs.

| API Interface | Get SIMs by Page (up to 2000 SIMs) | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?page=1&size=2000 | |
| | https://{baseURL}/api/{version}/subscription/sims?page=2&size=2000 | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | `[`<br>`  {`<br>`    "id": 615055,`<br>`    "tenantId": "21",`<br>`    "eid": null,`<br>`    "accountId": 3439,`<br>`    "accountName": "DNT_MoveSIM",`<br>`    "iccid": "8955644099890137106",`<br>`    "imsi": "234500001317106",`<br>`    "msisdn": "882362001037106",`<br>`    "imsImpi": null,`<br>`    "pin1": 0,`<br>`    "pin2": 0,`<br>`    "puk1": "0",`<br>`    "puk2": "0",`<br>`    "version": "0",`<br>`    "tag": "0",`<br>`    "euimid": null,`<br>`    "batchId": 0,`<br>`    "formFactor": "0",`<br>`    "simSku": "0",`<br>`    "vendor": "0",`<br>`    "identityVendor": "0",`<br>`    "graphicProfile": "0",`<br>`    "inputProfile": "0",`<br>`    "apnGroupId": 2193,`<br>`    "serviceProfileId": 0,`<br>`    "networkProfileId": 1087055,`<br>`    "roamingProfileId": 1091802,`<br>`    "securityProfileId": 0,`<br>`    "ratePlanId": 65362,`<br>`    "ratePlanType": null,` |

| API Interface | Get SIMs by Page (up to 2000 SIMs) |
|---|---|
| | <br>```<br>      "billingProfileId": null,<br>      "customField": [<br>        {<br>          "id": 2134451,<br>          "value": ""<br>        }<br>      ],<br>      "simFreeId1": "0",<br>      "simFreeId2": "0",<br>      "simFreeId3": "0",<br>      "equipmentId": "0",<br>      "firmwareVersion": "0",<br>      "custom1": "0",<br>      "custom2": "0",<br>      "custom3": "0",<br>      "custom4": "0",<br>      "custom5": "0",<br>      "creationTimestamp": "2022-08-31 07:18:25+0000",<br>      "modificationTimestamp": "2022-11-01 17:46:35+0000",<br>      "stateId": 3,<br>      "stateName": "ACTIVE",<br>      "stateModelId": 4,<br>      "stateChangeLock": false,<br>      "lcStateInsync": true,<br>      "tenantMetaData": null,<br>      "ipAddresses": [],<br>      "networkInterface": null,<br>      "initialActivationDate": "2022-11-01 17:46:35+0000",<br>      "lastStateChangeDate": "2022-11-01 17:46:35+0000",<br>      "deactivationDate": "2022-10-12 08:21:46+0000",<br>      "resetState": false,<br>      "resetApnGroup": null,<br>      "resetRateplan": null,<br>      "resetServiceProfile": null,<br>      "unblockData": null,<br>      "unblockSms": null,<br>      "prevRatePlanId": null,<br>      "prevServiceProfileId": null,<br>      "prevApnGroupId": null,<br>      "stateChangeReason": "USER_ACTION",<br>      "reason": null,<br>      "resetRequired": null<br>    }<br>]<br>``` |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Get SIMs by Page (up to 2000 SIMs) | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| Notes: |
|---|
| Send a GET request to the **/sims** |
| The response contains the information of all the SIMs in a page. A single page has up to 2000 SIMs. |

| Example: |
|---|
| `curl –location –request POST 'https://{baseURL}/api/{version}/subscription/sims?page=1&size=2000' --header 'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id: <ACCOUNT_ID>' --data-raw '{Your input}'` |

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| id | Number | ID of SIM |
| tenantId | String | ID of tenant |
| eid | String | EID |
| accountId | Number | ID of account |
| accountName | String | Name of the account |
| iccid | String | ICCID |
| imsi | String | IMSI |
| msisdn | String | MSISDN |
| imsImpi | String | IMSIMPI |
| pin1 | Number | PIN 1 |
| pin2 | Number | PIN 2 |
| puk1 | String | PUK 1 |
| puk2 | String | PUK 2 |
| version | String | Version |
| euimid | String | ID of EUIM |
| tag | String | Tag |

| Parameter | Type | Description |
|---|---|---|
| batchId | String | ID of batch |
| formFactor | String | Form factor |
| simSku | String | SIM SKU |
| vendor | String | Vendor |
| identityVendor | String | Identity of Vendor |
| graphicProfile | String | Graphic profile |
| inputProfile | String | Input profile |
| serviceProfileId | Number | ID of Service Profile |
| networkProfileId | Number | ID of Network Profile |
| apnGroupId | Number | ID of APN Group |
| roamingProfileId | Number | ID of Roaming Profile |
| securityProfileId | Number | ID of Security Profile |
| ratePlanId | Number | ID of Rate Plan |
| billingProfileId | Number | ID of Billing Profile |
| simFreeId1 | String | SIM Free ID 1 |
| simFreeId2 | String | SIM Free ID 2 |
| simFreeId3 | String | SIM Free ID 3 |
| equipmentId | String | ID of equipment |
| firmwareVersion | String | Firmware version |
| custom1 | String | Custom 1 |
| custom2 | String | Custom 2 |
| custom3 | String | Custom 3 |
| custom4 | String | Custom 4 |
| custom5 | String | Custom 5 |
| creationTimestamp | Date/Time | Date and Time of creation |
| modificationTimestamp | Date/Time | Date and Time of modification |
| resetState | Binary | Reset State |

| Parameter | Type | Description |
|---|---|---|
| resetApnGroup | Binary | Reset APN Group |
| resetRateplan | Binary | Reset Rate Plan |
| resetServiceProfile | Binary | Reset Service Profile |
| unblockData | Binary | Unblock data |
| unblockSms | Binary | Unblock SMS |
| prevRatePlanId | Number | ID of previous Rate Plan |
| prevServiceProfileId | Number | ID of previous Service Profile |
| prevApnGroupId | Number | ID of previous APN Group |
| stateId | Number | ID of State |
| stateName | String | One of the values {ACTIVATED, DEACTIVATED,SUSPENDED,RETIRED,TRAIL, CONDITIONAL-SUSPEND} |
| stateModelId | Number | ID of state model |
| stateChangeLock | Binary | State change lock |
| lcStateInsync | Binary | IC State in Sync |
| stateChangeReason | String | Reason for state change |

## 5.3  SIM Filters

**Description:**

The SIM filter APIs can help you get the details of all the SIMs that satisfy the specified filter criteria on a certain parameter.

The following table explains the filter parameters, operators, and the criteria used in the SIM filter APIs:

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| 1 | id | equals<br>notEquals<br>in<br>notIn<br>greaterThan | Number | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | lessThan<br><br>greaterThanOrEqual<br><br>lessThanOrEqual | | |
| 2 | tenantId | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 3 | eid | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 4 | accountId | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>greaterThan<br><br>lessThan<br><br>greaterThanOrEqual<br><br>lessThanOrEqual | Number | TRUE |
| 5 | accountName | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 6 | iccid | equals<br><br>notEquals<br><br>in<br><br>notIn | String | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | contains<br>doesNotContain | | |
| 7 | imsi | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 8 | msisdn | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 9 | imsImpi | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 10 | pin1 | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 11 | pin2 | equals<br>notEquals<br>in<br>notIn | Number | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | | |
| 12 | puk1 | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 13 | puk2 | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 14 | version | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 15 | euimid | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 16 | tag | equals<br>notEquals<br>in<br>notIn<br>contains | String | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | doesNotContain | | |
| 17 | batchId | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 18 | formFactor | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 19 | simSku | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 20 | vendor | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 21 | identityVendor | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| 22 | graphicProfile | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 23 | inputProfile | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 24 | serviceProfileId | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>greaterThan<br><br>lessThan<br><br>greaterThanOrEqual<br><br>lessThanOrEqual | Number | TRUE |
| 25 | networkProfileId | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>greaterThan<br><br>lessThan<br><br>greaterThanOrEqual<br><br>lessThanOrEqual | Number | TRUE |
| 26 | apnGroupId | equals<br><br>notEquals<br><br>in<br><br>notIn | Number | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | greaterThan | | |
| | | lessThan | | |
| | | greaterThanOrEqual | | |
| | | lessThanOrEqual | | |
| 27 | roamingProfileId | equals | Number | TRUE |
| | | notEquals | | |
| | | in | | |
| | | notIn | | |
| | | greaterThan | | |
| | | lessThan | | |
| | | greaterThanOrEqual | | |
| | | lessThanOrEqual | | |
| 28 | securityProfileId | equals | Number | TRUE |
| | | notEquals | | |
| | | in | | |
| | | notIn | | |
| | | greaterThan | | |
| | | lessThan | | |
| | | greaterThanOrEqual | | |
| | | lessThanOrEqual | | |
| 29 | ratePlanId | equals | Number | TRUE |
| | | notEquals | | |
| | | in | | |
| | | notIn | | |
| | | greaterThan | | |
| | | lessThan | | |
| | | greaterThanOrEqual | | |
| | | lessThanOrEqual | | |
| 30 | billingProfileId | equals | Number | TRUE |
| | | notEquals | | |
| | | in | | |
| | | notIn | | |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|-------|-----------------|----------|-----------|----------|
| | | greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | | |
| 31 | simFreeId1 | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 32 | simFreeId2 | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 33 | simFreeId3 | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 34 | equipmentId | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 35 | firmwareVersion | equals<br>notEquals<br>in<br>notIn<br>contains | String | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|-------|------------------|----------|-----------|----------|
| | | doesNotContain | | |
| 36 | custom1 | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 37 | custom2 | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 38 | custom3 | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 39 | custom4 | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 40 | Custom5 | equals<br><br>notEquals<br><br>in<br><br>notIn<br><br>contains<br><br>doesNotContain | String | TRUE |
| 41 | creationTimestamp | equals<br><br>notEquals | Number | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | | |
| 42 | modificationTimestamp | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 43 | resetState | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 44 | resetApnGroup | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 45 | resetRateplan | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 46 | resetServiceProfile | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 47 | unblockData | equals<br>notEquals | Number | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | in<br>notIn | | |
| 48 | unblockSms | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 49 | prevRatePlanId | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 50 | prevServiceProfileId | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 51 | prevApnGroupId | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 52 | stateId | equals<br>notEquals | Number | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|---|---|---|---|---|
| | | in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | | |
| 53 | stateName | equals<br>notEquals<br>in<br>notIn<br>contains<br>doesNotContain | String | TRUE |
| 54 | stateModelId | equals<br>notEquals<br>in<br>notIn<br>greaterThan<br>lessThan<br>greaterThanOrEqual<br>lessThanOrEqual | Number | TRUE |
| 55 | stateChangeLock | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 56 | lcStateInsync | equals<br>notEquals<br>in<br>notIn | Number | TRUE |
| 57 | stateChangeReason | equals<br>notEquals<br>in<br>notIn | String | TRUE |

| S.No. | Filter Parameter | Operator | Data Type | Criteria |
|-------|-----------------|----------|-----------|----------|
| | | contains<br><br>doesNotContain | | |

## 5.3.1  Single API Filter

**Description:**

The endpoint gives the details of all the SIMs that satisfy the single filter (one parameter) condition. For example, the following API will give the details of all the SIMs for which the Account ID (a parameter) is equal to, greater than, or less than the specified Account ID.

| API Interface | Single API Filter | |
|---------------|-------------------|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?accountId.equals={accountId}<br><br>https://{baseURL}/api/{version}/subscription/sims?accountId.greaterThan={accountId}<br><br>https://{baseURL}/api/{version}/subscription/sims?accountId.lessThan={accountId} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>  {<br>    "id": 615055,<br>    "tenantId": "21",<br>    "eid": null,<br>    "accountId": 3439,<br>    "accountName": "DNT_MoveSIM",<br>    "iccid": "8955644099890137106",<br>    "imsi": "234500001317106",<br>    "msisdn": "882362001037106",<br>    "imsImpi": null,<br>    "pin1": 0,<br>    "pin2": 0,<br>    "puk1": "0",<br>    "puk2": "0",<br>    "version": "0",<br>    "tag": "0",<br>    "euimid": null,<br>    "batchId": 0,<br>    "formFactor": "0",<br>    "simSku": "0",<br>    "vendor": "0", |

| API Interface | Single API Filter | |
|---|---|---|
| | | "identityVendor": "0",<br>"graphicProfile": "0",<br>"inputProfile": "0",<br>"apnGroupId": 2193,<br>"serviceProfileId": 0,<br>"networkProfileId": 1087055,<br>"roamingProfileId": 1091802,<br>"securityProfileId": 0,<br>"ratePlanId": 65362,<br>"ratePlanType": null,<br>"billingProfileId": null,<br>"customField": [<br>   {<br>      "id": 2134451,<br>      "value": ""<br>   }<br>],<br>"simFreeId1": "0",<br>"simFreeId2": "0",<br>"simFreeId3": "0",<br>"equipmentId": "0",<br>"firmwareVersion": "0",<br>"custom1": "0",<br>"custom2": "0",<br>"custom3": "0",<br>"custom4": "0",<br>"custom5": "0",<br>"creationTimestamp": "2022-08-31 07:18:25+0000",<br>"modificationTimestamp": "2022-11-01 17:46:35+0000",<br>"stateId": 3,<br>"stateName": "ACTIVE",<br>"stateModelId": 4,<br>"stateChangeLock": false,<br>"lcStateInsync": true,<br>"tenantMetaData": null,<br>"ipAddresses": [],<br>"networkInterface": null,<br>"initialActivationDate": "2022-11-01 17:46:35+0000",<br>"lastStateChangeDate": "2022-11-01 17:46:35+0000",<br>"deactivationDate": "2022-10-12 08:21:46+0000",<br>"resetState": false,<br>"resetApnGroup": null,<br>"resetRateplan": null,<br>"resetServiceProfile": null,<br>"unblockData": null,<br>"unblockSms": null,<br>"prevRatePlanId": null,<br>"prevServiceProfileId": null,<br>"prevApnGroupId": null,<br>"stateChangeReason": "USER_ACTION",<br>"reason": null, |

| API Interface | Single API Filter | |
|---|---|---|
| | "resetRequired": null<br>  }<br>] | |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/sims.**

Example:

curl –location –request GET 'https://{baseURL}/api/{version}/subscription/sims?accountId.equals={accountId}' --header `'Authorization: Bearer <JWT-TOKEN>'` --header 'Content-Type: application/json' --header `'Account-Context-Id: <ACCOUNT_ID>'`

## 5.3.2　Multiple API Filters

**Description:**

The endpoint gives the details of all the SIMs that satisfy the multiple filter (more than one parameters) conditions. You can use "&" to add more filter criteria.

For example, the following API will give the details of all the SIMs for which the Account ID (a parameter) is less than the specified Account ID and ICCID is equal to the specified value.

| API Interface | Multiple API Filters | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims?accountId.lessThan={account ID}&iccid.equals={ICCID} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [<br>  {<br>    "id": 615055,<br>    "tenantId": "21",<br>    "eid": null,<br>    "accountId": 3439,<br>    "accountName": "DNT_MoveSIM",<br>    "iccid": "8955644099890137106",<br>    "imsi": "234500001317106",<br>    "msisdn": "882362001037106",<br>    "imsImpi": null,<br>    "pin1": 0,<br>    "pin2": 0,<br>    "puk1": "0",<br>    "puk2": "0",<br>    "version": "0",<br>    "tag": "0",<br>    "euimid": null,<br>    "batchId": 0,<br>    "formFactor": "0",<br>    "simSku": "0",<br>    "vendor": "0",<br>    "identityVendor": "0",<br>    "graphicProfile": "0",<br>    "inputProfile": "0",<br>    "apnGroupId": 2193,<br>    "serviceProfileId": 0,<br>    "networkProfileId": 1087055,<br>    "roamingProfileId": 1091802,<br>    "securityProfileId": 0,<br>    "ratePlanId": 65362,<br>    "ratePlanType": null,<br>    "billingProfileId": null,<br>    "customField": [<br>      {<br>        "id": 2134451,<br>        "value": "" |

| API Interface | Multiple API Filters |
|---|---|
| |            }<br>          ],<br>          "simFreeId1": "0",<br>          "simFreeId2": "0",<br>          "simFreeId3": "0",<br>          "equipmentId": "0",<br>          "firmwareVersion": "0",<br>          "custom1": "0",<br>          "custom2": "0",<br>          "custom3": "0",<br>          "custom4": "0",<br>          "custom5": "0",<br>          "creationTimestamp": "2022-08-31 07:18:25+0000",<br>          "modificationTimestamp": "2022-11-01 17:46:35+0000",<br>          "stateId": 3,<br>          "stateName": "ACTIVE",<br>          "stateModelId": 4,<br>          "stateChangeLock": false,<br>          "lcStateInsync": true,<br>          "tenantMetaData": null,<br>          "ipAddresses": [],<br>          "networkInterface": null,<br>          "initialActivationDate": "2022-11-01 17:46:35+0000",<br>          "lastStateChangeDate": "2022-11-01 17:46:35+0000",<br>          "deactivationDate": "2022-10-12 08:21:46+0000",<br>          "resetState": false,<br>          "resetApnGroup": null,<br>          "resetRateplan": null,<br>          "resetServiceProfile": null,<br>          "unblockData": null,<br>          "unblockSms": null,<br>          "prevRatePlanId": null,<br>          "prevServiceProfileId": null,<br>          "prevApnGroupId": null,<br>          "stateChangeReason": "USER_ACTION",<br>          "reason": null,<br>          "resetRequired": null<br>        }<br>    ] |
| 401 - Unauthorized | Not Authenticated |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| API Interface | Multiple API Filters |
|---|---|
| Notes:<br><br>Send a GET request to the **/sims.** | |
| Example:<br><br>curl –location –request GET '[https://{baseURL}/api/{version}/subscription/sims?accountId.lessThan={account ID}&iccid.equals={ICCID}](https://{baseURL}/api/{version}/subscription/sims?accountId.lessThan={account)' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'` | |

## 5.4 Fetch SIM Usage

### 5.4.1 Graphql for Data Usage

**Description:**

This API retrieves and displays data usage details for a given SIM in the current Billing Cycle.

| API Interface | Data Usage for a SIM | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/graphql | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>     "query": "query DataUsageOnline {\n restgw_tbl_subscriber_data_balance_aggregate(order_by: {id: desc},where:\n {_and:[\n {subscription_id_data0:{_eq:\"{IMSI}\"}},\n {accumulator_type:{_eq:\"Billing-Cycle\"}},\n {active:{_eq:\"true\"}},\n ]}){\n aggregate {\n sum {\n accumulated_usage\n }\n }\n }\n }",<br>     "variables": null,<br>     "operationName": "DataUsageOnline"<br>} |
| Response | Content Type | Text |

| API Interface | Data Usage for a SIM | |
|---|---|---|
| HTTP Status | 200 - OK | {<br>   "data": {<br>      "restgw_tbl_subscriber_data_balance_aggregate": {<br>         "aggregate": {<br>            "sum": {<br>               "accumulated_usage": 2144643861<br>            }<br>         }<br>      }<br>   }<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a POST request to the **/graphql**

The response contains the total data usage for the SIM.

Example:

```
curl –location –request POST 'https://{baseURL}/api/{version}/graphql' --header 'Authorization:
Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id:
<ACCOUNT_ID>' --data-raw '{Your input}'
```

## 5.4.2 Graphql for SMS and Voice

**Description:**

This API retrieves and displays SMS and Voice usage details for a given SIM in the current Billing Cycle.

| API Interface | SMS and Voice Details for a SIM |
|---|---|
| URL | https://{baseURL}/api/{version}/graphql |
| Request | Method: POST, Content type: application/json |

| API Interface | SMS and Voice Details for a SIM | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "query":    "query    DataUsageOffline    {\n rating_usage_accumulator(order_by: {id: desc}, limit: 1,where:\n {_and:[\n    {tenant_id:{_eq:\"{TenantID}\"}},\n {subscription_id:{_eq:\"{SubscriptionID}\"}},\n {counter_type:{_eq:\"Monthly\"}},\n    ],\n    }){\n counter_sms_mo\n    counter_sms_mt\n counter_voice_mo\n    counter_voice_mt\n counter_data\n    }\n    }",<br>    "variables": null,<br>    "operationName": "DataUsageOffline"<br>} |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | {<br>  "data": {<br>    "rating_usage_accumulator": [<br>      {<br>        "counter_sms_mo": null,<br>        "counter_sms_mt": null,<br>        "counter_voice_mo": null,<br>        "counter_voice_mt": null,<br>        "counter_data": null}<br>    ]<br>  }<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/graphql**<br><br>The response contains the SMS and Voice usage details for the SIM. | | |

| API Interface | SMS and Voice Details for a SIM |
|---|---|
| Example:<br><br>```curl –location –request POST 'https://{baseURL}/api/{version}/graphql' --header 'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id: <ACCOUNT_ID>' --data-raw '{Your input}'``` | |

## 5.4.3 Graphql for SIMs with Data Usage

**Description:**

This API retrieves and displays the list of SIMs in an account with their data usage details in the current Billing Cycle. The request body should be modified to get response with relevant fields as required by the user.

| API Interface | SIMs with Data Usage | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/graphql | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | query GetList_simlcmanagement_vw_subscription {<br>    simlcmanagement_vw_subscription(limit: 5, offset: 0,where:{_and:[<br><br>  ,<br>  {tenant_id:{_eq:"1"}},<br>  {account_id:{_eq:"241"}},<br>  ]},){<br>       account_id<br>account_name<br>  account_account_state<br>account_id<br>account_name<br>apn_group_id<br>apn_group_name<br>custom_fields<br>iccid<br>id<br>imsi<br>msisdn<br>network_profile_id<br>network_profile_name<br>rate_plan_id<br>rate_plan_name<br>rate_plan_subscription_type |

| API Interface | SIMs with Data Usage | |
|---|---|---|
| | | rate_plan_type<br>roaming_profile_id<br>roaming_profile_rp_name<br>state_id<br>state_name<br>tags<br>ip_address<br>last_used_imei,<br>data_usage_online_radius_accumulated_usage,<br>    }<br><br>    } |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | ``` |

```
{
    "data": {
        "simlcmanagement_vw_subscription": [
            {
                "account_id": 241,
                "account_name": "OGILINK SRL",
                "account_account_state": "ACTIVE",
                "apn_group_id": 402,
                "apn_group_name": "OGILINK SRL apn iot5g.windtre",
                "custom_fields": [
                    {
                        "id": 13201,
                        "value": ""
                    },
                    {
                        "id": 13251,
                        "value": ""
                    },
                    {
                        "id": 13202,
                        "value": ""
                    },
                    {
                        "id": 13502,
                        "value": ""
                    },
                    {
                        "id": 13501,
                        "value": ""
                    },
                    {
                        "id": 13204,
                        "value": ""
                    },
                    {
                        "id": 13203,
                        "value": " "
                    }
```

| API Interface | SIMs with Data Usage |
|---|---|
| | ],<br>"iccid": "8939883226100291701",<br>"id": 6383019,<br>"imsi": "222887267571165",<br>"msisdn": "393208016172",<br>"network_profile_id": 16553776,<br>"network_profile_name": "OGILINK SRL apn iot5g.windtre",<br>"rate_plan_id": 17339,<br>"rate_plan_name": "IoT Connect_OGILINK",<br>"rate_plan_subscription_type": "Prepaid",<br>"rate_plan_type": "Fixed-Pool Bundle",<br>"roaming_profile_id": 16553702,<br>"roaming_profile_rp_name": "800",<br>"state_id": 3,<br>"state_name": "ACTIVE",<br>"tags": null,<br>"ip_address": null,<br>"last_used_imei": null,<br>"data_usage_online_radius_accumulated_usage": null<br>},<br>{<br>"account_id": 241,<br>"account_name": "OGILINK SRL",<br>"account_account_state": "ACTIVE",<br>"apn_group_id": 402,<br>"apn_group_name": "OGILINK SRL apn iot5g.windtre",<br>"custom_fields": [<br>{<br>"id": 13201,<br>"value": ""<br>},<br>{<br>"id": 13251,<br>"value": ""<br>},<br>{<br>"id": 13202,<br>"value": ""<br>},<br>{<br>"id": 13502,<br>"value": ""<br>},<br>{<br>"id": 13501,<br>"value": ""<br>},<br>{<br>"id": 13204,<br>"value": ""<br>}, |

| API Interface | SIMs with Data Usage |
|---|---|
| | {<br>    "id": 13203,<br>    "value": " "<br>  }<br>],<br>"iccid": "8939883226100291719",<br>"id": 6456376,<br>"imsi": "222887267571166",<br>"msisdn": "393280960015",<br>"network_profile_id": 16553776,<br>"network_profile_name": "OGILINK SRL apn iot5g.windtre",<br>"rate_plan_id": 17339,<br>"rate_plan_name": "IoT Connect_OGILINK",<br>"rate_plan_subscription_type": "Prepaid",<br>"rate_plan_type": "Fixed-Pool Bundle",<br>"roaming_profile_id": 16553702,<br>"roaming_profile_rp_name": "800",<br>"state_id": 3,<br>"state_name": "ACTIVE",<br>"tags": null,<br>"ip_address": null,<br>"last_used_imei": null,<br>"data_usage_online_radius_accumulated_usage": null<br>},<br>{<br>"account_id": 241,<br>"account_name": "OGILINK SRL",<br>"account_account_state": "ACTIVE",<br>"apn_group_id": 402,<br>"apn_group_name": "OGILINK SRL apn iot5g.windtre",<br>"custom_fields": [<br>  {<br>    "id": 13201,<br>    "value": ""<br>  },<br>  {<br>    "id": 13251,<br>    "value": ""<br>  },<br>  {<br>    "id": 13202,<br>    "value": ""<br>  },<br>  {<br>    "id": 13502,<br>    "value": ""<br>  },<br>  {<br>    "id": 13501,<br>    "value": ""<br>  }, |

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| API Interface | SIMs with Data Usage |
|---|---|
|  | {<br>   "id": 13204,<br>   "value": ""<br>},<br>{<br>   "id": 13203,<br>   "value": " "<br>}<br>],<br>"iccid": "8939883226100291891",<br>"id": 6378438,<br>"imsi": "222887267571184",<br>"msisdn": "393295986341",<br>"network_profile_id": 16553776,<br>"network_profile_name": "OGILINK SRL apn iot5g.windtre",<br>"rate_plan_id": 17339,<br>"rate_plan_name": "IoT Connect_OGILINK",<br>"rate_plan_subscription_type": "Prepaid",<br>"rate_plan_type": "Fixed-Pool Bundle",<br>"roaming_profile_id": 16553702,<br>"roaming_profile_rp_name": "800",<br>"state_id": 3,<br>"state_name": "ACTIVE",<br>"tags": null,<br>"ip_address": null,<br>"last_used_imei": "8640720543020601",<br>"data_usage_online_radius_accumulated_usage": 8937209<br>},<br>{<br>"account_id": 241,<br>"account_name": "OGILINK SRL",<br>"account_account_state": "ACTIVE",<br>"apn_group_id": 402,<br>"apn_group_name": "OGILINK SRL apn iot5g.windtre",<br>"custom_fields": [<br>   {<br>      "id": 13201,<br>      "value": ""<br>   },<br>   {<br>      "id": 13251,<br>      "value": ""<br>   },<br>   {<br>      "id": 13202,<br>      "value": ""<br>   },<br>   {<br>      "id": 13502,<br>      "value": ""<br>   }, |

| API Interface | SIMs with Data Usage |
|---|---|
| | {<br>    "id": 13501,<br>    "value": ""<br>},<br>{<br>    "id": 13204,<br>    "value": ""<br>},<br>{<br>    "id": 13203,<br>    "value": " "<br>}<br>],<br>"iccid": "8939883226100291909",<br>"id": 6407606,<br>"imsi": "222887267571185",<br>"msisdn": "393295978156",<br>"network_profile_id": 16553776,<br>"network_profile_name": "OGILINK SRL apn iot5g.windtre",<br>"rate_plan_id": 17339,<br>"rate_plan_name": "IoT Connect_OGILINK",<br>"rate_plan_subscription_type": "Prepaid",<br>"rate_plan_type": "Fixed-Pool Bundle",<br>"roaming_profile_id": 16553702,<br>"roaming_profile_rp_name": "800",<br>"state_id": 3,<br>"state_name": "ACTIVE",<br>"tags": null,<br>"ip_address": null,<br>"last_used_imei": null,<br>"data_usage_online_radius_accumulated_usage": null<br>},<br>{<br>"account_id": 241,<br>"account_name": "OGILINK SRL",<br>"account_account_state": "ACTIVE",<br>"apn_group_id": 402,<br>"apn_group_name": "OGILINK SRL apn iot5g.windtre",<br>"custom_fields": [<br>    {<br>        "id": 13201,<br>        "value": ""<br>    },<br>    {<br>        "id": 13251,<br>        "value": ""<br>    },<br>    {<br>        "id": 13202,<br>        "value": ""<br>    }, |

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| API Interface | SIMs with Data Usage |
|---|---|
| | {<br>    "id": 13502,<br>    "value": ""<br>},<br>{<br>    "id": 13501,<br>    "value": ""<br>},<br>{<br>    "id": 13204,<br>    "value": ""<br>},<br>{<br>    "id": 13203,<br>    "value": " "<br>}<br>],<br>"iccid": "8939883226100291917",<br>"id": 6487224,<br>"imsi": "222887267571186",<br>"msisdn": "393890013827",<br>"network_profile_id": 16553776,<br>"network_profile_name": "OGILINK SRL apn iot5g.windtre",<br>"rate_plan_id": 17339,<br>"rate_plan_name": "IoT Connect_OGILINK",<br>"rate_plan_subscription_type": "Prepaid",<br>"rate_plan_type": "Fixed-Pool Bundle",<br>"roaming_profile_id": 16553702,<br>"roaming_profile_rp_name": "800",<br>"state_id": 3,<br>"state_name": "ACTIVE",<br>"tags": null,<br>"ip_address": null,<br>"last_used_imei": null,<br>"data_usage_online_radius_accumulated_usage": null<br>}<br>]<br>}<br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| API Interface | SIMs with Data Usage |
|---|---|
| Notes:<br><br>Send a POST request to the **/graphql**<br><br>The response contains the list of SIMs in the account with their total data usage in the current billing cycle. | |

Example:

```
curl -location -request POST 'https://{baseURL}/api/{version}/graphql' --header 'Authorization:
Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id:
<ACCOUNT_ID>' --data-raw '{Your input}'
```

Here, `<ACCOUNT_ID>` is the ID of the account, `<LIMIT>` is the number of SIMs, and `<OFFSET>` is according to limit. For example, if the Limit is 5 and Offset is 0, then the first five SIMs will be returned. And if the Limit is 5 and offset is 5, then the next five SIMs will be returned.

## 5.5 Fetch Session Details

**Description:**

This API is used to retrieve the information related to the current or most recent session for a given SIM.

| API Interface | Session Details for a SIM |
|---|---|
| URL | https://{baseURL}/api/{version}/graphql |
| Request | Method: POST, Content type: application/json |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {"query":"query GetSubscriptionsById {\n simlcmanagement_subscription_identity(where:\n {_and:[\n {id:{_eq:\"{ID}\"}},\n {account_id:{_eq:\"{AccountID}\"}},\n {tenant_id:{_eq:\"{TenantID}\"}},\n ]}){id ,account_id ,account_name,iccid,imsi,msisdn,rate_plan_id,state_change_reason,\n apn_group_id,network_profile_id,roaming_profile_id, state_id,state_model_id,eid, custom_fields, state_change_lock,lc_state_insync\n network_profile {\n name\n },\n apn_group {\n apn_group_name\n },\n roaming_profile{\n rp_name\n },\n rate_plan {\n name\n plan_type\n subscription_type\n },\n state {\n name\n },\n subscription_tag_associations {\n id,\n tag {\n name\n id\n }\n },\n account {\n account_state\n },\n session_states(limit: 1,order_by: {id: desc}) {\n id\n session_id\n session_start_time\n session_end_time\n user_location_info\n sgsn_address\n sgsn_mcc_mnc\n pdp_address\n rat_type\n access_point_name\n input_usage_accumulation\n output_usage_accumulation\n }\n cdr_data(order_by: {record_opening_time: desc}, limit: 1) {\n last_modified_date\n rat_type\n record_opening_time\n served_imeisv\n served_pdp_pdn_address\n serving_node_plmn_identifier\n },\n data_usage_online {\n accumulated_usage\n },\n data_usage_online_radius {\n accumulated_usage\n },\n sms_usage_online {\n mo_usage\n mt_usage\n },\n subscription_state_change_log(where: {action: {_eq: \"activate\"}, status: {_eq: \"COMPLETED\"}}, order_by: {modification_timestamp: desc}, limit: 1) {\n modification_timestamp\n },\n voice_usage {\n counter_data\n counter_sms_mo\n counter_sms_mt\n counter_voice_mo\n counter_voice_mt\n }}\n }","variables":null,"operationName":"GetSubscriptionsById"} |

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| API Interface | Session Details for a SIM | |
|---|---|---|
| Response | Content Type | Text |
| HTTP Status | 200 - OK | {<br>    "data": {<br>        "simlcmanagement_subscription_identity": [<br>            {<br>                "id": 361913,<br>                "account_id": 3995,<br>                "account_name": "REAL_SIM",<br>                "iccid": "8944501206200437091",<br>                "imsi": "234500001043709",<br>                "msisdn": "882360012905196",<br>                "rate_plan_id": 60702,<br>                "state_change_reason": "{$workflow.input.reason}",<br>                "apn_group_id": 1650,<br>                "network_profile_id": 1086613,<br>                "roaming_profile_id": 1087253,<br>                "state_id": 3,<br>                "state_model_id": 4,<br>                "eid": null,<br>                "custom_fields": [<br>                    {<br>                        "id": 359801,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 359802,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 359804,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 361101,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 362301,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 604655,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 604656,<br>                        "value": ""<br>                    },<br>                    {<br>                        "id": 612503, |

| API Interface | Session Details for a SIM |
|---|---|
| | "value": ""<br>}<br>],<br>"state_change_lock": false,<br>"lc_state_insync": true,<br>"network_profile": {<br>"name": "All services "<br>},<br>"apn_group": {<br>"apn_group_name": "nokiaapn"<br>},<br>"roaming_profile": {<br>"rp_name": "ALLPLMN"<br>},<br>"rate_plan": {<br>"name": "Mahesh UK PP",<br>"plan_type": "Individual",<br>"subscription_type": "Pay Monthly"<br>},<br>"state": {<br>"name": "ACTIVE"<br>},<br>"subscription_tag_associations": [],<br>"account": {<br>"account_state": "ACTIVE"<br>},<br>"session_states": [<br>{<br>"id": 447668,<br>"session_id":<br>"FRA3PDCMGC01V.wing.nokia.com;37fd8bbb;63335568;2345000010<br>43709-358919d0",<br>"session_start_time": "2022-09-27T19:56:24",<br>"session_end_time": "2022-09-27T20:00:25",<br>"user_location_info": "32F401550C9085",<br>"sgsn_address": "158.230.229.1",<br>"sgsn_mcc_mnc": "23410",<br>"pdp_address": "10.6.0.192",<br>"rat_type": 1,<br>"access_point_name": "nokia.wing.trial",<br>"input_usage_accumulation": 37305,<br>"output_usage_accumulation": 51928<br>}<br>],<br>"cdr_data": [<br>{<br>"last_modified_date": "2022-09-26T18:45:57.971061",<br>"rat_type": "1",<br>"record_opening_time": "2022-09-26 14:42:12+00",<br>"served_imeisv": "3588734349036801",<br>"served_pdp_pdn_address": "10.6.0.192", |

| API Interface | Session Details for a SIM |
|---|---|
| | <br>```json<br>            "serving_node_plmn_identifier": "23410"<br>          }<br>        ],<br>        "data_usage_online": [<br>          {<br>            "accumulated_usage": 2144733094<br>          },<br>          {<br>            "accumulated_usage": 89233<br>          }<br>        ],<br>        "data_usage_online_radius": [],<br>        "sms_usage_online": [],<br>        "subscription_state_change_log": [<br>          {<br>            "modification_timestamp":                    "2022-06-17T13:18:21.06742"<br>          }<br>        ],<br>        "voice_usage": [<br>          {<br>            "counter_data": 1285988887,<br>            "counter_sms_mo": 0,<br>            "counter_sms_mt": 0,<br>            "counter_voice_mo": 0,<br>            "counter_voice_mt": 0<br>          },<br>          {<br>            "counter_data": 0,<br>            "counter_sms_mo": 0,<br>            "counter_sms_mt": 0,<br>            "counter_voice_mo": 0,<br>            "counter_voice_mt": 0<br>          }<br>        ]<br>      }<br>    ]<br>  }<br>}<br>``` |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

| API Interface | Session Details for a SIM |
|---|---|
| Notes:<br><br>Send a POST request to the **/graphql**<br><br>The response contains the session details for the SIM. | |
| Example:<br><br>`curl –location –request POST '`https://{baseURL}/api/{version}/graphql`' --header `**`'Authorization: Bearer <JWT-TOKEN>'`**` --header `**`'Content-Type: application/json'`**` --header `**`'Account-Context-Id: <ACCOUNT_ID>'`**` --data-raw `**`'{Your input}'`** | |

## 5.6 Allowed SIM State Transitions

**Description:**

This API is used to fetch the allowed state transitions.

| API Interface | Allowed SIM State Transitions | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/model/{modelId}/allowed-state-transition | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

| API Interface | Allowed SIM State Transitions | |
|---|---|---|
| HTTP Status | 200 - OK | [{<br><br>    "id": 19,<br>    "tenantId": "21",<br>    "accountId": null,<br>    "allowed": true,<br>    "creationTimestamp": "2021-03-11T14:41:00Z",<br>    "modificationTimestamp": "2021-03-11T14:41:00Z",<br>    "fromStateId": 8,<br>    "fromStateName": "DEACTIVATED",<br>    "toStateId": 3,<br>    "toStateName": "ACTIVE",<br>    "subscriptionLcStateModelId": 4<br>}, {<br><br>    "id": 14,<br>    "tenantId": "21",<br>    "accountId": null,<br>    "allowed": true,<br>    "creationTimestamp": "2021-03-11T14:41:00Z",<br>    "modificationTimestamp": "2021-03-11T14:41:00Z",<br>    "fromStateId": 3,<br>    "fromStateName": "ACTIVE",<br>    "toStateId": 7,<br>    "toStateName": "CONDITIONAL-SUSPEND",<br>    "subscriptionLcStateModelId": 4<br>}, {<br><br>    "id": 17,<br>    "tenantId": "21",<br>    "accountId": null,<br>    "allowed": true,<br>    "creationTimestamp": "2021-03-11T14:41:00Z",<br>    "modificationTimestamp": "2021-03-11T14:41:00Z",<br>    "fromStateId": 7,<br>    "fromStateName": "CONDITIONAL-SUSPEND",<br>    "toStateId": 3,<br>    "toStateName": "ACTIVE",<br>    "subscriptionLcStateModelId": 4<br>}, {<br><br>    "id": 111,<br>    "tenantId": "21", |

| API Interface | Allowed SIM State Transitions |
|---|---|

```
            "accountId": null,

            "allowed": true,

            "creationTimestamp": "2021-03-11T14:41:00Z",

            "modificationTimestamp": "2021-03-11T14:41:00Z",

            "fromStateId": 7,

            "fromStateName": "CONDITIONAL-SUSPEND",

            "toStateId": 8,

            "toStateName": "DEACTIVATED",

            "subscriptionLcStateModelId": 4

}, {

            "id": 112,

            "tenantId": "21",

            "accountId": null,

            "allowed": true,

            "creationTimestamp": "2021-03-11T14:41:00Z",

            "modificationTimestamp": "2021-03-11T14:41:00Z",

            "fromStateId": 1,

            "fromStateName": "ENTERPRISE-INVENTORY",

            "toStateId": 8,

            "toStateName": "DEACTIVATED",

            "subscriptionLcStateModelId": 4

}, {

            "id": 113,

            "tenantId": "21",

            "accountId": null,

            "allowed": true,

            "creationTimestamp": "2021-03-11T14:41:00Z",

            "modificationTimestamp": "2021-03-11T14:41:00Z",

            "fromStateId": 1,

            "fromStateName": "ENTERPRISE-INVENTORY",

            "toStateId": 2,

            "toStateName": "TRIAL",

            "subscriptionLcStateModelId": 4

}, {

            "id": 50,

            "tenantId": "21",

            "accountId": null,

            "allowed": true,

            "creationTimestamp": "2021-03-11T14:41:00Z",
```

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| API Interface | Allowed SIM State Transitions |
|---|---|
| | "modificationTimestamp": "2021-03-11T14:41:00Z",<br>"fromStateId": 8,<br>"fromStateName": "DEACTIVATED",<br>"toStateId": 9,<br>"toStateName": "RETIRED",<br>"subscriptionLcStateModelId": 4<br>}, {<br>"id": 11,<br>"tenantId": "21",<br>"accountId": null,<br>"allowed": true,<br>"creationTimestamp": "2021-03-11T14:41:00Z",<br>"modificationTimestamp": "2021-03-11T14:41:00Z",<br>"fromStateId": 1,<br>"fromStateName": "ENTERPRISE-INVENTORY",<br>"toStateId": 3,<br>"toStateName": "ACTIVE",<br>"subscriptionLcStateModelId": 4<br>}, {<br>"id": 12,<br>"tenantId": "21",<br>"accountId": null,<br>"allowed": true,<br>"creationTimestamp": "2021-03-11T14:41:00Z",<br>"modificationTimestamp": "2021-03-11T14:41:00Z",<br>"fromStateId": 3,<br>"fromStateName": "ACTIVE",<br>"toStateId": 4,<br>"toStateName": "SUSPENDED",<br>"subscriptionLcStateModelId": 4<br>}, {<br>"id": 13,<br>"tenantId": "21",<br>"accountId": null,<br>"allowed": true,<br>"creationTimestamp": "2021-03-11T14:41:00Z",<br>"modificationTimestamp": "2021-03-11T14:41:00Z",<br>"fromStateId": 3,<br>"fromStateName": "ACTIVE", |

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| API Interface | Allowed SIM State Transitions |
|---|---|
| | "toStateId": 8,<br><br>"toStateName": "DEACTIVATED",<br><br>"subscriptionLcStateModelId": 4<br><br>}, {<br><br>"id": 15,<br><br>"tenantId": "21",<br><br>"accountId": null,<br><br>"allowed": true,<br><br>"creationTimestamp": "2021-03-11T14:41:00Z",<br><br>"modificationTimestamp": "2021-03-11T14:41:00Z",<br><br>"fromStateId": 4,<br><br>"fromStateName": "SUSPENDED",<br><br>"toStateId": 3,<br><br>"toStateName": "ACTIVE",<br><br>"subscriptionLcStateModelId": 4<br><br>}, {<br><br>"id": 16,<br><br>"tenantId": "21",<br><br>"accountId": null,<br><br>"allowed": true,<br><br>"creationTimestamp": "2021-03-11T14:41:00Z",<br><br>"modificationTimestamp": "2021-03-11T14:41:00Z",<br><br>"fromStateId": 4,<br><br>"fromStateName": "SUSPENDED",<br><br>"toStateId": 8,<br><br>"toStateName": "DEACTIVATED",<br><br>"subscriptionLcStateModelId": 4<br><br>}] |
| 401 - Unauthorized | Not Authenticated |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 5.7 Update Billing State API

**Description:**

This API triggers a workflow in the system and returns a unique batch identifier. This UUID can be used in other APIs to check the progress of the workflow.

| API Interface | Update Billing State | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/sim/update_state | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>"iccid":"89556440998907000001",<br>"imsi":"234500001087001",<br>"newState":"ACTIVE",<br>"newStateId":3<br>} |
| Response | Content Type | Text |
| HTTP Status | 202 - Accepted | f80120c0-e444-47de-8dfe-a2e6c6e83f36 |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a POST request to the */update-state.*

The response contains a unique batch UUID for the request.

Use "Workflow Status API" to monitor the status of the workflow.

Example:

curl –location –request POST '[https://{baseURL}/api/{version}/sim/update_state](https://{baseURL}/api/{version}/sim/update_state)' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --data-raw `'{Your input}'`

The following table explains the parameters used in the API:

| Parameter | Type | Requirement | Description |
|---|---|---|---|
| iccid | integer | Mandatory | ICCID value |
| imsi | integer | Mandatory | IMSI value |
| newState | String | Mandatory | One of the values - <mark>{ACTIVE, CONDITIONAL-SUSPEND, DEACTIVATED, SUSPENDED, RETIRED, TRIAL</mark>} |
| newStateId | integer | Mandatory | One of the values - <br><mark>State ID</mark> <mark>State Name</mark><br><mark>1</mark> <mark>ENTERPRISE-INVENTORY</mark><br><mark>4</mark> <mark>SUSPENDED</mark><br><mark>5</mark> <mark>REGULATORY-HOLD</mark><br><mark>6</mark> <mark>CSP-HOLD</mark><br><mark>7</mark> <mark>CONDITIONAL-SUSPEND</mark><br><mark>8</mark> <mark>DEACTIVATED</mark><br><mark>9</mark> <mark>RETIRED</mark><br><mark>10</mark> <mark>DEALLOCATED</mark><br><mark>2</mark> <mark>TRIAL</mark><br><mark>3</mark> <mark>ACTIVE</mark> |

## 5.8 BatchId Status API

**Description:**

This API is used to get the current status of the batchId. Different batch tasks can be tracked using this API.

| API Interface | Workflow Status API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/sim/{batchId} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |

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| API Interface | Workflow Status API | |
|---|---|---|
| HTTP Status | 200 - OK | {<br>    "ownerApp": "",<br>    "createTime": 1615185923782,<br>    "updateTime": 1615185925104,<br>    "status": "COMPLETED",<br>    "endTime": 1615185925104,<br>    "workflowId": "53cdc2a6-cf6c-4ed1-abcc-1901a2c0e625",<br>    "tasks": [<br>        {<br>            "taskType": "sim_lc_update_state_task",<br>            "status": "COMPLETED",<br>            "inputData": {<br>                "iccid": "integer",<br>                "state": "SUSPENDED"<br>            },<br>            "referenceTaskName": "sim_lc_update_state_task",<br>            "retryCount": 0,<br>            "seq": 1,<br>            "pollCount": 1,<br>            "taskDefName": "sim_lc_update_state_task",<br>            "scheduledTime": 1615185923806,<br>            "startTime": 1615185923863,<br>            "endTime": 1615185923987,<br>            "updateTime": 1615185923863,<br>            "startDelayInSeconds": 0,<br>            "retried": false,<br>            "executed": true,<br>            "callbackFromWorker": true,<br>            "responseTimeoutSeconds": 30,<br>            "workflowInstanceId": "53cdc2a6-cf6c-4ed1-abcc-1901a2c0e625",<br>            "workflowType": "update_sim_state_wf",<br>            "taskId": "448dddb0-198e-4384-a560-ef2b4ac44a06",<br>            "callbackAfterSeconds": 0,<br>            "workerId": "elektra-app-1",<br>            "outputData": {<br>                "action": {<br>                    "action": "bar"<br>                }, |

| API Interface | Workflow Status API |
|---|---|
| | "message": "Success",<br>"statusCode": 200<br>} |
| | **401 - Unauthorized** — Not Authenticated |
| | **403 - Forbidden** — User does not have permissions to perform the request. |
| | **429 - Too Many Requests** — Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | **404 - Not Found** — The requested resource does not exist. |
| | **500, 502, 503, 504 - Server Errors** — Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a GET request to the **/{batch id}.**

The response is a JSON object.

"status" represents the status of the workflow.

Example:

curl –location –request GET '<u>https://{baseURL}/api/{version}/sim/{batch id}</u>' --header **'Authorization: Bearer <JWT-TOKEN>'** --header **'Account-Context-Id: <ACCOUNT_ID>'**

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| status | String | COMPLETED, PARTIALLY COMPLETED, FAILED |
| taskType | String | Batch uid task |
| startTime | integer | Start time for the task |
| endTime | integer | End time for the task |
| updateTime | integer | Update time for the task |

## 5.9  Assign APN (APN Group) to SIM

**Description:**

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This API triggers a workflow in the system and returns a unique batch identifier. This UUID can be used in other APIs to check the progress of the workflow.

Prior to running this API, user is advised to run the following APIs to get the data required to accomplish this task of assigning APN (APN Group) to SIM.

- Account Query API (https://{baseURL}/api/{version}/accounts/account) - To get Account ID
- Fetch Account APN Group (https://{baseURL}/api/{version}/accounts/address/{id}/apnGroup)

| API Interface | Assign APN (APN Group) to SIM | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/sim/assign_apn | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {     "iccid": "8955644099890089041",     "imsi": "234500001179041",     "apnGroupId": 1391,     "accountId": 3241,     "tenantId": "21" } |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | f80120c0-e444-47de-8dfe-a2e6c6e83f36 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes: Send a PUT request to the **/assign_apn** The response contains a unique batch UUID for the request. Use "Workflow Status API" to monitor the status of the workflow. | | |

| API Interface | Assign APN (APN Group) to SIM |
|---|---|
| Example:<br><br>```<br>curl –location –request PUT 'https://{baseURL}/api/{version}/sim/assign_apn' --header 'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id: <ACCOUNT_ID>' --data-raw '{Your input}'<br>``` | |

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| iccid | integer | ICCID value |
| imsi | integer | IMSI value |
| apnGroupId | integer | APN Group ID |
| accountId | integer | Account ID |
| tenantId | string | Tenant ID |

# 5.10 Assign Service Profile (Network Profile) to SIM

**Description:**

This API triggers a workflow in the system and returns a unique batch identifier. This UUID can be used in other APIs to check the progress of the workflow.

Prior to running this API, user is advised to fetch the account ID and service profile ID using the following APIs in a sequence.

- Account Query API (https://{baseURL}/api/{version}/accounts/account)
- Service Profile Resources Query API (https://{baseURL}/api/{version}/accounts/account/{accountId}/resources?resourceType.equals=SERVICE-PROFILE ) - To get Service Profile ID

| API Interface | Assign Service Profile to SIM |
|---|---|
| URL | https://{baseURL}/api/{version}/sim/assign_service_profile |
| Request | Method: POST, Content type: application/json |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Assign Service Profile to SIM | |
|---|---|---|
| body | { | |
| |   "iccid": "integer", | |
| |   "imsi": "integer", | |
| |   "serviceProfileId": "integer" | |
| | } | |

| Response | Content Type | Text |
|---|---|---|
| HTTP Status | 202 - OK | f80120c0-e444-47de-8dfe-a2e6c6e83f36 |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Notes:

Send a POST request to the */assign_service_profile*

The response contains a unique batch UUID for the request.

Use "Workflow Status API" to monitor the status of the workflow.

Example:

```
curl –location –request POST 'https://{baseURL}/api/{version}/sim/assign_service_profile' --header
'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header
'Account-Context-Id: <ACCOUNT_ID>' --data-raw '{Your input}'
```

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| iccid | integer | ICCID value |
| imsi | integer | IMSI value |
| serviceProfileId | integer | Service Profile ID |

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# 5.11 Change Rate Plan

**Description:**

Prior to running this API, user is advised to fetch the account ID and rate plan ID using the following APIs in a sequence.

- Account Query API (https://{baseURL}/api/{version}/accounts/account)

- Rate Plan Resources Query API (https://{baseURL}/api/{version}/accounts/account/{accountId}/resources) - To get Rate Plan ID

| API Interface | Assign Rate Plan to SIM | | |
|---|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/sims/rateplan | | |
| Request | Method: PUT, Content type: application/json | | |
| | Header | 'Authorization: Bearer <ACCESS_TOKEN>'<br><br>'Account-Context-Id: <ACCOUNT_ID>' | |
| | Body | {<br>   "iccid": "integer",<br>   "ratePlanId": "integer",<br>   "accountId": "integer"<br>} | |
| | Request Parameter | {"iccid":"8955644099880275001","ratePlanId":200468,"accountId":7189,"row":{"account_account_state":"ACTIVE","account_id":7189,"account_name":"Deepthi 10k SIMs","apn_group_id":3553,"apn_group_name":"Check12","custom_fields":"[{\"id\": 359801, \"value\": \"\"}, {\"id\": 2152711, \"value\": \"\"}, {\"id\": 2152156, \"value\": \"\"}, {\"id\": 2379901, \"value\": \"\"}, {\"id\": 2379152, \"value\": \"\"}, {\"id\": 2379902, \"value\": \"\"}, {\"id\": 2421103, \"value\": \"\"}, {\"id\": 2442451, \"value\": \"\"}]","iccid":"8955644099880275001","id":2246904,"imsi":"234500000875001","msisdn":"882362000275001","network_profile_id":4020701,"network_profile_name":"ALL SERVICES ENABLED","rate_plan_id":199706,"rate_plan_name":"PMSOLO1101","rate_plan_subscription_type":"Pay Monthly","rate_plan_type":"Individual","roaming_profile_id":1087253,"roaming_profile_rp_name":"ALLPLMN","session_states_id":null,"activation_time":"2023-01-30T06:25:37.022482","state_model_id":4,"state_change_lock":false,"state_change_reason":"USER_ACTION","state_id":3,"state_name":"ACTIVE","tags":"23 june 1,17th june pub,alltag2","tenant_id":"21","ip_address":null,"last_used_imei":null,"data_usage_online":null,"group_id":null,"group_name":null}} |
| Response | Content Type | Text | |

| API Interface | Assign Rate Plan to SIM | |
|---|---|---|
| HTTP Status | 200 - OK | JWT token |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Example:<br><br>`curl –location –request POST` '[https://{baseURL}/api/{version}/subscription/sims/rateplan'](https://{baseURL}/api/{version}/subscription/sims/rateplan') `--header` `'Authorization: Bearer <JWT-TOKEN>'` `--header` `'Content-Type: application/json'` `--header` `'Account-Context-Id: <ACCOUNT_ID>'` `--data-raw '{Your input}'` | | |

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| Iccid | integer | ICCID value |
| ratePlanId | integer | Rate Plan ID |
| accountId | integer | Account ID |

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# 5.12 Assign Roaming Profile to SIM

**Description:**

This API triggers a workflow in the system and returns a unique batch identifier. This UUID can be used in other APIs to check the progress of the workflow.

- Account Query API ([https://{baseURL}/api/{version}/accounts/account](https://{baseURL}/api/{version}/accounts/account))

- Roaming Profile Resources Query API ([https://{baseURL}/api/{version}/accounts/account/{accountId}/resources)](https://{baseURL}/api/{version}/accounts/account/{accountId}/resources)) - To get Roaming Profile ID

| API Interface | Assign Roaming Profile to SIM | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/sim/assign_roaming_profile | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "iccid": "integer",<br>  "roamingProfileId": "integer"<br>} |
| Response | Content Type | Text |
| HTTP Status | 202 - OK | f80120c0-e444-47de-8dfe-a2e6c6e83f36 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Send a POST request to the **/assign_roaming_profile_sim_wf**<br><br>The response contains a unique batch UUID for the request.<br><br>Use "Workflow Status API" to monitor the status of the workflow. | | |

| API Interface | Assign Roaming Profile to SIM |
|---|---|
| Example:<br><br>`curl –location –request POST '`https://{baseURL}/api/{version}/sim/assign_roaming_profile`' --header 'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --header 'Account-Context-Id: <ACCOUNT_ID>' --data-raw '{Your input}'` | |

The following table explains the parameters used in the API:

| Parameter | Type | Description |
|---|---|---|
| iccid | integer | ICCID value |
| roamingProfileId | integer | Roaming Profile ID |

# 5.13 Send SMS API

**Description:**

This API sends SMS to the selected SIM(s).

Prior to running this API, user is advised to establish an SMPP connection towards the SMS Server.

| API Interface | Send SMS to SIM | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/notification/sms/sendsms | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "to":"<MSIDN_1, MSIDN_2, MSIDN_3, MSIDN_4>",<br>    "message":"<YOUR MESSAGE>"<br>} |
| Response | Content Type | Text |
| HTTP Status | 202 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Send SMS to SIM | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 5.14 Move SIMs API

## 5.14.1 Move SIMs by ICCID Range

| API Interface | Move SIMs by ICCID Range | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/resources/batch/sims/assign?reassign=true | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>’`<br><br>`'Account-Context-Id: <ACCOUNT_ID>’` |

| API Interface | Move SIMs by ICCID Range |
|---|---|
| body | {<br>　　"accountId": 3418,<br>　　"accountName": "BulkOperations",<br>　　"fromAccountId": 3992,<br>　　"fromAccountName": "Deeps",<br>　　"tenantId": "21",<br>　　"apnGroupId": 1386,<br>　　"apnIds": [1094202],<br>　　"serviceProfileId": 1088907,<br>　　"roamingProfileId": 1091802,<br>　　"rateplanId": 1012,<br>　　"useImsi": false,<br>　　"range": {<br>　　　　"start": "8955644099890130624",<br>　　　　"end": "8955644099890130624"<br>　　},<br>　　"iccidRange": {<br>　　　　"start": "8955644099890130624",<br>　　　　"end": "8955644099890130624"<br>　　},<br>　　"imsiRange": null<br>} |

| Response | Content Type | Text |
|---|---|---|
| HTTP Status | 202 - Accepted | 3a4781d0-b55e-4c05-ac0e-b1ffbfa8bf18 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

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## 5.14.2 Move SIMs by IMSI Range

| API Interface | Move SIMs by IMSI Range | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/resources/batch/sims/assign?reassign=true | |
| Request | Method: POST, Content type: application/json | |
| | header | 'Authorization: Bearer <ACCESS_TOKEN>'<br>'Account-Context-Id: <ACCOUNT_ID>' |
| | body | { <br>    "accountId": 3418,<br>    "accountName": "BulkOperations",<br>    "fromAccountId": 3992,<br>    "fromAccountName": "Deeps",<br>    "tenantId": "21",<br>    "apnGroupId": 1386,<br>    "apnIds": [1094202],<br>    "serviceProfileId": 1088907,<br>    "roamingProfileId": 1091802,<br>    "rateplanId": 1012,<br>    "useImsi": true,<br>    "range": {<br>        "start": "234500001310625",<br>        "end": "234500001310625"<br>    },<br>    "iccidRange": null,<br>    "imsiRange": {<br>        "start": "234500001310625",<br>        "end": "234500001310625"<br>    }<br>} |
| Response | Content Type | Text |
| HTTP Status | 202 - Accepted | 5d4c0bc5-161a-4a4f-9e35-bdd0e55ffbe0 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Move SIMs by IMSI Range | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 5.15 Tags API

## 5.15.1 Create Tag API

| API Interface | Create Tag API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/tags | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "name": "Tag1",<br>    "description": "mar 28",<br>    "visibilty": "Public"<br>} |
| Response | Content Type | application/json |
| HTTP Status | 202 - OK | {<br>    "id": 285452,<br>    "tenantId": "21",<br>    "name": "Tag1",<br>    "description": "mar 28",<br>    "visibilty": "Public",<br>    "accountId": null,<br>    "userId": "1bc17bfa-ad94-47ef-b750-259ca369161c",<br>    "creationTimestamp": "2022-03-28T05:42:23.481543Z",<br>    "modificationTimestamp": null<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Create Tag API | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.15.2 Update Tag API

| API Interface | Update Tag API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/tags | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { <br> "name": "Mar11 reg", <br> "description": "Mar11 reg public tag ", <br> "visibilty": "Public", <br> "id": 3023351, <br> "accountId": "2" <br> } |
| Response | Content Type | application/json |
| HTTP Status | 202 - OK | { <br> "id": 3023351, <br> "tenantId": "1", <br> "name": "Mar11 reg", <br> "description": "Mar11 reg public tag ", <br> "visibilty": "Public", <br> "accountId": "2", <br> "userId": "b5734239-1f10-45cf-8926-fb6859275b76", <br> "creationTimestamp": "2022-03-11T14:01:49.283312Z", <br> "modificationTimestamp": "2022-03-21T11:36:50.491216Z" <br> } |
| | 401 - Unauthorized | No valid JWT token provided. |

| API Interface | Update Tag API | |
|---|---|---|
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

### 5.15.3  Delete Tag API

| API Interface | Delete Tag API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/tags/3259401 | |
| Request | Method: DELETE, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 204 – No Content | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

### 5.15.4  Assign Tag API

| API Interface | Assign Tag API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/assignTags | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Assign Tag API | |
|---|---|---|
| | body | {<br><br>       "subscriptionIccIdList": ["8955644099100000914"],<br><br>       "tagIdList": [3259402]<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 202 - OK | [{<br><br>       "iccid": "8955644099100000914",<br><br>       "type": "success",<br><br>       "tag": "API",<br><br>       "message": "Assigned"<br><br>}] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.15.5   Add Multiple Tags API

| API Interface | Add Multiple Tags API | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/subscription/assignTags | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br><br>       "subscriptionIccIdList": ["8955644099100000914"],<br><br>       "tagIdList": [2443051, 2443151, 2443303, 2443002]<br><br>} |
| Response | Content Type | application/json |

| API Interface | Add Multiple Tags API | |
|---|---|---|
| HTTP Status | 202 - OK | [{<br><br>        "iccid": "8955644099100000914",<br><br>        "type": "success",<br><br>        "tag": "Test Tag1",<br><br>        "message": "Assigned"<br><br>}, {<br><br>        "iccid": "8955644099100000914",<br><br>        "type": "success",<br><br>        "tag": "NFT Tag",<br><br>        "message": "Assigned"<br><br>}, {<br><br>        "iccid": "8955644099100000914",<br><br>        "type": "success",<br><br>        "tag": "stt",<br><br>        "message": "Assigned"<br><br>}, {<br><br>        "iccid": "8955644099100000914",<br><br>        "type": "success",<br><br>        "tag": "tag123",<br><br>        "message": "Assigned"<br><br>}] |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 5.16 Custom Fields at SIM Level

## 5.16.1 Create Custom Fields at SIM Level

**Description:**

This API can be used to create custom fields at SIM level.

| API Interface | Create Custom Fields at SIM Level | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/customfield | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "name": "SC1",<br>    "description": "asdf",<br>    "type": "Text",<br>    "isPropagated": true<br>} |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | {<br>    "id": 341706,<br>    "name": "SC1",<br>    "type": "Text",<br>    "tenantId": "21",<br>    "description": "asdf",<br>    "isPropagated": true,<br>    "accountId": "3907",<br>    "userId": "1bc17bfa-ad94-47ef-b750-259ca369161c",<br>    "creationTimestamp": "2022-05-05T02:56:37",<br>    "modificationTimestamp": "2022-05-05T02:56:37"<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Create Custom Fields at SIM Level |
|---|---|
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.16.2 Edit Custom Fields at SIM Level

**Description:**

This API can be used to edit custom fields at SIM level.

| API Interface | Edit Custom Fields at SIM Level | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/customfield | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { <br>    "name": "SC1", <br>    "description": "asdfG", <br>    "type": "Text", <br>    "isPropagated": false, <br>    "id": 341706 <br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { <br>    "id": 341706, <br>    "name": "SC1", <br>    "type": "Text", <br>    "tenantId": "21", <br>    "description": "asdfG", <br>    "isPropagated": true, <br>    "accountId": "3907", <br>    "userId": "1bc17bfa-ad94-47ef-b750-259ca369161c", <br>    "creationTimestamp": "2022-05-05T02:56:37", <br>    "modificationTimestamp": "2022-05-05T02:56:37" <br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Edit Custom Fields at SIM Level | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.16.3   Delete Custom Fields at SIM Level

**Description:**

This API can be used to delete custom fields at SIM level.

| API Interface | Delete Custom Fields at SIM Level | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/customfield/341707 | |
| Request | Method: DELETE, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | Custom Field Deleted Successfully. |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.16.4   Update Custom Fields at SIM Level

**Description:**

This API can be used to update custom fields at SIM level.

| API Interface | Update Custom Fields at SIM Level |
|---|---|
| URL | https://{baseURL}/api/{version}/customfield/updateSubscriptionCustomField/285706 |

| API Interface | Update Custom Fields at SIM Level | |
|---|---|---|
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "id": 338953,<br>    "name": "bulk CF2",<br>    "type": "Date",<br>    "value": "2022-05-05"<br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | Custom Field Updated Successfully. |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.17 Reading CDR for Data

| API Interface | Reading CDR for Data |
|---|---|
| URL | https://{baseURL}/api/{version}/cdr-hdlr-service/cdr-data?msisdn=<string>&startDateTime=<ISODateString>&endDateTime=<ISODateString>&page=<int>&size=<int> |
| Request | Method: GET, Content type: application/json |
| | header |

| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
|---|---|---|

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| API Interface | Reading CDR for Data | |
|---|---|---|
| | Request Parameter | msisdn: \<string\> <br><br> startDateTime: \<isodatestring\> <br><br> startDateTime: \<isodatestring\> <br><br> page: \<integer\> <br><br> size: \<integer\> |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | [{ <br><br>        "id": 110748, <br><br>        "recordType": "INITIATE_REQUEST", <br><br>        "tenantId": "21", <br><br>        "brandId": "3439", <br><br>        "offerId": null, <br><br>        "servedIMSI": "234500001200001", <br><br>        "chargingId": "www.seagull.com;wawdev03;37a53799;5b6c00cc;240000000000115", <br><br>        "servingNodeAddress": "10.189.61.238", <br><br>        "accessPointName": "uscc05045.enterprise3.usc-cdp.mnc078.mcc901.gprs", <br><br>        "pdpPDNType": "0", <br><br>        "servedPDPPDNAddress": "10.185.241.161", <br><br>        "servedPDPPDNAddressExtension": null, <br><br>        "dynamicAddressFlag": "1", <br><br>        "recordOpeningTime": "2022-02-17T09:25:38", <br><br>        "duration": null, <br><br>        "causeForRecClosing": null, <br><br>        "recordSequenceNumber": "0", <br><br>        "nodeID": "Rest.Gateway", <br><br>        "sequenceNumber": null, <br><br>        "apnSelectionMode": null, <br><br>        "servedMSISDN": "882362001200001", <br><br>        "chargingCharacteristics": null, <br><br>        "chargingCharacteristicsSelectionMode": null, <br><br>        "servedIMEISV": "2400000000001140", <br><br>        "servingNodePLMNIdentifier": "901078", <br><br>        "rATType": "6", <br><br>        "mSTimeZone": "GMT+0", <br><br>        "userLocationInformation": "135122002A9322", |

| API Interface | Reading CDR for Data |
|---|---|
| | "ratingGroup": "0",<br><br>"chargingRuleBaseName": null,<br><br>"resultCode": "2001",<br><br>"localSequenceNumber": null,<br><br>"timeOfFirstUsage": null,<br><br>"timeOfLastUsage": null,<br><br>"timeUsage": null,<br><br>"serviceConditionChange": null,<br><br>"qCI": null,<br><br>"aRP": null,<br><br>"listOfServiceDataSgsnAddress": null,<br><br>"dataVolumeFBCUplink": null,<br><br>"dataVolumeFBCDownlink": null,<br><br>"timeOfReport": null,<br><br>"failureHandlingContinue": null,<br><br>"servingNodeType": "SGSN",<br><br>"startTime": "2022-02-17T09:25:38Z",<br><br>"endTime": null,<br><br>"intermediate_Usage": "0",<br><br>"finalUsage": null,<br><br>"subscriptionID": null,<br><br>"reserved1": null,<br><br>"reserved2": null,<br><br>"reserved3": null,<br><br>"reserved4": null,<br><br>"reserved5": null,<br><br>"reserved6": null,<br><br>"reserved7": null,<br><br>"imsiunathenticatedFlag": null,<br><br>"pgwaddress": null,<br><br>"pgwplmnidentifier": "901078",<br><br>"tadigcode": null,<br><br>"imssignallingContext": null<br><br>}, {<br><br>"id": 110749,<br><br>"recordType": "UPDATE_REQUEST",<br><br>"tenantId": "21",<br><br>"brandId": "3439",<br><br>"offerId": null, |

| API Interface | Reading CDR for Data |
|---|---|
| | "servedIMSI": "234500001200001",<br><br>"chargingId":<br>"www.seagull.com;wawdev03;37a53799;5b6c00cc;240000000000115",<br><br>"servingNodeAddress": "10.189.61.238",<br><br>"accessPointName": "elektratest",<br><br>"pdpPDNType": "0",<br><br>"servedPDPPDNAddress": "10.185.241.161",<br><br>"servedPDPPDNAddressExtension": null,<br><br>"dynamicAddressFlag": "1",<br><br>"recordOpeningTime": "2022-02-17T09:25:41",<br><br>"duration": null,<br><br>"causeForRecClosing": null,<br><br>"recordSequenceNumber": "2",<br><br>"nodeID": "Rest.Gateway",<br><br>"sequenceNumber": null,<br><br>"apnSelectionMode": null,<br><br>"servedMSISDN": "882362001200001",<br><br>"chargingCharacteristics": null,<br><br>"chargingCharacteristicsSelectionMode": null,<br><br>"servedIMEISV": "2400000000001140",<br><br>"servingNodePLMNIdentifier": "901078",<br><br>"rATType": "6",<br><br>"mSTimeZone": "GMT+0",<br><br>"userLocationInformation": "135122002A9322",<br><br>"ratingGroup": "0",<br><br>"chargingRuleBaseName": null,<br><br>"resultCode": "2001",<br><br>"localSequenceNumber": null,<br><br>"timeOfFirstUsage": null,<br><br>"timeOfLastUsage": null,<br><br>"timeUsage": null,<br><br>"serviceConditionChange": null,<br><br>"qCI": null,<br><br>"aRP": null,<br><br>"listOfServiceDataSgsnAddress": null,<br><br>"dataVolumeFBCUplink": null,<br><br>"dataVolumeFBCDownlink": null,<br><br>"timeOfReport": null, |

| API Interface | Reading CDR for Data | |
|---|---|---|
| | | "failureHandlingContinue": null, <br> "servingNodeType": "SGSN", <br> "startTime": "2022-02-17T09:25:38Z", <br> "endTime": null, <br> "intermediate_Usage": "1048576", <br> "finalUsage": null, <br> "subscriptionID": null, <br> "reserved1": null, <br> "reserved2": null, <br> "reserved3": null, <br> "reserved4": null, <br> "reserved5": null, <br> "reserved6": null, <br> "reserved7": null, <br> "imsiunathenticatedFlag": null, <br> "pgwaddress": null, <br> "pgwplmnidentifier": "901078", <br> "tadigcode": null, <br> "imssignallingContext": null <br> }] |
| | 401 - Unauthorized | Not Authenticated |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Example:

curl –location –request GET 'https://{baseURL}/api/{version}/cdr-hdlr-service/cdr-data?msisdn=<msisdn>&startDateTime=<startDateTime>&endDateTime=<endDateTime>&page=0&size=50' --header `'Authorization: Bearer <JWT-TOKEN>'` --header '`Content-Type: application/json`' --header `'Account-Context-Id: <ACCOUNT_ID>'`

"msisdn" is string
"startDateTime" is date-time in iso format (yyyy-MM-dd'T'HH:mm:ss'Z')
"endDateTime" is date-time in iso format (yyyy-MM-dd'T'HH:mm:ss'Z')

# 5.18 Send Cancel Location of SIM

**Description:**

This API can be used to send the cancel location of 3G , 4G, or both SIM types.

| API Interface | Send Cancel Location of SIM | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/diagnostics/subscription/cancel_location | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Body | {"imsi":"{IMSI}","cancelLocType":"{all/3G/4G}"} |
| Response | Content Type | Text |
| HTTP Status | 200 – OK | 2c236a87-a3e4-463a-baf9-ded07834c594 |

Notes:

Send a POST request to the **/diagnostics/subscription/cancel_location**

The response contains a unique batch UUID for the request.

Use "Workflow Status API" to monitor the status of the workflow.

Example:

```
curl –location –request POST 'https://{baseURL}/api/{version}/diagnostics/subscription/cancel_location'
--header 'Authorization: Bearer <JWT-TOKEN>' --header 'Content-Type: application/json' --
header 'Account-Context-Id: <ACCOUNT_ID>' --data-raw '{Your input}'
```

New APIs Added FEB 10

# 5.19  Status

**Description:**

This API is used to get the status of above operation, needs to pull this API until status is "failed or completed".

| API Interface | Status |
|---|---|
| URL | https://wdh-sitstg2.nokiawing.com/api/v1/sim/<id>?includeTasks=false |
| Request | Method: GET |

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| API Interface | Status | |
|---|---|---|
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | {<br>  "ownerApp": "",<br>  "createTime": 1673528713035,<br>  "updateTime": 1673528713202,<br>  "status": "RUNNING",<br>  "endTime": 0,<br>  "workflowId": "0336e8b6-b108-4eaf-9d53-3610cb3276b7",<br>  "tasks": [],<br>  "input": {<br>    "imsi": "234500001310870",<br>    "cancelLocType": "4G"<br>  },<br>  "output": {},<br>  "taskToDomain": {},<br>  "failedReferenceTaskNames": [],<br>  "workflowDefinition": {},<br>  "priority": 0,<br>  "variables": {},<br>  "lastRetriedTime": 0,<br>  "workflowName": "cancel_location_wf",<br>  "workflowVersion": 3,<br>  "startTime": 1673528713035<br>} |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Status | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 5.20  Update Group

**Description:**

This API can be used to update group.

| API Interface | Update Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/api/sims/group | |
| Request | Method: PUT, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Body | {<br>  "accountId": 69,<br>  "iccid": "8955644099890130108",<br>  "imsi": "234500001310108",<br>  "groupId": **5053**<br>} |
| Response | Content Type |  application/json |
| HTTP Status | 200 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br>In case of remove group from sim, | | |

| API Interface | Update Group |
|---|---|
| groupId will be Empty/null in body.<br><br>{<br><br>  "accountId": 69,<br><br>  "iccid": "8955644099890130108",<br><br>  "imsi": "234500001310108",<br><br>  "groupId": null<br><br>} | |

## 5.21  Get Subscriptions by ID/Includes

**Description:**

This API can be used to fetch subscriptions by ID/Includes.

| API Interface | Get Subscriptions by ID / Includes | |
|---|---|---|
| URL | https: ://{baseURL}/api/{version}/graphql | |
| Request | Method: GET Graph QL | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Query Parameter | group_id,<br>     account {<br>      account_state<br>      tbl_groups {<br>       name<br>       id<br>      } |
| | Request Parameter | query GetSubscriptionsById {<br><br>    simlcmanagement_subscription_identity(where:<br><br>      {_and:[<br><br>       {id:{_eq:"2143820"}},<br><br>       {account_id:{_eq:"6501"}},<br><br>       {tenant_id:{_eq:"21"}},<br><br>      ]}){id ,account_id ,account_name,iccid,imsi,msisdn,rate_plan_id,state_change_reason,<br><br>      apn_group_id,network_profile_id,roaming_profile_id,<br>state_id,state_model_id,eid, custom_fields, state_change_lock,lc_state_insync |

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| API Interface | Get Subscriptions by ID / Includes |
|---|---|
| | network_profile { |
| |   name |
| |   rat_type |
| |   }, |
| | apn_group { |
| |   apn_group_name |
| |   }, |
| | roaming_profile{ |
| |   rp_name |
| |   }, |
| | rate_plan { |
| |   name |
| |   plan_type |
| |   subscription_type |
| |   }, |
| | state { |
| |   name |
| |   }, |
| | subscription_tag_associations { |
| |   id, |
| |   tag { |
| |     name |
| |     id |
| |   } |
| | }, |
| | group_id, |
| | account { |
| |   account_state |
| |   tbl_groups { |
| |     name |
| |     id |
| |   } |
| |   account_name : name |
| | }, |
| | session_states(limit: 1,order_by: {id: desc}) { |
| |  id |

| API Interface | Get Subscriptions by ID / Includes | |
|---|---|---|
| | session_id<br><br>session_start_time<br><br>session_end_time<br><br>user_location_info<br><br>sgsn_address<br><br>sgsn_mcc_mnc<br><br>pdp_address<br><br>rat_type<br><br>access_point_name<br><br>input_usage_accumulation<br><br>output_usage_accumulation<br><br>  }<br><br>       data_usage_online {<br><br> accumulated_usage<br><br>},<br><br>       }<br><br>       } | |
| **Response** | Content Type | application/json |
| **HTTP Status** | 200 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.22  Bulk SIM Subscription Group Assign

**Description:**

This API can be used to create bulk SIM subscriptions by group assignment.

| API Interface | Bulk SIM Subscription Group Assign | |
|---|---|---|
| URL | https: ://{baseURL}/api/{version}/resources/batch/sims/update/group/list | |
| Request | Method: POST | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Request Parameter | {"iccid":["1955644099890004091","1955644099890004093","8955644500001090062","8955644500001090066"],"accountId":6501,"groupId":18401} |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.23  Group Subscriptions Single SIM

**Description:**

This API can be used to add group subscriptions to single SIM.

| API Interface | Group Subscription Single SIM | |
|---|---|---|
| URL | https: ://{baseURL}/api/{version}/subscription/sims/group | |
| Request | Method: PUT | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Request Parameter | {"iccid":"1955644099890004111","imsi":"234509001014111","accountId":6501,"groupId":18351} |
| Response | Content Type | application/json |

| API Interface | Group Subscription Single SIM | |
|---|---|---|
| HTTP Status | 200 – OK | |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 5.24 Get Audit History - SIM Life Cycle

**Description:**

This API is used to get the audit history for provided imsi.

| API Interface | Get Audit History | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/getAuditTrail/{imsi}/{no of days} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | [<br><br>{<br><br>     "accountName": "Sample12",<br><br>     "userId": null,<br><br>     "action": "SIM_APNGROUP_CHANGE",<br><br>     "preValue": "\"Check12\"",<br><br>     "newValue": "\"NokiaWlng\"",<br><br>     "status": "FAILED",<br><br>     "dateExecution": "2023-02-21T11:06:28.655"<br><br>}.......<br><br>] |

| API Interface | Get Audit History | |
|---|---|---|
| | | Data Types<br><br>String accountName;<br><br>String userId;<br><br>String action;<br><br>String preValue;<br><br>String newValue;<br><br>String status;<br><br>Date dateExecution; |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 6

## Automation Rules API

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# 6 Automation Rules API

## 6.1 Automation Rules for Resource Type Accounts

### 6.1.1 Create Automation Rule for Accounts

| API Interface | Create Automation Rule for Accounts |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules |
| Request | Method: POST, Content type: application/json |

| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
|---|---|---|
| | body | {<br>    "ruleName": "API-Create",<br>    "endDate": "2022-05-31T00:00:00.000Z",<br>    "tenantId": "21",<br>    "resourceId": 1,<br>    "resourceName": "Account",<br>    "resourceMode": null,<br>    "resourceModeId": null,<br>    "resourceModeName": null,<br>    "resourceDetail1": 3339,<br>    "allItemEnabled": false,<br>    "monitoredTriggers": [{<br>        "triggerTypeName": "",<br>        "triggerId": 32,<br>        "triggerName": "Active Subscription Count",<br>        "condition": {<br>            "value": "1",<br>            "unit": "",<br>            "location": "ALL",<br>            "locationId": "",<br>            "locationValue": "",<br>            "country": "",<br>            "zone": ""<br>        } |

| API Interface | Create Automation Rule for Accounts | |
|---|---|---|
| | | }],<br>"notifications": [{<br>    "id": "32",<br>    "name": "Send Email",<br>    "subject": "Active Subscription Count (Account: {name})",<br>    "receipient": "string",<br>    "message": "The Account ({name}) has reached the configured threshold ({value}) for Active Subscription Count"<br>}],<br>"actions": [{<br>    "name": "None"<br>}],<br>"accountId": 3339<br>} |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | {<br>    "id": 2801,<br>    "ruleName": "API-Create",<br>    "description": null,<br>    "tenantId": "21",<br>    "accountId": "3339",<br>    "resourceId": 1,<br>    "resourceName": "Account",<br>    "resourceMode": null,<br>    "resourceModeId": null,<br>    "resourceModeName": null,<br>    "resourceDetail1": "3339",<br>    "allItemEnabled": false,<br>    "state": "Inactive",<br>    "endDate": "2022-05-31T00:00:00.000Z",<br>    "monitoredTriggers": [{<br>        "id": 2851,<br>        "triggerId": 32,<br>        "triggerName": "Active Subscription Count", |

| API Interface | Create Automation Rule for Accounts |
|---|---|
| | <pre>                "triggerTypeId": 5,
                "triggerTypeName": "Counter",
                "condition": {
                        "country": "",
                        "unit": "",
                        "zone": "",
                        "locationId": "",
                        "location": "ALL",
                        "value": "1",
                        "locationValue": ""
                }
        }],
        "notifications": [{
                "subject": "Active Subscription Count (Account:
{name})",
                "name": "Send Email",
                "receipient": "string",
                "id": "32",
                "message": "The Account ({name}) has reached
the configured threshold ({value}) for Active Subscription Count"
        }],
        "actions": [{
                "name": "None"
        }],
        "createdOn": "2022-05-26T07:38:38.190Z",
        "updatedOn": "2022-05-26T07:38:38.190Z"
}</pre> |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

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## 6.1.2 Edit Automation Rule for Accounts

| API Interface | Edit Automation Rule for Accounts | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "ruleName": "Test_1123",<br>    "endDate": "2022-05-31T00:00:00.000Z",<br>    "tenantId": "21",<br>    "description": null,<br>    "resourceId": 1,<br>    "resourceName": "Account",<br>    "resourceMode": null,<br>    "resourceModeId": null,<br>    "resourceModeName": null,<br>    "resourceDetail1": 4208,<br>    "allItemEnabled": false,<br>    "monitoredTriggers": [{<br>        "triggerTypeId": 5,<br>        "triggerTypeName": "Counter",<br>        "triggerId": 32,<br>        "triggerName": "Active Subscription Count",<br>        "condition": {<br>            "value": "5",<br>            "unit": "",<br>            "location": "ALL",<br>            "locationId": "",<br>            "locationValue": "",<br>            "country": "",<br>            "zone": ""<br>        },<br>        "id": 3253<br>    }],<br>    "notifications": [{<br>        "id": "32",<br>        "name": "Send Email", |

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| API Interface | Edit Automation Rule for Accounts |
|---|---|
| | "subject": "Active Subscription Count (Account: {name})",<br><br>"receipient": "string",<br><br>"message": "The Account ({name}) has reached the configured threshold ({value}) for Active Subscription Count"<br><br>}],<br><br>"actions": [{<br><br>"name": "None"<br><br>}],<br><br>"id": 3203,<br><br>"accountId": 4208<br><br>} |
| Response | Content Type    application/json |
| HTTP Status | 200 - OK    {<br><br>"id": 3203,<br><br>"ruleName": "Test_1123",<br><br>"description": null,<br><br>"tenantId": "21",<br><br>"accountId": "4208",<br><br>"resourceId": 1,<br><br>"resourceName": "Account",<br><br>"resourceMode": null,<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": "4208",<br><br>"allItemEnabled": false,<br><br>"state": "Inactive",<br><br>"endDate": "2022-05-31T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>"id": 3253,<br><br>"triggerId": 32,<br><br>"triggerName": "Active Subscription Count",<br><br>"triggerTypeId": 5,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>"country": "", |

| API Interface | Edit Automation Rule for Accounts |
|---|---|
| | <br>"unit": "",<br><br>"zone": "",<br><br>"locationId": "",<br><br>"location": "ALL",<br><br>"value": "5",<br><br>"locationValue": ""<br><br>    }<br><br>   }],<br><br>   "notifications": [{<br><br>     "subject": "Active Subscription Count (Account: {name})",<br><br>     "name": "Send Email",<br><br>     "receipient": "string",<br><br>     "id": "32",<br><br>     "message": "The Account ({name}) has reached the configured threshold ({value}) for Active Subscription Count"<br><br>   }],<br><br>   "actions": [{<br><br>     "name": "None"<br><br>   }],<br><br>   "createdOn": "2022-05-30T12:12:42.311Z",<br><br>   "updatedOn": "2022-05-30T12:13:24.041Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.1.3  Delete Automation Rule for Accounts

| API Interface | Delete Automation Rule for Accounts |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/3203/Delete |

| API Interface | Delete Automation Rule for Accounts | |
|---|---|---|
| Request | Method: PUT, Content type: application/json | |
|  | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br> `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | `{`<br>    `"id": 3203,`<br>    `"ruleName": "Test_1123",`<br>    `"description": null,`<br>    `"tenantId": "21",`<br>    `"accountId": "4208",`<br>    `"resourceId": 1,`<br>    `"resourceName": "Account",`<br>    `"resourceMode": null,`<br>    `"resourceModeId": null,`<br>    `"resourceModeName": null,`<br>    `"resourceDetail1": "4208",`<br>    `"allItemEnabled": false,`<br>    `"state": "Deleted",`<br>    `"endDate": "2022-05-31T00:00:00.000Z",`<br>    `"monitoredTriggers": [{`<br>        `"id": 3253,`<br>        `"triggerId": 32,`<br>        `"triggerName": "Active Subscription Count",`<br>        `"triggerTypeId": 5,`<br>        `"triggerTypeName": "Counter",`<br>        `"condition": {`<br>            `"country": "",`<br>            `"unit": "",`<br>            `"zone": "",`<br>            `"locationId": "",`<br>            `"location": "ALL",`<br>            `"value": "5",`<br>            `"locationValue": ""`<br>        `}`<br>    `}],`<br>    `"notifications": [{` |

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| API Interface | Delete Automation Rule for Accounts |
|---|---|

| | | |
|---|---|---|
| | |         "subject": "Active Subscription Count (Account: {name})", <br><br>         "name": "Send Email", <br><br>         "receipient": "string", <br><br>         "id": "32", <br><br>         "message": "The Account ({name}) has reached the configured threshold ({value}) for Active Subscription Count" <br><br>       }], <br><br>       "actions": [{ <br><br>         "name": "None" <br><br>       }], <br><br>       "createdOn": "2022-05-30T12:12:42.311Z", <br><br>       "updatedOn": "2022-05-30T12:13:24.041Z" <br><br> } |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 6.2  Automation Rules for Resource Type Subscriptions (Event)

## 6.2.1  Create Automation Rule for Subscriptions - Event (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Create Automation Rule for Subscriptions - Event |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules |
| Request | Method: POST, Content type: application/json |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br><br> `'Account-Context-Id: <ACCOUNT_ID>'` |

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| API Interface | Create Automation Rule for Subscriptions - Event |
|---|---|
| body | {<br><br>"ruleName": "Test_234",<br><br>"endDate": "2022-05-31T00:00:00.000Z",<br><br>"tenantId": "21",<br><br>"resourceId": 3,<br><br>"resourceName": "Subscription",<br><br>"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": true,<br><br>"monitoredTriggers": [{<br><br>"triggerTypeId": 1,<br><br>"triggerTypeName": "Event",<br><br>"triggerId": 1,<br><br>"triggerName": "Data Session Start/Data Session End/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation / Registration in a Zone ",<br><br>"condition": {<br><br>"value": "",<br><br>"unit": "",<br><br>"location": "ALL",<br><br>"locationId": "",<br><br>"locationValue": "",<br><br>"country": "",<br><br>"zone": ""<br><br>}<br><br>}],<br><br>"notifications": [{<br><br>"id": "1",<br><br>"name": "Send Email/Send SMS/None",<br><br>"subject": "Data Session Start - Billing Cycle (IMSI: {imsi})",<br><br>"receipient": "string",<br><br>"message": "The condition Data Session Start - Billing Cycle has been met for the Subscription (IMSI : {imsi})/ IMSI: {imsi} Data Session Start - Billing Cycle Value: {value}." |

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| API Interface | | Create Automation Rule for Subscriptions - Event |
|---|---|---|
| | | }],<br>"actions": [{<br>      "name": "None/Suspend/Change Rate Plan"<br>}],<br>"accountId": 4208<br>} |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | {<br>    "id": 3302,<br>    "ruleName": "Test_234",<br>    "description": null,<br>    "tenantId": "21",<br>    "accountId": "4208",<br>    "resourceId": 3,<br>    "resourceName": "Subscription",<br>    "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>    "resourceModeId": null,<br>    "resourceModeName": null,<br>    "resourceDetail1": null,<br>    "allItemEnabled": false,<br>    "state": "Inactive",<br>    "endDate": "2022-05-31T00:00:00.000Z",<br>    "monitoredTriggers": [{<br>        "id": 3352,<br>        "triggerId": 1,<br>        "triggerName": "Data Session Start/Data Session End/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation / Registration in a Zone ",<br>        "triggerTypeId": 1,<br>        "triggerTypeName": "Event",<br>        "condition": {<br>            "country": "",<br>            "unit": "",<br>            "zone": "",<br>            "locationId": "", |

| API Interface | Create Automation Rule for Subscriptions - Event |
|---|---|
| | "location": "ALL",<br><br>"value": "",<br><br>"locationValue": ""<br><br>}<br><br>}],<br><br>"notifications": [{<br><br>"subject": "Data Session Start - Billing Cycle (IMSI: {imsi})",<br><br>"name": "Send Email/Send SMS/None",<br><br>"receipent": "string",<br><br>"id": "1",<br><br>"message": "The condition Data Session Start - Billing Cycle has been met for the Subscription (IMSI : {imsi})/ IMSI: {imsi} Data Session Start - Billing Cycle Value: {value}."<br><br>}],<br><br>"actions": [{<br><br>"name": "None/Suspend/Change Rate Plan"<br><br>}],<br><br>"createdOn": "2022-05-30T12:23:07.845Z",<br><br>"updatedOn": "2022-05-30T12:47:58.360Z"<br><br>} |

| | |
|---|---|
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.2.2 Edit Automation Rule for Subscriptions - Event (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Edit Automation Rule for Subscriptions - Event |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules |
| Request | Method: PUT, Content type: application/json |

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| API Interface | Edit Automation Rule for Subscriptions - Event | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br><br>    "ruleName": "Test_234567",<br><br>    "endDate": "2022-05-31T00:00:00.000Z",<br><br>    "tenantId": "21",<br><br>    "description": null,<br><br>    "resourceId": 3,<br><br>    "resourceName": "Subscription",<br><br>    "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>    "resourceModeId": null,<br><br>    "resourceModeName": null,<br><br>    "resourceDetail1": null,<br><br>    "allItemEnabled": true,<br><br>    "monitoredTriggers": [{<br><br>        "triggerTypeId": 1,<br><br>        "triggerTypeName": "Event",<br><br>        "triggerId": 1,<br><br>        "triggerName": "Data Session Start/Data Session End/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation / Registration in a Zone ",<br><br>        "condition": {<br><br>            "value": "",<br><br>            "unit": "",<br><br>            "location": "ALL",<br><br>            "locationId": "",<br><br>            "locationValue": "",<br><br>            "country": "",<br><br>            "zone": ""<br><br>        },<br><br>        "id": 3352<br><br>    }],<br><br>    "notifications": [{<br><br>        "id": "1",<br><br>        "name": "Send Email/Send SMS/None", |

| API Interface | Edit Automation Rule for Subscriptions - Event |
|---|---|

| | | "subject": "Data Session Start - Billing Cycle (IMSI: {imsi})",<br><br>"receipient": "string",<br><br>"message": "The condition Data Session Start - Billing Cycle has been met for the Subscription (IMSI : {imsi})/ IMSI: {imsi} Data Session Start - Billing Cycle Value: {value}."<br><br>}],<br><br>"actions": [{<br><br>"name": "None/Suspend/Change Rate Plan"<br><br>}],<br><br>"id": 3302,<br><br>"accountId": 4208<br><br>} |
|---|---|---|
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br><br>"id": 3302,<br><br>"ruleName": "Test_234567",<br><br>"description": null,<br><br>"tenantId": "21",<br><br>"accountId": "4208",<br><br>"resourceId": 3,<br><br>"resourceName": "Subscription",<br><br>"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": false,<br><br>"state": "Inactive",<br><br>"endDate": "2022-05-31T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>"id": 3352,<br><br>"triggerId": 1,<br><br>"triggerName": "Data Session Start/Data Session End/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone",<br><br>"triggerTypeId": 1,<br><br>"triggerTypeName": "Event", |

| API Interface | Edit Automation Rule for Subscriptions - Event |
|---|---|
| | <pre>                    "condition": {
                            "country": "",
                            "unit": "",
                            "zone": "",
                            "locationId": "",
                            "location": "ALL",
                            "value": "",
                            "locationValue": ""
                    }
                }],
                "notifications": [{
                        "subject": "Data Session Start - Billing Cycle (IMSI:
{imsi})",
                        "name": "Send Email/Send SMS/None",
                        "receipient": "string",
                        "id": "1",
                        "message": "The condition Data Session Start -
Billing Cycle has been met for the Subscription (IMSI : {imsi})/ IMSI:
{imsi} Data Session Start - Billing Cycle Value: {value}."
                }],
                "actions": [{
                        "name": "None/Suspend/Change Rate Plan"
                }],
                "createdOn": "2022-05-30T12:23:07.845Z",
                "updatedOn": "2022-05-30T13:10:25.948Z"
        }</pre> |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.2.3 Delete Automation Rule for Subscriptions - Event (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Delete Automation Rule for Subscriptions - Event | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/3302/Delete | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { <br>　　　　"id": 3302,<br>　　　　"ruleName": "Test_234567",<br>　　　　"description": null,<br>　　　　"tenantId": "21",<br>　　　　"accountId": "4208",<br>　　　　"resourceId": 3,<br>　　　　"resourceName": "Subscription",<br>　　　　"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>　　　　"resourceModeId": null,<br>　　　　"resourceModeName": null,<br>　　　　"resourceDetail1": null,<br>　　　　"allItemEnabled": false,<br>　　　　"state": "Deleted",<br>　　　　"endDate": "2022-05-31T00:00:00.000Z",<br>　　　　"monitoredTriggers": [{<br>　　　　　　"id": 3352,<br>　　　　　　"triggerId": 1,<br>　　　　　　"triggerName": "Data Session Start/Data Session End/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone",<br>　　　　　　"triggerTypeId": 1,<br>　　　　　　"triggerTypeName": "Event",<br>　　　　　　"condition": {<br>　　　　　　　　"country": "",<br>　　　　　　　　"unit": "", |

| API Interface | Delete Automation Rule for Subscriptions - Event |
|---|---|
| | "zone": "",<br><br>"locationId": "",<br><br>"location": "ALL",<br><br>"value": "",<br><br>"locationValue": ""<br><br>}<br><br>}],<br><br>"notifications": [{<br><br>"subject": "Data Session Start - Billing Cycle (IMSI: {imsi})",<br><br>"name": "Send Email/Send SMS/None",<br><br>"receipient": "string",<br><br>"id": "1",<br><br>"message": "The condition Data Session Start - Billing Cycle has been met for the Subscription (IMSI : {imsi})/ IMSI: {imsi} Data Session Start - Billing Cycle Value: {value}."<br><br>}],<br><br>"actions": [{<br><br>"name": "None/Suspend/Change Rate Plan"<br><br>}],<br><br>"createdOn": "2022-05-30T12:23:07.845Z",<br><br>"updatedOn": "2022-05-30T13:10:25.948Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.3 Automation Rules for Resource Type Subscriptions (Analytics)

### 6.3.1 Create Automation Rule for Subscriptions - Analytics (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Create Automation Rule for Subscriptions - Analytics | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>    "ruleName": "Test_123",<br>    "endDate": "2022-06-30T00:00:00.000Z",<br>    "tenantId": "21",<br>    "resourceId": 3,<br>    "resourceName": "Subscription",<br>    "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>    "resourceModeId": null,<br>    "resourceModeName": null,<br>    "resourceDetail1": null,<br>    "allItemEnabled": true,<br>    "monitoredTriggers": [{<br>        "triggerTypeId": 3,<br>        "triggerTypeName": "Analytics",<br>        "triggerId": 10,<br>        "triggerName": "No Data Sessions/No SMS Sessions",<br>        "condition": {<br>            "value": "2",<br>            "unit": "Hours/Days",<br>            "location": "ALL",<br>            "locationId": "",<br>            "locationValue": "",<br>            "country": "",<br>            "zone": "" |

| API Interface | Create Automation Rule for Subscriptions - Analytics | |
|---|---|---|
| | | }<br>}],<br>"notifications": [{<br>    "name": "None/Send Email/Send SMS"<br>}],<br>"actions": [{<br>    "id": "6",<br>    "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile",<br>    "reset": "true",<br>    "selectedId": "",<br>    "selectedValue": ""<br>}],<br>"accountId": 3438<br>} |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | {<br>    "id": 5505,<br>    "ruleName": "Test_123",<br>    "description": null,<br>    "tenantId": "21",<br>    "accountId": "3438",<br>    "resourceId": 3,<br>    "resourceName": "Subscription",<br>    "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>    "resourceModeId": null,<br>    "resourceModeName": null,<br>    "resourceDetail1": null,<br>    "allItemEnabled": false,<br>    "state": "Inactive",<br>    "endDate": "2022-06-30T00:00:00.000Z",<br>    "monitoredTriggers": [{<br>        "id": 5555,<br>        "triggerId": 10,<br>        "triggerName": "No Data Sessions/No SMS Sessions",<br>        "triggerTypeId": 3, |

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| API Interface | Create Automation Rule for Subscriptions - Analytics |
|---|---|
| | ```json
                "triggerTypeName": "Analytics",
                "condition": {
                        "country": "",
                        "unit": "Hours/Days",
                        "zone": "",
                        "locationId": "",
                        "location": "ALL",
                        "value": "2",
                        "locationValue": ""
                }
        }],
        "notifications": [{
                "name": "None/Send Email/Send SMS"
        }],
        "actions": [{
                "id": "6",
                "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile",
                "reset": "true",
                "selectedId": "",
                "selectedValue": ""
        }],
        "createdOn": "2022-06-17T14:02:11.120Z",
        "updatedOn": "2022-06-17T14:02:11.120Z"
}
``` |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.3.2 Edit Automation Rule for Subscriptions - Analytics (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Edit Automation Rule for Subscriptions - Analytics |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules |
| Request | Method: PUT, Content type: application/json |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | (see below) |

```
{
        "ruleName": "Test_123456",
        "endDate": "2022-06-30T00:00:00.000Z",
        "tenantId": "21",
        "description": null,
        "resourceId": 3,
        "resourceName": "Subscription",
        "resourceMode": "All_Subscription/ICCID/IMSI/Rate
Plan/Tag",
        "resourceModeId": null,
        "resourceModeName": null,
        "resourceDetail1": null,
        "allItemEnabled": true,
        "monitoredTriggers": [{
                "triggerTypeId": 3,
                "triggerTypeName": "Analytics",
                "triggerId": 10,
                "triggerName": "No Data Sessions/No SMS
Sessions",
                "condition": {
                        "value": "2",
                        "unit": "Hours/Days",
                        "location": "ALL",
                        "locationId": "NaN",
                        "locationValue": "",
                        "country": "",
                        "zone": ""
                },
                "id": 5555
        }],
```

| API Interface | Edit Automation Rule for Subscriptions - Analytics | |
|---|---|---|
| | | "notifications": [{<br><br>    "name": "None/Send Email/Send SMS"<br><br>}],<br><br>"actions": [{<br><br>    "id": "6",<br><br>    "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile",<br><br>    "reset": "true",<br><br>    "selectedId": "",<br><br>    "selectedValue": ""<br><br>}],<br><br>"id": 5505,<br><br>"accountId": 3438<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>  "id": 5505,<br>  "ruleName": "Test_123456",<br>  "description": null,<br>  "tenantId": "21",<br>  "accountId": "3438",<br>  "resourceId": 3,<br>  "resourceName": "Subscription",<br>  "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>  "resourceModeId": null,<br>  "resourceModeName": null,<br>  "resourceDetail1": null,<br>  "allItemEnabled": false,<br>  "state": "Inactive",<br>  "endDate": "2022-06-30T00:00:00.000Z",<br>  "monitoredTriggers": [<br>   {<br>     "id": 5555,<br>     "triggerId": 10,<br>     "triggerName": "No Data Sessions/No SMS Sessions",<br>     "triggerTypeId": 3,<br>     "triggerTypeName": "Analytics", |

## 6.3.3 Delete Automation Rule for Subscriptions - Analytics (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Delete Automation Rule for Subscriptions - Analytics | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/5505/Delete | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { |

```
{
        "id": 5505,
        "ruleName": "Test_123456",
        "description": null,
        "tenantId": "21",
        "accountId": "3438",
        "resourceId": 3,
        "resourceName": "Subscription",
        "resourceMode": "All_Subscription/ICCID/IMSI/Rate
Plan/Tag",
        "resourceModeId": null,
        "resourceModeName": null,
        "resourceDetail1": null,
        "allItemEnabled": false,
        "state": "Deleted",
        "endDate": "2022-06-30T00:00:00.000Z",
        "monitoredTriggers": [{
                "id": 5555,
                "triggerId": 10,
                "triggerName": "No Data Sessions/No SMS
Sessions",
                "triggerTypeId": 3,
                "triggerTypeName": "Analytics",
                "condition": {
                        "country": "",
                        "unit": "Hours/Days",
                        "zone": "",
                        "locationId": "NaN",
```

| API Interface | Delete Automation Rule for Subscriptions - Analytics |
|---|---|
| | ```
                    "location": "ALL",
                    "value": "2",
                    "locationValue": ""
                }
            }],
            "notifications": [{
                "name": "None/Send Email/Send SMS"
            }],
            "actions": [{
                "id": "6",
                "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile",
                "reset": "true",
                "selectedId": "",
                "selectedValue": ""
            }],
            "createdOn": "2022-06-17T14:02:11.120Z",
            "updatedOn": "2022-06-17T14:14:37.675Z"
        }
``` |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.4 Automation Rules for Resource Type Subscriptions (Counter)

### 6.4.1 Create Automation Rule for Subscriptions - Counter (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Create Automation Rule for Subscriptions - Counter | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "ruleName": "Test_345",<br>  "endDate": "2022-06-30T00:00:00.000Z",<br>  "tenantId": "21",<br>  "resourceId": 3,<br>  "resourceName": "Subscription",<br>  "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>  "resourceModeId": null,<br>  "resourceModeName": null,<br>  "resourceDetail1": null,<br>  "allItemEnabled": true,<br>  "monitoredTriggers": [{<br>    "triggerTypeId": 2,<br>    "triggerTypeName": "Counter",<br>    "triggerId": 5,<br>    "triggerName": "Data Usage - 24hrs/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing CycleSMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br>    "condition": {<br>      "value": "5",<br>      "unit": "MB/KB/GB",<br>      "location": "ALL", |

| API Interface | Create Automation Rule for Subscriptions - Counter | |
|---|---|---|
| | | "locationId": "",<br><br>"locationValue": "",<br><br>"country": "",<br><br>"zone": ""<br><br>        }<br><br>    }],<br><br>    "notifications": [{<br><br>        "id": "5",<br><br>        "name": "Send Email/None/Send SMS",<br><br>        "subject": "Data Usage - 24hrs (IMSI: {imsi})",<br><br>        "receipient": "string",<br><br>        "message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - 24hrs."<br><br>    }],<br><br>    "actions": [{<br><br>        "id": "1",<br><br>        "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile/Block Data",<br><br>        "reset": "true",<br><br>        "selectedId": "",<br><br>        "selectedValue": ""<br><br>    }],<br><br>    "accountId": 3438<br><br>} |
| Response | Content Type | application/json |

| API Interface | Create Automation Rule for Subscriptions - Counter | |
|---|---|---|
| HTTP Status | 201 - Created | {<br><br>"id": 5506,<br><br>"ruleName": "Test_345",<br><br>"description": null,<br><br>"tenantId": "21",<br><br>"accountId": "3438",<br><br>"resourceId": 3,<br><br>"resourceName": "Subscription",<br><br>"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": false,<br><br>"state": "Inactive",<br><br>"endDate": "2022-06-30T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>"id": 5556,<br><br>"triggerId": 5,<br><br>"triggerName": "Data Usage - 24hrs/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing CycleSMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>"triggerTypeId": 2,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>"country": "",<br><br>"unit": "MB/KB/GB",<br><br>"zone": "",<br><br>"locationId": "",<br><br>"location": "ALL",<br><br>"value": "5",<br><br>"locationValue": ""<br><br>}<br><br>}],<br><br>"notifications": [{ |

| API Interface | Create Automation Rule for Subscriptions - Counter | |
|---|---|---|
| | | "subject": "Data Usage - 24hrs (IMSI: {imsi})", <br><br> "name": "Send Email/None/Send SMS", <br><br> "receipient": "ramkumar.gunnam.ext@nokia.com/+918099441515", <br><br> "id": "5", <br><br> "message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - 24hrs." <br><br> }], <br><br> "actions": [{ <br><br> "id": "1", <br><br> "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile/Block Data", <br><br> "reset": "true", <br><br> "selectedId": "", <br><br> "selectedValue": "" <br><br> }], <br><br> "createdOn": "2022-06-17T14:30:25.127Z", <br><br> "updatedOn": "2022-06-17T14:30:25.127Z" <br><br> } |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.4.2 Edit Automation Rule for Subscriptions - Counter (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Edit Automation Rule for Subscriptions - Counter |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules |
| Request | Method: PUT, Content type: application/json |

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| API Interface | Edit Automation Rule for Subscriptions - Counter |
|---|---|
| header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| body | {<br>      "ruleName": "Test_345789",<br>      "endDate": "2022-06-30T00:00:00.000Z",<br>      "tenantId": "21",<br>      "description": null,<br>      "resourceId": 3,<br>      "resourceName": "Subscription",<br>      "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br>      "resourceModeId": null,<br>      "resourceModeName": null,<br>      "resourceDetail1": null,<br>      "allItemEnabled": true,<br>      "monitoredTriggers": [{<br>            "triggerTypeId": 2,<br>            "triggerTypeName": "Counter",<br>            "triggerId": 5,<br>            "triggerName": "Data Usage - 24hrs/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing CycleSMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br>                "condition": {<br>                    "value": "5",<br>                    "unit": "MB/KB/GB",<br>                    "location": "ALL",<br>                    "locationId": "NaN",<br>                    "locationValue": "",<br>                    "country": "",<br>                    "zone": ""<br>                },<br>                "id": 5556<br>      }],<br>      "notifications": [{ |

| API Interface | Edit Automation Rule for Subscriptions - Counter | |
|---|---|---|
| | | "id": "5",<br><br>"name": "Send Email/None/Send SMS",<br><br>"subject": "Data Usage - 24hrs (IMSI: {imsi})",<br><br>"receipient": "string",<br><br>"message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - 24hrs."<br><br>}],<br><br>"actions": [{<br><br>"id": "1",<br><br>"name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile/Block Data",<br><br>"reset": "true",<br><br>"selectedId": "",<br><br>"selectedValue": ""<br><br>}],<br><br>"id": 5506,<br><br>"accountId": 3438<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br><br>"id": 5506,<br><br>"ruleName": "Test_345789",<br><br>"description": null,<br><br>"tenantId": "21",<br><br>"accountId": "3438",<br><br>"resourceId": 3,<br><br>"resourceName": "Subscription",<br><br>"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": false,<br><br>"state": "Inactive",<br><br>"endDate": "2022-06-30T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>"id": 5556, |

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| API Interface | Edit Automation Rule for Subscriptions - Counter |
|---|---|
| | "triggerId": 5,<br><br>"triggerName": "Data Usage - 24hrs/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing CycleSMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>"triggerTypeId": 2,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>    "country": "",<br><br>    "unit": "MB/KB/GB",<br><br>    "zone": "",<br><br>    "locationId": "NaN",<br><br>    "location": "ALL",<br><br>    "value": "5",<br><br>    "locationValue": ""<br><br>    }<br><br>}],<br><br>"notifications": [{<br><br>    "subject": "Data Usage - 24hrs (IMSI: {imsi})",<br><br>    "name": "Send Email/None/Send SMS",<br><br>    "receipient": "string",<br><br>    "id": "5",<br><br>    "message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - 24hrs."<br><br>    }],<br><br>"actions": [{<br><br>    "id": "1",<br><br>    "name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile/Block Data",<br><br>    "reset": "true",<br><br>    "selectedId": "",<br><br>    "selectedValue": ""<br><br>    }],<br><br>"createdOn": "2022-06-17T14:30:25.127Z",<br><br>"updatedOn": "2022-06-17T14:47:35.463Z" |

| API Interface | Edit Automation Rule for Subscriptions - Counter |
|---|---|
| | } |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

### 6.4.3 Delete Automation Rule for Subscriptions - Counter (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Delete Automation Rule for Subscriptions - Counter |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/5506/Delete |
| Request | Method: PUT, Content type: application/json |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { "id": 5506, |

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| API Interface | Delete Automation Rule for Subscriptions - Counter |
|---|---|
| | "ruleName": "Test_345789",<br><br>"description": null,<br><br>"tenantId": "21",<br><br>"accountId": "3438",<br><br>"resourceId": 3,<br><br>"resourceName": "Subscription",<br><br>"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": false,<br><br>"state": "Deleted",<br><br>"endDate": "2022-06-30T00:00:00.000Z",<br><br>"monitoredTriggers": [<br><br>  {<br><br>    "id": 5556,<br><br>    "triggerId": 5,<br><br>    "triggerName": "Data Usage - 24hrs/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing CycleSMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>    "triggerTypeId": 2,<br><br>    "triggerTypeName": "Counter",<br><br>    "condition": {<br><br>     "country": "",<br><br>     "unit": "MB/KB/GB",<br><br>     "zone": "",<br><br>     "locationId": "NaN",<br><br>     "location": "ALL",<br><br>     "value": "5",<br><br>     "locationValue": ""<br><br>    }<br><br>  }<br><br>],<br><br>"notifications": [<br><br>  { |

| API Interface | Delete Automation Rule for Subscriptions - Counter |
|---|---|
| | "subject": "Data Usage - 24hrs (IMSI: {imsi})",<br><br>"name": "Send Email/None/Send SMS",<br><br>"receipient": "string",<br><br>"id": "5",<br><br>"message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - 24hrs."<br><br>}<br><br>],<br><br>"actions": [<br><br>{<br><br>"id": "1",<br><br>"name": "Suspend/Change Rate Plan/Change APN Group/Change Network Profile/Block Data",<br><br>"reset": "true",<br><br>"selectedId": "",<br><br>"selectedValue": ""<br><br>}<br><br>],<br><br>"createdOn": "2022-06-17T14:30:25.127Z",<br><br>"updatedOn": "2022-06-17T14:47:35.463Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.5 Automation Rules for Resource Type Subscriptions (All Triggers)

### 6.5.1 Create Automation Rule for Subscriptions – All Triggers (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Create Automation Rule for Subscriptions - All Triggers | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { <br><br> "ruleName": "All Triggeres", <br><br> "endDate": "2022-06-30T00:00:00.000Z", <br><br> "tenantId": "21", <br><br> "resourceId": 3, <br><br> "resourceName": "Subscription", <br><br> "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag", <br><br> "resourceModeId": null, <br><br> "resourceModeName": null, <br><br> "resourceDetail1": null, <br><br> "allItemEnabled": true, <br><br> "monitoredTriggers": [{ <br><br> "triggerTypeName": "", <br><br> "triggerId": 6, <br><br> "triggerName": "Data Usage - Billing Cycle/Data Session Start/Data Session Stop/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - 24hrs/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)/No Data Sessions/No SMS Sessions", <br><br> "condition": { <br> "value": "5", |

| API Interface | | Create Automation Rule for Subscriptions - All Triggers |
|---|---|---|
| | | "unit": "MB/KB/GB", |
| | | "location": "ALL", |
| | | "locationId": "", |
| | | "locationValue": "", |
| | | "country": "", |
| | | "zone": "" |
| | | } |
| | | }], |
| | | "notifications": [{ |
| | | "id": "6", |
| | | "name": "Send Email/Send SMS/None", |
| | | "subject": "Data Usage - Billing Cycle (IMSI: {imsi})", |
| | | "receipient": "string", |
| | | "message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - Billing Cycle." |
| | | }], |
| | | "actions": [{ |
| | | "id": "32", |
| | | "name": "Block Data/Suspend/Change Rate Plan/Change APN Group/Change Network Profile", |
| | | "reset": "true", |
| | | "selectedId": "", |
| | | "selectedValue": "" |
| | | }], |
| | | "accountId": 3438 |
| | | } |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | {<br>    "id": 5507,<br>    "ruleName": "All Triggeres",<br>    "description": null,<br>    "tenantId": "21",<br>    "accountId": "3438",<br>    "resourceId": 3,<br>    "resourceName": "Subscription", |

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| API Interface | Create Automation Rule for Subscriptions - All Triggers |
|---|---|
| | "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": false,<br><br>"state": "Inactive",<br><br>"endDate": "2022-06-30T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>    "id": 5557,<br><br>    "triggerId": 6,<br><br>    "triggerName": "Data Usage - Billing Cycle/Data Session Start/Data Session Stop/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - 24hrs/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)/No Data Sessions/No SMS Sessions",<br><br>    "triggerTypeId": 2,<br><br>    "triggerTypeName": "Counter",<br><br>    "condition": {<br><br>        "country": "",<br><br>        "unit": "MB/KB/GB",<br><br>        "zone": "",<br><br>        "locationId": "",<br><br>        "location": "ALL",<br><br>        "value": "5",<br><br>        "locationValue": ""<br><br>    }<br><br>}],<br><br>"notifications": [{<br><br>    "subject": "Data Usage - Billing Cycle (IMSI: {imsi})",<br><br>    "name": "Send Email/Send SMS/None",<br><br>    "receipient": "string", |

| API Interface | Create Automation Rule for Subscriptions - All Triggers | |
|---|---|---|
| | | "id": "6",<br><br>"message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - Billing Cycle."<br><br>}],<br><br>"actions": [{<br><br>"id": "32",<br><br>"name": "Block Data/Suspend/Change Rate Plan/Change APN Group/Change Network Profile",<br><br>"reset": "true",<br><br>"selectedId": "",<br><br>"selectedValue": ""<br><br>}],<br><br>"createdOn": "2022-06-17T15:02:36.930Z",<br><br>"updatedOn": "2022-06-17T15:02:36.930Z"<br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.5.2 Edit Automation Rule for Subscriptions – All Triggers (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Edit Automation Rule for Subscriptions – All Triggers | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |

| API Interface | Edit Automation Rule for Subscriptions – All Triggers |
|---|---|
| body | {<br><br>    "ruleName": "All Triggeres_345",<br><br>    "endDate": "2022-06-30T00:00:00.000Z",<br><br>    "tenantId": "21",<br><br>    "description": null,<br><br>    "resourceId": 3,<br><br>    "resourceName": "Subscription",<br><br>    "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>    "resourceModeId": null,<br><br>    "resourceModeName": null,<br><br>    "resourceDetail1": null,<br><br>    "allItemEnabled": true,<br><br>    "monitoredTriggers": [{<br><br>        "triggerTypeId": 2,<br><br>        "triggerTypeName": "Counter",<br><br>        "triggerId": 6,<br><br>        "triggerName": "Data Usage - Billing Cycle/Data Session Start/Data Session Stop/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - 24hrs/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)/No Data Sessions/No SMS Sessions",<br><br>        "condition": {<br><br>            "value": "5",<br><br>            "unit": "MB/KB/GB",<br><br>            "location": "ALL",<br><br>            "locationId": "NaN",<br><br>            "locationValue": "",<br><br>            "country": "",<br><br>            "zone": ""<br><br>        },<br><br>        "id": 5557<br><br>    }], |

| API Interface | Edit Automation Rule for Subscriptions – All Triggers | |
|---|---|---|
| | | "notifications": [{ <br><br> "id": "6", <br><br> "name": "Send Email/Send SMS/None", <br><br> "subject": "Data Usage - Billing Cycle (IMSI: {imsi})", <br><br> "receipient": "string", <br><br> "message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - Billing Cycle." <br><br> }], <br><br> "actions": [{ <br><br> "id": "32", <br><br> "name": "Block Data/Suspend/Change Rate Plan/Change APN Group/Change Network Profile", <br><br> "reset": "true", <br><br> "selectedId": "", <br><br> "selectedValue": "" <br><br> }], <br><br> "id": 5507, <br><br> "accountId": 3438 <br><br> } |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { <br><br> "id": 5507, <br><br> "ruleName": "All Triggeres_345", <br><br> "description": null, <br><br> "tenantId": "21", <br><br> "accountId": "3438", <br><br> "resourceId": 3, <br><br> "resourceName": "Subscription", <br><br> "resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag", <br><br> "resourceModeId": null, <br><br> "resourceModeName": null, <br><br> "resourceDetail1": null, <br><br> "allItemEnabled": false, <br><br> "state": "Inactive", <br><br> "endDate": "2022-06-30T00:00:00.000Z", <br><br> "monitoredTriggers": [ |

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| API Interface | Edit Automation Rule for Subscriptions – All Triggers |
|---|---|
| | <pre>  {<br>    "id": 5557,<br>    "triggerId": 6,<br>    "triggerName": "Data Usage - Billing Cycle/Data Session Start/Data Session Stop/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - 24hrs/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)/No Data Sessions/No SMS Sessions",<br>      "triggerTypeId": 2,<br>      "triggerTypeName": "Counter",<br>      "condition": {<br>        "country": "",<br>        "unit": "MB/KB/GB",<br>        "zone": "",<br>        "locationId": "NaN",<br>        "location": "ALL",<br>        "value": "5",<br>        "locationValue": ""<br>      }<br>    }<br>  ],<br>  "notifications": [<br>    {<br>      "subject": "Data Usage - Billing Cycle (IMSI: {imsi})",<br>      "name": "Send Email/Send SMS/None",<br>      "receipient": "string",<br>      "id": "6",<br>      "message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - Billing Cycle."<br>    }<br>  ],<br>  "actions": [<br>    {<br>      "id": "32",</pre> |

| API Interface | Edit Automation Rule for Subscriptions – All Triggers | |
|---|---|---|
| | "name": "Block Data/Suspend/Change Rate Plan/Change APN Group/Change Network Profile",<br><br>    "reset": "true",<br><br>    "selectedId": "",<br><br>    "selectedValue": ""<br><br>  }<br><br> ],<br><br>  "createdOn": "2022-06-17T15:02:36.930Z",<br><br>  "updatedOn": "2022-06-17T15:22:08.765Z"<br><br>} | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.5.3   Delete Automation Rule for Subscriptions – All Triggers (All SIMs/ICCID/IMSI/Rate Plan/Tag)

| API Interface | Delete Automation Rule for Subscriptions – All Triggers | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/5507/Delete | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br><br>        "id": 5507,<br><br>        "ruleName": "All Triggeres_345",<br><br>        "description": null,<br><br>        "tenantId": "21", |

| API Interface | Delete Automation Rule for Subscriptions – All Triggers | |
|---|---|---|
| | | "accountId": "3438",<br><br>"resourceId": 3,<br><br>"resourceName": "Subscription",<br><br>"resourceMode": "All_Subscription/ICCID/IMSI/Rate Plan/Tag",<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": null,<br><br>"allItemEnabled": false,<br><br>"state": "Deleted",<br><br>"endDate": "2022-06-30T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>    "id": 5557,<br><br>    "triggerId": 6,<br><br>    "triggerName": "Data Usage - Billing Cycle/Data Session Start/Data Session Stop/Data Security Policy violation/SIM Status Changed/SIM IMEI changed/SIM Rate Plan Changed/SIM Location (Country) Changed/SMS Security Policy violation/Registration in a Zone/Data Sessions Count - 24hrs/Data Sessions Count - Billing Cycle/Data Usage - 24hrs/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)/No Data Sessions/No SMS Sessions",<br><br>        "triggerTypeId": 2,<br><br>        "triggerTypeName": "Counter",<br><br>        "condition": {<br><br>            "country": "",<br><br>            "unit": "MB/KB/GB",<br><br>            "zone": "",<br><br>            "locationId": "NaN",<br><br>            "location": "ALL",<br><br>            "value": "5",<br><br>            "locationValue": ""<br><br>        }<br><br>}],<br><br>"notifications": [{ |

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| API Interface | Delete Automation Rule for Subscriptions – All Triggers | |
|---|---|---|
| | | "subject": "Data Usage - Billing Cycle (IMSI: {imsi})", <br><br>"name": "Send Email/Send SMS/None", <br><br>"receipient": "string", <br><br>"id": "6", <br><br>"message": "The Subscription (IMSI : {imsi}) has reached the configured threshold ({value} {unit}) for Data Usage - Billing Cycle." <br><br>}], <br><br>"actions": [{ <br><br>"id": "32", <br><br>"name": "Block Data/Suspend/Change Rate Plan/Change APN Group/Change Network Profile", <br><br>"reset": "true", <br><br>"selectedId": "", <br><br>"selectedValue": "" <br><br>}], <br><br>"createdOn": "2022-06-17T15:02:36.930Z", <br><br>"updatedOn": "2022-06-17T15:22:08.765Z" <br><br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 6.6   Automation Rules for Resource Type Rate Plan (Counters)

## 6.6.1   Create Automation Rule for Rate Plan - Counters

| API Interface | Create Automation Rule for Rate Plan - Counters |
|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules |
| Request | Method: POST, Content type: application/json |

| API Interface | Create Automation Rule for Rate Plan - Counters | |
|---|---|---|
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br><br>    "ruleName": "Rate plan",<br><br>    "endDate": "2022-06-30T00:00:00.000Z",<br><br>    "tenantId": "21",<br><br>    "resourceId": 2,<br><br>    "resourceName": "Rate Plan",<br><br>    "resourceMode": null,<br><br>    "resourceModeId": null,<br><br>    "resourceModeName": null,<br><br>    "resourceDetail1": 1019,<br><br>    "allItemEnabled": false,<br><br>    "monitoredTriggers": [{<br><br>        "triggerTypeId": 4,<br><br>        "triggerTypeName": "Counter",<br><br>        "triggerId": 23,<br><br>        "triggerName": "Data Usage - 24hrs/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>          "condition": {<br><br>            "value": "5",<br><br>            "unit": "MB/KB/GB",<br><br>            "location": "ALL",<br><br>            "locationId": "",<br><br>            "locationValue": "",<br><br>            "country": "",<br><br>            "zone": ""<br><br>          }<br><br>    }],<br><br>    "notifications": [{<br><br>        "id": "23",<br><br>        "name": "Send Email/Send SMS", |

| API Interface | Create Automation Rule for Rate Plan - Counters | |
|---|---|---|
| | | "subject": "Data Usage - 24hrs (Rate Plan: {name})",<br><br>"receipient": "string",<br><br>"message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - 24hrs."<br><br>}],<br><br>"actions": [{<br><br>"name": "None"<br><br>}],<br><br>"accountId": 3438<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | {<br><br>"id": 5411,<br><br>"ruleName": "Rate plan",<br><br>"description": null,<br><br>"tenantId": "21",<br><br>"accountId": "3438",<br><br>"resourceId": 2,<br><br>"resourceName": "Rate Plan",<br><br>"resourceMode": null,<br><br>"resourceModeId": null,<br><br>"resourceModeName": null,<br><br>"resourceDetail1": "1019",<br><br>"allItemEnabled": false,<br><br>"state": "Inactive",<br><br>"endDate": "2022-06-30T00:00:00.000Z",<br><br>"monitoredTriggers": [{<br><br>"id": 5461,<br><br>"triggerId": 23,<br><br>"triggerName": "Data Usage - 24hrs/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - |

| API Interface | Create Automation Rule for Rate Plan - Counters |
|---|---|
| | Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>"triggerTypeId": 4,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>"country": "",<br><br>"unit": "MB/KB/GB",<br><br>"zone": "",<br><br>"locationId": "",<br><br>"location": "ALL",<br><br>"value": "5",<br><br>"locationValue": ""<br><br>}<br><br>}],<br><br>"notifications": [{<br><br>"subject": "Data Usage - 24hrs (Rate Plan: {name})",<br><br>"name": "Send Email/Send SMS",<br><br>"receipient": "string",<br><br>"id": "23",<br><br>"message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - 24hrs."<br><br>}],<br><br>"actions": [{<br><br>"name": "None"<br><br>}],<br><br>"createdOn": "2022-06-17T15:42:23.072Z",<br><br>"updatedOn": "2022-06-17T15:42:23.072Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.6.2　Edit Automation Rule for Rate Plan - Counters

| API Interface | Edit Automation Rule for Rate Plan - Counters | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { |

Body content (continued):

```
{
        "ruleName": "Rate plan_678",
        "endDate": "2022-06-30T00:00:00.000Z",
        "tenantId": "21",
        "description": null,
        "resourceId": 2,
        "resourceName": "Rate Plan",
        "resourceMode": null,
        "resourceModeId": null,
        "resourceModeName": null,
        "resourceDetail1": 1019,
        "allItemEnabled": false,
        "monitoredTriggers": [{
                "triggerTypeId": 4,
                "triggerTypeName": "Counter",
                "triggerId": 23,
                "triggerName": "Data Usage - 24hrs/Data Usage -
Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in
Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing
Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in
Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone -
Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing
Cycle (Percentage Quota)",
                "condition": {
                        "value": "5",
                        "unit": "MB/KB/GB",
                        "location": "ALL",
                        "locationId": "NaN",
                        "locationValue": "",
                        "country": "",
                        "zone": ""
                },
```

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| API Interface | | Edit Automation Rule for Rate Plan - Counters |
|---|---|---|
| | |               "id": 5461<br><br>       }],<br><br>       "notifications": [{<br><br>              "id": "23",<br><br>              "name": "Send Email/Send SMS",<br><br>              "subject": "Data Usage - 24hrs (Rate Plan: {name})",<br><br>              "receipient": "string",<br><br>              "message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - 24hrs."<br><br>       }],<br><br>       "actions": [{<br><br>              "name": "None"<br><br>       }],<br><br>       "id": 5411,<br><br>       "accountId": 3438<br><br>} |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br><br>       "id": 5411,<br><br>       "ruleName": "Rate plan_678",<br><br>       "description": null,<br><br>       "tenantId": "21",<br><br>       "accountId": "3438",<br><br>       "resourceId": 2,<br><br>       "resourceName": "Rate Plan",<br><br>       "resourceMode": null,<br><br>       "resourceModeId": null,<br><br>       "resourceModeName": null,<br><br>       "resourceDetail1": "1019",<br><br>       "allItemEnabled": false,<br><br>       "state": "Inactive",<br><br>       "endDate": "2022-06-30T00:00:00.000Z",<br><br>       "monitoredTriggers": [{<br><br>              "id": 5461,<br><br>              "triggerId": 23,<br><br>              "triggerName": "Data Usage - 24hrs/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in |

| API Interface | Edit Automation Rule for Rate Plan - Counters |
|---|---|
|  | Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>"triggerTypeId": 4,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>"country": "",<br><br>"unit": "MB/KB/GB",<br><br>"zone": "",<br><br>"locationId": "NaN",<br><br>"location": "ALL",<br><br>"value": "5",<br><br>"locationValue": ""<br><br>}<br><br>}],<br><br>"notifications": [{<br><br>"subject": "Data Usage - 24hrs (Rate Plan: {name})",<br><br>"name": "Send Email/Send SMS",<br><br>"receipient": "string",<br><br>"id": "23",<br><br>"message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - 24hrs."<br><br>}],<br><br>"actions": [{<br><br>"name": "None"<br><br>}],<br><br>"createdOn": "2022-06-17T15:42:23.072Z",<br><br>"updatedOn": "2022-06-17T15:51:33.713Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |

| API Interface | Edit Automation Rule for Rate Plan - Counters |
|---|---|
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.6.3   Delete Automation Rule for Rate Plan - Counters

| API Interface | Delete Automation Rule for Rate Plan - Counters | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/5411/Delete | |
| Request | Method: PUT, Content type: application/json | |
| | header | 'Authorization: Bearer <ACCESS_TOKEN>'<br>'Account-Context-Id: <ACCOUNT_ID>' |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | {<br>     "id": 5411,<br>     "ruleName": "Rate plan_678",<br>     "description": null,<br>     "tenantId": "21",<br>     "accountId": "3438",<br>     "resourceId": 2,<br>     "resourceName": "Rate Plan",<br>     "resourceMode": null,<br>     "resourceModeId": null,<br>     "resourceModeName": null,<br>     "resourceDetail1": "1019",<br>     "allItemEnabled": false,<br>     "state": "Deleted",<br>     "endDate": "2022-06-30T00:00:00.000Z",<br>     "monitoredTriggers": [{<br>          "id": 5461,<br>          "triggerId": 23,<br>          "triggerName": "Data Usage - 24hrs/Data Usage - Billing Cycle/Data Usage in Country - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)", |

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| API Interface | Delete Automation Rule for Rate Plan - Counters |
|---|---|
| | "triggerTypeId": 4,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>"country": "",<br><br>"unit": "MB/KB/GB",<br><br>"zone": "",<br><br>"locationId": "NaN",<br><br>"location": "ALL",<br><br>"value": "5",<br><br>"locationValue": ""<br><br>}<br><br>}],<br><br>"notifications": [{<br><br>"subject": "Data Usage - 24hrs (Rate Plan: {name})",<br><br>"name": "Send Email/Send SMS",<br><br>"receipient": "string",<br><br>"id": "23",<br><br>"message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - 24hrs."<br><br>}],<br><br>"actions": [{<br><br>"name": "None"<br><br>}],<br><br>"createdOn": "2022-06-17T15:42:23.072Z",<br><br>"updatedOn": "2022-06-17T15:51:33.713Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.7 Automation Rules for Resource Type Rate Plan (All Triggers)

### 6.7.1 Create Automation Rule for Rate Plan – All Triggers

| API Interface | Create Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: POST, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | { <br><br>    "ruleName": "1e212", <br><br>    "endDate": "2022-06-30T00:00:00.000Z", <br><br>    "tenantId": "21", <br><br>    "resourceId": 2, <br><br>    "resourceName": "Rate Plan", <br><br>    "resourceMode": null, <br><br>    "resourceModeId": null, <br><br>    "resourceModeName": null, <br><br>    "resourceDetail1": 1019, <br><br>    "allItemEnabled": false, <br><br>    "monitoredTriggers": [{ <br><br>        "triggerTypeId": "", <br><br>        "triggerId": 24, <br><br>        "triggerName": "Data Usage - Billing Cycle/Data Usage - 24hrs/Data Usage - Billing Cycle/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)", <br><br>        "condition": { <br><br>            "value": "7", <br><br>            "unit": "MB/KB/GB", <br><br>            "location": "ALL", <br><br>            "locationId": "", <br><br>            "locationValue": "", <br><br>            "country": "", |

| API Interface | Create Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| | | ```
              "zone": ""
            }
        }],
        "notifications": [{
            "id": "24",
            "name": "Send Email/Send SMS",
            "subject": "Data Usage - Billing Cycle (Rate Plan: {name})",
            "receipient": "string",
            "message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - Billing Cycle."
        }],
        "actions": [{
            "name": "None"
        }],
        "accountId": 3438
}
``` |
| Response | Content Type | application/json |
| HTTP Status | 201 - Created | ```
{
        "id": 5508,
        "ruleName": "1e212",
        "description": null,
        "tenantId": "21",
        "accountId": "3438",
        "resourceId": 2,
        "resourceName": "Rate Plan",
        "resourceMode": null,
        "resourceModeId": null,
        "resourceModeName": null,
        "resourceDetail1": "1019",
        "allItemEnabled": false,
        "state": "Inactive",
        "endDate": "2022-06-30T00:00:00.000Z",
        "monitoredTriggers": [{
            "id": 5558,
            "triggerId": 24,
``` |

| API Interface | Create Automation Rule for Rate Plan – All Triggers |
|---|---|
| | "triggerName": "Data Usage - Billing Cycle/Data Usage - 24hrs/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br><br>"triggerTypeId": 4,<br><br>"triggerTypeName": "Counter",<br><br>"condition": {<br><br>    "country": "",<br><br>    "unit": "MB/KB/GB",<br><br>    "zone": "",<br><br>    "locationId": "",<br><br>    "location": "ALL",<br><br>    "value": "7",<br><br>    "locationValue": ""<br><br>    }<br><br>}],<br><br>"notifications": [{<br><br>    "subject": "Data Usage - Billing Cycle (Rate Plan: {name})",<br><br>    "name": "Send Email/Send SMS",<br><br>    "receipient": "string",<br><br>    "id": "24",<br><br>    "message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - Billing Cycle."<br><br>}],<br><br>"actions": [{<br><br>    "name": "None"<br><br>}],<br><br>"createdOn": "2022-06-17T16:04:10.743Z",<br><br>"updatedOn": "2022-06-17T16:04:10.743Z"<br><br>} |
| 401 - Unauthorized | No valid JWT token provided. |
| 403 - Forbidden | User does not have permissions to perform the request. |
| 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Create Automation Rule for Rate Plan – All Triggers |
|---|---|
| 404 - Not Found | The requested resource does not exist. |
| 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.7.2   Edit Automation Rule for Rate Plan – All Triggers

| API Interface | Edit Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "ruleName": "Test_7890",<br>  "endDate": "2022-06-30T00:00:00.000Z",<br>  "tenantId": "21",<br>  "description": null,<br>  "resourceId": 2,<br>  "resourceName": "Rate Plan",<br>  "resourceMode": null,<br>  "resourceModeId": null,<br>  "resourceModeName": null,<br>  "resourceDetail1": 1019,<br>  "allItemEnabled": false,<br>  "monitoredTriggers": [<br>    {<br>      "triggerTypeId": 4,<br>      "triggerTypeName": "Counter",<br>      "triggerId": 24,<br>      "triggerName": "Data Usage - Billing Cycle/Data Usage - 24hrs/Data Usage in Zone - Billing Cycle/SMS MO Count - 24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country - Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active Subscription Count/Data Usage in Zone - Billing Cycle (Percentage Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",<br>      "condition": {<br>        "value": "7",<br>        "unit": "MB/KB/GB", |

| API Interface | Edit Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| | | ```"location": "ALL",```<br>```"locationId": "NaN",```<br>```"locationValue": "",```<br>```"country": "",```<br>```"zone": ""```<br>```},```<br>```"id": 5558```<br>```}```<br>```],```<br>```"notifications": [```<br>```{```<br>```"id": "24",```<br>```"name": "Send Email/Send SMS",```<br>```"subject": "Data Usage - Billing Cycle (Rate Plan: {name})",```<br>```"receipient": "string",```<br>```"message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - Billing Cycle."```<br>```}```<br>```],```<br>```"actions": [```<br>```{```<br>```"name": "None"```<br>```}```<br>```],```<br>```"id": 5508,```<br>```"accountId": 3438```<br>```}``` |
| Response | Content Type | application/json |

| API Interface | Edit Automation Rule for Rate Plan – All Triggers |
|---|---|
| HTTP Status | 200 - OK |

```
{
        "id": 5508,
        "ruleName": "Test_7890",
        "description": null,
        "tenantId": "21",
        "accountId": "3438",
        "resourceId": 2,
        "resourceName": "Rate Plan",
        "resourceMode": null,
        "resourceModeId": null,
        "resourceModeName": null,
        "resourceDetail1": "1019",
        "allItemEnabled": false,
        "state": "Inactive",
        "endDate": "2022-06-30T00:00:00.000Z",
        "monitoredTriggers": [{
                "id": 5558,
                "triggerId": 24,
                "triggerName": "Data Usage - Billing Cycle/Data
Usage - 24hrs/Data Usage in Zone - Billing Cycle/SMS MO Count -
24hrs/SMS MO Count - Billing Cycle/SMS MO Count in Country -
Billing Cycle/SMS MO Count in Zone - Billing Cycle/Active
Subscription Count/Data Usage in Zone - Billing Cycle (Percentage
Quota)/SMS MO Count in Zone - Billing Cycle (Percentage Quota)",
                "triggerTypeId": 4,
                "triggerTypeName": "Counter",
                "condition": {
                        "country": "",
                        "unit": "MB/KB/GB",
                        "zone": "",
                        "locationId": "NaN",
                        "location": "ALL",
                        "value": "7",
                        "locationValue": ""
                }
        }],
        "notifications": [{
                "subject": "Data Usage - Billing Cycle (Rate Plan:
{name})",
```

| API Interface | Edit Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| | | "name": "Send Email/Send SMS", <br><br> "receipient": "string", <br><br> "id": "24", <br><br> "message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - Billing Cycle." <br><br> }], <br><br> "actions": [{ <br><br> "name": "None" <br><br> }], <br><br> "createdOn": "2022-06-17T16:04:10.743Z", <br><br> "updatedOn": "2022-06-17T16:14:30.307Z" <br><br> } |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 6.7.3 Delete Automation Rule for Rate Plan – All Triggers

| API Interface | Delete Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/automation-rules/automation-rule/{version}/monitored-rules/5508/Delete | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'` <br><br> `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 - OK | { <br><br> "id": 5508, <br><br> "ruleName": "Test_7890", <br><br> "description": null, <br><br> "tenantId": "21", |

| API Interface | Delete Automation Rule for Rate Plan – All Triggers |
|---|---|
|  | "accountId": "3438",<br>"resourceId": 2,<br>"resourceName": "Rate Plan",<br>"resourceMode": null,<br>"resourceModeId": null,<br>"resourceModeName": null,<br>"resourceDetail1": "1019",<br>"allItemEnabled": false,<br>"state": "Deleted",<br>"endDate": "2022-06-30T00:00:00.000Z",<br>"monitoredTriggers": [{<br>  "id": 5558,<br>  "triggerId": 24,<br>  "triggerName": "Data Usage - Billing Cycle",<br>  "triggerTypeId": 4,<br>  "triggerTypeName": "Counter",<br>  "condition": {<br>    "country": "",<br>    "unit": "MB",<br>    "zone": "",<br>    "locationId": "NaN",<br>    "location": "ALL",<br>    "value": "7",<br>    "locationValue": ""<br>  }<br>}],<br>"notifications": [{<br>  "subject": "Data Usage - Billing Cycle (Rate Plan: {name})",<br>  "name": "Send Email",<br>  "receipient": "string",<br>  "id": "24",<br>  "message": "The Rate Plan ({name}) has reached the configured threshold ({value} {units}) for Data Usage - Billing Cycle."<br>}],<br>"actions": [{<br>  "name": "None" |

| API Interface | Delete Automation Rule for Rate Plan – All Triggers | |
|---|---|---|
| | | }],<br>    "createdOn": "2022-06-17T16:04:10.743Z",<br>    "updatedOn": "2022-06-17T16:20:27.648Z"<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 7

## Reports API

**NOKIA**

# 7 Reports API

## 7.1 Get All Reports

**Description:**

Get metadata for all canned reports available for the user role.

| API Interface | Get All Reports | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/cannedReport | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 202 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 7.2 Enable Report by ID

**Description:**

Enable a canned report and GUI hosting for an enterprise account via API.

| API Interface | Enable Report by ID |
|---|---|
| URL | https://{apiGateway}/api/{version}/cannedReport/enableReportById/{id} |
| Request | Method: PUT, Content type: application/json |

| API Interface | Enable Report by ID |  |
|---|---|---|
|  | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
|  | body | {<br>  "accountId": "string",<br>  "active": true,<br>  "contentType": "string",<br>  "createdBy": 0,<br>  "encrypted": true,<br>  "id": 0,<br>  "lastUpdatedBy": 0,<br>  "query": "string",<br>  "reportExpiryDays": "string",<br>  "reportLevel": "string",<br>  "reportSchedule": {<br>    "active": true,<br>    "folderPath": "string",<br>    "id": 0,<br>    "reportEnabledOn": "string",<br>    "reportMetaDataID": 0,<br>    "schedulePeriod": "string",<br>    "scheduleTime": "string"<br>  },<br>  "reportTemplateName": "string",<br>  "responseFormat": "string",<br>  "roleName": [<br>    "string"<br>  ],<br>  "template": true,<br>  "tenantId": 0<br>} |
| Response | Content Type | Text |
| HTTP Status | 202 - OK |  |
|  | 401 - Unauthorized | No valid JWT token provided. |
|  | 403 - Forbidden | User does not have permissions to perform the request. |
|  | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Enable Report by ID | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 7.3 Disable Report by ID

**Description:**

Disable a canned report and GUI hosting for an enterprise account via API.

| API Interface | Disable Report by ID | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/cannedReport/disableReportById/{id} | |
| Request | Method: PUT, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | body | {<br>  "accountId": "string",<br>  "active": true,<br>  "contentType": "string",<br>  "createdBy": 0,<br>  "encrypted": true,<br>  "id": 0,<br>  "lastUpdatedBy": 0,<br>  "query": "string",<br>  "reportExpiryDays": "string",<br>  "reportLevel": "string",<br>  "reportSchedule": {<br>    "active": true,<br>    "folderPath": "string",<br>    "id": 0,<br>    "reportEnabledOn": "string",<br>    "reportMetaDataID": 0,<br>    "schedulePeriod": "string",<br>    "scheduleTime": "string"<br>  },<br>  "reportTemplateName": "string", |

| API Interface | Disable Report by ID | |
|---|---|---|
| | "responseFormat": "string",<br><br>"roleName": [<br><br>"string"<br><br>],<br><br>"template": true,<br><br>"tenantId": 0<br><br>} | |
| Response | Content Type | Text |
| HTTP Status | 202 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 7.4 Download Report by ID

**Description:**

Download contents of a single canned report. Response will contain binary data for a single report.

| API Interface | Download Report by ID | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/downloadReport/{id} | |
| Request | Method: GET, Content type: application/json | |
| | header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 202 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |

| API Interface | Download Report by ID | |
|---|---|---|
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 7.5 Trigger a Report On-Demand

**Description:**

Manually start the process to collect data and prepare the specific report in context via GUI. This action is performed by users with roles such as enterprise admin or enterprise user.

| API Interface | Trigger a Report On-Demand | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/runReport/{id} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 202 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

**New  APIs – FEB 13**

# Chapter 8

## SIM Order APIs

**NOKIA**

# 8 SIM Order APIs

The following section specifies the APIs for Sim Order.

The root URL resource for all SIM Order functions is:

https://{baseURL}/api/{version}/sim-ordering/

{baseURL} example: wdh-sitstg2.nokiawing.com

{version} example: v1

## 8.1 Order Details APIs

### 8.1.1 Create Order

**Description:** This API can be used to create an Order for Sim.

| API Interface | Create Order | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/createOrder | |
| Request | Method: POST, Content type: application/json | |
| | Header | `X-Tenant-Id, Account-Context-Id` |
| | Body | { <br> "tenantId": 7, <br> "accountMasterId": 26, <br> "orderType": "SIM", <br> "productCatalogueId": 9951, <br> "productQty": 12, <br> "poNumber": "1", <br> "orderOwnerName": "test4444444", <br> "orderOwnerEmail": "test@test.com", <br> "orderOwnerPhone": "111111111", <br> "orderShippingComments": "test", <br> "contactPersonName": "test", <br> "contactPersonEmail": "test@test.com", <br> "contactPersonPhone": "23423424", |

| API Interface | Create Order |
|---|---|
| | "deliveryAddressLine1": "test",<br><br>"deliveryAddressLine2": "test",<br><br>"deliveryAddressCity": "test",<br><br>"deliveryAddressState": "test",<br><br>"deliveryAddressCountry": "India",<br><br>"orderComments": "test",<br><br>"orderApnGroup": "lab.B01wing",<br><br>"orderNetworkProfile": "ALL Services",<br><br>"orderRoamingProfile": "ALLPLMN",<br><br>"orderRatePlan": "Nokia Rate plan for invoice testing",<br><br>"linkedOrderId": 1,<br><br>"linkedOrderComments": null,<br><br>"orderStatus": "SUBMITTED",<br><br>"orderSubmittedDate": "2022-11-07T04:50:43.418Z",<br><br>"orderOnholdDate": "2022-11-07T04:51:03.37Z",<br><br>"orderOnholdReason": "",<br><br>"orderApprovedDate": "2022-11-07T04:51:27.417Z",<br><br>"orderApprovedComments": "TEST",<br><br>"orderCompletedDate": "2022-11-07T10:02:38.287Z",<br><br>"orderCompletedComments": "",<br><br>"orderCancelledDate": null,<br><br>"orderCancelledReason": "",<br><br>"trackingDetails": "tracking info",<br><br>"attachments": "/simorder/sim/SIM_BULK_CHANGE.csv_12251",<br><br>"postCode": null,<br><br>"businessName": "test",<br><br>"note": "test note",<br><br>"defaultOwnerDetails": false,<br><br>"defaultShippingDetails": false,<br><br>"creationTimestamp": "2022-11-07T04:50:16.071Z",<br><br>"modificationTimestamp": "2022-11-07T10:02:38.287Z"<br><br>} |

| API Interface | Create Order |
|---|---|
| Body Datatypes | Field: Datatype<br>"tenantId": int,<br>"accountMasterId": int,<br>"orderType": "string",<br>"productCatalogueId": int,<br>"productQty": int,<br>"poNumber": "string",<br>"orderOwnerName": "string",<br>"orderOwnerEmail": "string",<br>"orderOwnerPhone": "string",<br>"orderShippingComments": "string",<br>"contactPersonName": "string",<br>"contactPersonEmail": "string",<br>"contactPersonPhone": "string",<br>"deliveryAddressLine1": "string",<br>"deliveryAddressLine2": "string",<br>"deliveryAddressCity": "string",<br>"deliveryAddressState": "string",<br>"deliveryAddressCountry": "string",<br>"orderComments": "string",<br>"orderApnGroup": "string",<br>"orderNetworkProfile": "string",<br>"orderRoamingProfile": "string",<br>"orderRatePlan": "string",<br>"linkedOrderId": int,<br>"linkedOrderComments": "string",<br>"orderStatus": "SUBMITTED",<br>"orderSubmittedDate": ZonedDateTime,<br>"orderOnholdDate": ZonedDateTime<br>"orderOnholdReason": "string",<br>"orderApprovedDate": ZonedDateTime,<br>"orderApprovedComments": "string",<br>"orderCompletedDate": ZonedDateTime<br>"orderCompletedComments": "string",<br>"orderCancelledDate": ZonedDateTime<br>"orderCancelledReason": "string",<br>"trackingDetails": "string", |

| API Interface | Create Order | |
|---|---|---|
| | | "attachments": "string",<br><br>"postCode": "string",<br><br>"businessName": "string",<br><br>"note": "string",<br><br>"defaultOwnerDetails": true,<br><br>"defaultShippingDetails": true,<br><br>"creationTimestamp": ZonedDateTime,<br><br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Order Created |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>1. Body has mentioned only respective data types<br><br>2. Order status allowed only SUBMITTED for create order | | |

## 8.1.2   Update Order

**Description:**

This API is used to Update an Order.

| API Interface | Update Order | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/updateOrder/{id} | |
| Request | Method: PUT, Content type: application/json | |
| | Header | X-Tenant-Id, Account-Context-Id, id |

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| API Interface | Update Order | |
|---|---|---|
| | Body | {<br>"id": 5651,<br>"tenantId": 7,<br>"accountMasterId": 26,<br>"orderType": "SIM",<br>"productCatalogueId": 9951,<br>"productQty": 12,<br>"poNumber": "1",<br>"orderOwnerName": "test4444444",<br>"orderOwnerEmail": "test@test.com",<br>"orderOwnerPhone": "11111111122",<br>"orderShippingComments": "test",<br>"contactPersonName": "test",<br>"contactPersonEmail": "test@test.com",<br>"contactPersonPhone": "23423424",<br>"deliveryAddressLine1": "test",<br>"deliveryAddressLine2": "test",<br>"deliveryAddressCity": "test",<br>"deliveryAddressState": "test",<br>"deliveryAddressCountry": "India",<br>"orderComments": "test",<br>"orderApnGroup": "lab.B01wing",<br>"orderNetworkProfile": "ALL Services",<br>"orderRoamingProfile": "ALLPLMN",<br>"orderRatePlan": "Nokia Rate plan for invoice testing",<br>"linkedOrderId": 1,<br>"linkedOrderComments": null,<br>"orderStatus": "SUBMITTED",<br>"orderSubmittedDate": "2022-11-07T04:50:43.418Z",<br>"orderOnholdDate": "2022-11-07T04:51:03.37Z",<br>"orderOnholdReason": "",<br>"orderApprovedDate": "2022-11-07T04:51:27.417Z",<br>"orderApprovedComments": "TEST",<br>"orderCompletedDate": "2022-11-07T10:02:38.287Z",<br>"orderCompletedComments": "",<br>"orderCancelledDate": null,<br>"orderCancelledReason": "",<br>"trackingDetails": "tracking info",<br>"attachments": "/simorder/sim/SIM_BULK_CHANGE.csv_12251",<br>"postCode": null,<br>"businessName": "test",<br>"note": "test note",<br>"defaultOwnerDetails": false,<br>"defaultShippingDetails": false,<br>"creationTimestamp": "2022-11-07T04:50:16.071Z",<br><br>"modificationTimestamp": "2022-11-07T10:02:38.287Z"}<br><br>} |

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| API Interface | Update Order | |
|---|---|---|
| Body Datatype | | Field: Datatype<br>"id": long<br>"tenantId": int,<br>"accountMasterId": int,<br>"orderType": "string",<br>"productCatalogueId": int,<br>"productQty": int,<br>"poNumber": "string",<br>"orderOwnerName": "string",<br>"orderOwnerEmail": "string",<br>"orderOwnerPhone": "string",<br>"orderShippingComments": "string",<br>"contactPersonName": "string",<br>"contactPersonEmail": "string",<br>"contactPersonPhone": "string",<br>"deliveryAddressLine1": "string",<br>"deliveryAddressLine2": "string",<br>"deliveryAddressCity": "string",<br>"deliveryAddressState": "string",<br>"deliveryAddressCountry": "string",<br>"orderComments": "string",<br>"orderApnGroup": "string",<br>"orderNetworkProfile": "string",<br>"orderRoamingProfile": "string",<br>"orderRatePlan": "string",<br>"linkedOrderId": int,<br>"linkedOrderComments": "string",<br>"orderStatus": "SUBMITTED",<br>"orderSubmittedDate": ZonedDateTime,<br>"orderOnholdDate": ZonedDateTime<br>"orderOnholdReason": "string",<br>"orderApprovedDate": ZonedDateTime,<br>"orderApprovedComments": "string",<br>"orderCompletedDate": ZonedDateTime<br>"orderCompletedComments": "string",<br>"orderCancelledDate": ZonedDateTime<br>"orderCancelledReason": "string",<br>"trackingDetails": "string",<br>"attachments": "string",<br>"postCode": "string",<br>"businessName": "string",<br>"note": "string",<br>"defaultOwnerDetails": true,<br>"defaultShippingDetails": true,<br>"creationTimestamp": ZonedDateTime,<br><br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – Updated | |

| API Interface | Update Order | |
|---|---|---|
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.1.3   Update Order Tracking Details

**Description:**

This API allows updating of Order Tracking Details.

| API Interface | Update Order Tracking Details | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/orderTrackingDetails/{id} | |
| Request | Method: PUT, Content type: application/json | |
| | Header | `X-Tenant-Id, Account-Context-Id, id` |
| | Parameters | trackingInfo: String |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.1.4   Update Order Note Details

**Description:**

This API allows updating of Order Note Details.

| API Interface | Update Order Note Details | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/orderNoteDetails/{id} | |
| Request | Method: PUT, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`Account-Context-Id` |
| | Parameters | Id: int<br>Note: string |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.1.5 Upload Attachment

**Description:**

This API is used to upload an attachment.

| API Interface | Upload Attachment | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/uploadAttachment/{id} | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`Account-Context-Id` |
| | Body | File: CSV file |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Upload Attachment | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.1.6   Download Attachment

**Description:**

This API is used to Download an attachment.

| API Interface | Download Attachment | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/downloadAttachment/{id} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`Account-Context-Id` |
| | Parameters | Id: int |
| Response | Content Type | application/json? |
| HTTP Status | 200 – OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.1.7   Get Order Details

**Description:**

This API can be used to fetch order details.

| API Interface | Get Order Details | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/orderDetails/{id} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Order details fetched |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.1.8 Delete Order Details

**Description:**

This API can be used to Delete order details.

| API Interface | Delete Order Details | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/deleteorder/{id} | |
| Request | Method: DELETE, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Order details Deleted |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Delete Order Details | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.2 Account Default Resource

### 8.2.1 Create Account Default

**Description:** This API is used to create an Account Default

| API Interface | Create Account Default | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/createAccountDefault | |
| Request | Method: POST, Content type: application/json | |
| | Header | Account-Context-Id, X-Tenant-Id |
| | Body | {<br>  "tenantId": "1",<br>  "accountId": 285,<br>  "ownerName": "prabhuram",<br>  "ownerEmail": "prabhuram.mrugesan.ext@nokia.com",<br>  "ownerPhone": "111111111111",<br>  "contactName": "prabhuram",<br>  "contactPhoneNumber": "1111111",<br>  "businessName": "test",<br>  "contactEmail": "prabhuram.mrugesan.ext@nokia.com",<br>  "addressOne": "test",<br>  "addressTwo": "test",<br>  "zipcode": "1111111",<br>  "city": "test",<br>  "state": "test",<br>  "country": "India",<br>  "recipientEmail": "prabhuram.mrugesan.ext@nokia.com",<br>  "creationTimestamp": null,<br>  "modificationTimestamp": null<br>} |

| API Interface | Create Account Default | |
|---|---|---|
| | Body Datatype | Field: Datatype<br><br>"tenantId": "string",<br><br>"accountId": int,<br><br>"ownerName": "string",<br><br>"ownerEmail": "string",<br><br>"ownerPhone": "string",<br><br>"contactName": "string",<br><br>"contactPhoneNumber": "string",<br><br>"businessName": "string",<br><br>"contactEmail": "string",<br><br>"addressOne": "string",<br><br>"addressTwo": "string",<br><br>"zipcode": "string",<br><br>"city": "string",<br><br>"state": "string",<br><br>"country": "string",<br><br>"recipientEmail": "string",<br><br>"creationTimestamp": ZonedDateTime,<br><br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Created |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.2.2 Update Account Default

**Description:**

This API is used to Update an Account Default.

| API Interface | Update Account Default | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/updateAccountDefault/{accountdefaultId} | |
| Request | Method: PUT, Content type: application/json | |
| | Header | Account-Context-Id, X-Tenant-Id |
| | Body | {<br>  "tenantId": "1",<br>  "accountId": 285,<br>  "ownerName": "prabhuram",<br>  "ownerEmail": "prabhuram.mrugesan.ext@nokia.com",<br>  "ownerPhone": "111111111111",<br>  "contactName": "prabhuram",<br>  "contactPhoneNumber": "1111111",<br>  "businessName": "test",<br>  "contactEmail": "prabhuram.mrugesan.ext@nokia.com",<br>  "addressOne": "test",<br>  "addressTwo": "test",<br>  "zipcode": "1111111",<br>  "city": "test",<br>  "state": "test",<br>  "country": "India",<br>  "recipientEmail": "prabhuram.mrugesan.ext@nokia.com",<br>  "creationTimestamp": null,<br>  "modificationTimestamp": null<br>} |
| | Body Datatypes | Field: Datatype<br>"id" : long<br>"tenantId": "string",<br>"accountId": int,<br>"ownerName": "string",<br>"ownerEmail": "string",<br>"ownerPhone": "string",<br>"contactName": "string",<br>"contactPhoneNumber": "string",<br>"businessName": "string",<br>"contactEmail": "string",<br>"addressOne": "string",<br>"addressTwo": "string",<br>"zipcode": "string",<br>"city": "string",<br>"state": "string",<br>"country": "string",<br>"recipientEmail": "string",<br>"creationTimestamp": ZonedDateTime,<br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Updated |

| API Interface | Update Account Default | |
|---|---|---|
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

### 8.2.3   Get Account Default

**Description:**

This API can be used to fetch an Account Default.

| API Interface | Get Account Default | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/getAccountDefault/{accountId} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Account Default details fetched |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.3   Product Catalogue Resource

### 8.3.1   Update Product Catalogue

**Description:**

This API is used to Update a product Catalogue.

| API Interface | Update Product Catalogue | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/simProducts/updateProduct/{id} | |
| Request | Method: PUT, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| | Body | {<br>  "id": 10401,<br>  "tenantId": "string",<br>  "productType": "string",<br>  "productNumber": "string",<br>  "productName": "string",<br>  "formFactor": "string",<br>  "branding": "string",<br>  "hardware": "string",<br>  "software": "string",<br>  "productPrice": "string",<br>  "status": "DRAFT",<br>  "creationTimestamp": "2022-12-13T17:23:28.532Z",<br>  "modificationTimestamp": "2022-12-13T17:23:28.532Z"<br><br>} |
| | Body Datatypes | Field: datatype<br>"id": long,<br>"tenantId": "string",<br>"productType": "string",<br>"productNumber": "string",<br>"productName": "string",<br>"formFactor": "string",<br>"branding": "string",<br>"hardware": "string",<br>"software": "string",<br>"productPrice": "string",<br>"status": "DRAFT",<br>"creationTimestamp": ZonedDateTime,<br><br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Updated |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Update Product Catalogue | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.3.2 Create Product Catalogue

**Description:** This API is used to create a Product Catalogue

| API Interface | Create Product Catalogue | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/simProducts/addProduct | |
| Request | Method: POST, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| | Body | { <br> "tenantId": "string", <br> "productType": "string", <br> "productNumber": "string", <br> "productName": "string", <br> "formFactor": "string", <br> "branding": "string", <br> "hardware": "string", <br> "software": "string", <br> "productPrice": "string", <br> "status": "DRAFT", <br> "creationTimestamp": "2022-12-13T17:23:28.532Z", <br> "modificationTimestamp": "2022-12-13T17:23:28.532Z" <br> } |
| | Body Datatypes | Field: datatype <br> "id": long, <br> "tenantId": "string", <br> "productType": "string", <br> "productNumber": "string", <br> "productName": "string", <br> "formFactor": "string", <br> "branding": "string", <br> "hardware": "string", <br> "software": "string", <br> "productPrice": "string", |

| API Interface | Create Product Catalogue | |
|---|---|---|
| | | "status": "DRAFT",<br><br>"creationTimestamp": ZonedDateTime,<br><br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Created |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes:<br><br>Status: DRAFT \| UNDER_REVIEW \| APPROVED \| LOCKED \| ARCHIVED \| DELETE | | |

### 8.3.3   Get Product

**Description:**

This API can be used to fetch Product.

| API Interface | Get Product | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/simProducts/getProduct | |
| Request | Method: GET, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Product details fetched |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Get Product | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.3.4  Delete Product

**Description:**

This API can be used to Delete a Product.

| API Interface | Delete Product | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/simProducts/deleteProduct/{id} | |
| Request | Method: DELETE, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Product details Deleted |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# 8.4  User Group Resource

## 8.4.1  Add User Group

**Description:** This API is used to add an user group.

| API Interface | Add User Group |
|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/simProducts/addUserGroup |
| Request | Method: POST, Content type: application/json |

| API Interface | Add User Group | |
|---|---|---|
| | Header | X-Tenant-Id |
| | Body | [{<br><br>    "tenantId": "1",<br><br>    "email": "nokiatestwing1@gmail.com",<br><br>    "userGroupId": "",<br><br>    "type": "orderSubmitted",<br><br>    "archived": true,<br><br>    "creationTimestamp": "2022-12-09T12:28:18.528Z",<br><br>    "modificationTimestamp": "2022-12-09T12:28:18.528Z"<br><br>  }] |
| | Body Datatype | Field: Datatype<br><br>  "tenantId": "string",<br><br>"email": "string",<br><br>"userGroupId": "string",<br><br>"type": "string",<br><br>"archived": true,<br><br>"creationTimestamp": ZonedDateTime,<br><br>"modificationTimestamp": ZonedDateTime |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Added User Group |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.4.2    Update User Group

**Description:**

This API is used to Update a user group.

| API Interface | Update User Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/simProducts/addUserGroup | |
| Request | Method: PUT, Content type: application/json | |
| | header | `Account-Context-Id, X-Tenant-Id` |
| | body | `[`<br>`  {`<br>`    "id": 0,`<br>`    "tenantId": "string",`<br>`    "email": "string",`<br>`    "userGroupId": "string",`<br>`    "type": "string",`<br>`    "archived": true,`<br>`    "creationTimestamp": "2023-02-24T09:40:20.201Z",`<br>`    "modificationTimestamp": "2023-02-24T09:40:20.201Z"`<br>`  }`<br>`]` |
| Response | Content Type |  application/json |
| HTTP Status | 200 – OK | Updated |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.4.3    Get User Group

**Description:**

This API can be used to fetch a User Group.

| API Interface | Get User Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/ sim-ordering/simProducts/addUserGroup | |
| Request | Method: GET, Content type: application/json | |
| | Header | `X-Tenant-Id` |
| Response | Content Type |  application/json |

| API Interface | Get User Group | |
|---|---|---|
| HTTP Status | 200 – OK | User Group details fetched |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.5 Product Account Assignment

### 8.5.1 Add Product Account Assignment

**Description:** This API is used to add a Product Account Assignment.

| API Interface | Add Product Account Assignment | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/product-account-assignments | |
| Request | Method: POST, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| | Body | {<br><br>   "tenantId": 1,<br><br>   "accountId": 285,<br><br>   "defaultPrice": true,<br><br>   "customerPrice": 1,<br><br>   "moq": 1,<br><br>   "productId": 10401<br><br> } |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Added |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |

| API Interface | Add Product Account Assignment | |
|---|---|---|
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.5.2   Update Product Account Assignment

**Description:**

This API is used to Update a product account assignment.

| API Interface | Update User Group | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/product-account-assignments/{id} | |
| Request | Method: PUT, Content type: application/json | |
| | Header | `Account-Context-Id, X-Tenant-Id` |
| | Body | { <br> "tenantId": 1, <br> "accountId": 285, <br> "defaultPrice": true, <br> "customerPrice": 1, <br> "moq": 1, <br> "productId": 10401 <br> } |
| | Body datatype | Filed: datatype <br> "id": long, <br> "tenantId": int, <br> "productId": int, <br> "accountId": int, <br> "defaultPrice": boolean, <br> "customerPrice": int, <br> "moq": int |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Updated |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Update User Group | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.5.3  Get Product Account Assignment

**Description:**

This API can be used to fetch a Product Account Assignment.

| API Interface | Get Product Account assignment | |
|---|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/product-account-assignments/{productCatalogueId} | |
| Request | Method: GET, Content type: application/json | |
| | Header | Account-Context-Id, X-Tenant-Id |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Product Account Assignment details fetched |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 8.5.4  Delete Product Account Assignment

**Description:**

This API can be used to Delete a Product Account Assignment.

| API Interface | Delete Product Account Assignment |
|---|---|
| URL | https://{apiGateway}/api/{version}/sim-ordering/product-account-assignments/{productCatalogueId}/{accountId} |
| Request | Method: DELETE, Content type: application/json |

| API Interface | Delete Product Account Assignment | |
|---|---|---|
| | Header | `Account-Context-Id, X-Tenant-Id` |
| Response | Content Type | application/json |
| HTTP Status | 200 – OK | Product Account Assignment details Deleted |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 9

## Notification Service

**NOKIA**

# 9 Notification Service

The following section specifies the APIs for Notification Service

{Version} example: v1

{baseURL} example: wdh-sitstg2.nokiawing.com

## 9.1 Search SMS

**Description:**

This API is used to search SMS in a date range.

| API Interface | Search SMS | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/notification/sms/searchsms | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Body | { <br>  "iccid":"8955644500001089016", <br>   "fromdate":"2023-02-14", <br>  "todate":"2023-02-16", (optional) <br>  "messagetype":"AO/MT" (optional) <br>} <br>Data Types <br>  String iccid; <br>  String accountid; <br>  String fromdate; <br>  String todate; <br>  String messagetype; <br><br>  Possible values :: messagetype : "AO/MT" or <br>            "MO/AT" |
| Response | Content Type | Text |
| HTTP Status | 200 – OK | [ <br>  { |

| API Interface | Search SMS | |
|---|---|---|
| | |     "id": 121,<br><br>    "messageText": "Session1",<br><br>    "eventTime": "2023-02-13T20:31:03.488+00:00",<br><br>    "originationMSISDN": "1234",<br><br>    "destinationMSISDN": "882362000349016",<br><br>    "iccid": "8955644500001089016",<br><br>    "accountId": "3034",<br><br>    "messageType": "AO/MT",<br><br>    "status": "Message Sent"<br><br>  },.......<br><br>]<br><br>Data Types<br><br>  Long id;<br><br>  String messageText;<br><br>  Date eventTime;<br><br>  String originationMSISDN;<br><br>  String destinationMSISDN;<br><br>  String iccid;<br><br>  String accountId;<br><br>  String messageType;<br><br>  String status; |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 9.2   Get SMS Details

**Description:**

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This API is used to fetch SMS details

| API Interface | Get SMS Details | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/notification/sms/getsmsdetails/{id} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | {<br><br>  "id": 121,<br><br>  "messageText": "Session1",<br><br>  "eventTime": "2023-02-13T20:31:03.488+00:00",<br><br>  "originationMSISDN": "1234",<br><br>  "destinationMSISDN": "882362000349016",<br><br>  "iccid": "8955644500001089016",<br><br>  "accountId": "3034",<br><br>  "messageType": "AO/MT",<br><br>  "status": "Message Sent"<br><br>}<br><br>Data Types<br><br>  Long id;<br><br>  String messageText;<br><br>  Date eventTime;<br><br>  String originationMSISDN;<br><br>  String destinationMSISDN;<br><br>  String iccid;<br><br>  String accountId;<br><br>  String messageType;<br><br>  String status; |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |

| API Interface | Get SMS Details | |
|---|---|---|
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 9.3   Send SMS

**Description:**

This API is used to send SMS to devices.

| API Interface | Send SMS | |
|---|---|---|
| URL | https://{baseURL}/api/v{Version}/notification/sms/sendsms | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Body | { "to":"<MSIDN1>,<MSIDN2>,<MSIDN3>,<MSIDN4>,……",<br>  "message":"<YOUR MESSAGE>"<br>} |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 10

Probe Handler

**NOKIA**

# 10  Probe Handler

This section specifies the APIs for Probe Handler.

{Version} example: v1

{baseURL} example: wdh-sitstg2.nokiawing.com

## 10.1  Get Network Registration Details

**Description:**

This API is used to fetch network registration details

| API Interface | Get Network Registration Details | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/probes/network-registration/{imsi} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | {<br>  "iccid": "8943050806272021348",<br>  "imsi": "232050300452139",<br>  "msisdn": "436996100097928",<br>  "networkName": "Hutchison Drei Austria GmbH",<br>  "country": "Austria",<br>  "ratType": "GERAN (2G)",<br>  "sgsn": "436990071412",<br>  "mme": "222",<br>  "vlr": "436990071301",<br>  "location": "32F2500C307610",<br>  "address": "194.24.157.5",<br>  "apn": "m2m.drei.at",<br>  "lastRegistered3G": "2023-02-27T15:08:35Z",<br>  "lastRegistered4G": null |

| API Interface | Get Network Registration Details | |
|---|---|---|
| | | } <br><br> Data Types <br> String iccid; <br> String imsi; <br> String msisdn; <br> String networkName; <br> String country; <br> String ratType; <br> String sgsn; <br> String mme; <br> String vlr; <br> String location; <br> String address; <br> String apn; <br> String lastRegistered3G; // date in iso 8601 <br> String lastRegistered4G; // date in iso 8601 |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 11

## Rest Gateway APIs

**NOKIA**

# 11  Rest Gateway APIs

The following section specifies Rest Gateways APIs.

{Version} example: v1

{baseURL} example: wdh-sitstg2.nokiawing.com

## 11.1  Get Device Usage

**Description:**

This API is used to fetch device usage details

| API Interface | Get Device Usage | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/channel-manager/subscription/{iccid}/usages?usageType={Online} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 – OK | {<br><br>  "iccid": "8988216716970004975",<br><br>  "imsi": "901161697004975",<br><br>  "msisdn": "882351697004975",<br><br>  "imei": "896045549689078",<br><br>  "simState": "ACTIVE",<br><br>  "ratePlan": "hphlr rp1",<br><br>  "dataUsage": 0,<br><br>  "smsUsage": 0,<br><br>  "voiceUsage": 0<br><br>}<br><br>Data Types<br><br>  String iccid; |

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| API Interface | Get Device Usage | |
|---|---|---|
| | | String imsi;<br><br>String msisdn;<br><br>String imei;<br><br>String simState;<br><br>String ratePlan;<br><br>long dataUsage;<br><br>long smsUsage;<br><br>long voiceUsage; |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

## 11.2 Get Device Usage by Zone

**Description:**

This API is used to fetch device usage details by zone

| API Interface | Get Device Usage by Zone | |
|---|---|---|
| URL | https://{baseURL}/api/{version}/channel-manager/subscription/{iccid}/usageInZone?usageType={Online} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br><br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 – OK | {<br>  "iccid": "8988217755520000031",<br>   "imsi": "901161697004975",<br>   "msisdn": "882351697004975", |

| API Interface | Get Device Usage by Zone |
| --- | --- |
| | <div align="right">"imei": "896045549689078",<br><br>"simState": "ACTIVE",<br><br>"timeStamp": "2016-11-10T05:31:17.557Z",<br><br>"billCycleStartDate": "2016-10-31T10:30:00.000Z",<br><br>"billCycleEndDate": "2016-11-30T10:29:59.000Z",<br><br>"billCycleUsageInZones": {<br><br>"Rate Plan A, 1": [<br><br>{<br><br>"ratePlan": "Rate Plan A",<br><br>"ratingZone": "default zone",<br><br>"dataUsage": 0,<br><br>"dataUsageUnit": "Bytes",<br><br>"smsMoUsage": 0,<br><br>"smsMtUsage": 0,<br><br>"voiceMoUsage": 0,<br><br>"voiceMoUsageUnit": "Seconds",<br><br>"voiceMtUsage": 600,<br><br>"voiceMtUsageUnit": "Seconds"<br><br>}<br><br>],<br><br>"Rate Plan B, 2": [<br><br>{<br><br>"ratePlan": "Rate Plan B",<br><br>"ratingZone": "default zone",<br><br>"dataUsage": 943718,<br><br>"dataUsageUnit": "Bytes",<br><br>"smsMoUsage": 0,<br><br>"smsMtUsage":  0,<br><br>"voiceMoUsage": null,<br><br>"voiceMoUsageUnit": "Seconds",<br><br>"voiceMtUsage": 943718,<br><br>"voiceMtUsageUnit": "Seconds",<br><br>}</div> |

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| API Interface | Get Device Usage by Zone | |
|---|---|---|
| | ] | |
| |  } | |
| | } | |
| | DATA TYPES | |
| |   String iccid; | |
| |   String imsi; | |
| |   String msisdn; | |
| |   String imei; | |
| |   String simState; | |
| |   Date timeStamp; | |
| |   Date billCycleStartDate; | |
| |   Date billCycleEndDate; | |
| |   String ratePlan; | |
| |   String ratingZone; | |
| |   long dataUsage; | |
| |   String dataUsageUnit; | |
| |   long smsMoUsage; | |
| |   long smsMtUsage; | |
| |   long voiceMoUsage; | |
| |   String voiceMoUsageUnit; | |
| |   long voiceMtUsage; | |
| |   String voiceMtUsageUnit; | |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

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## 11.3 Get Session Details

**Description:**

This API is used to fetch session details.

| API Interface | Get Session Details | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/channel-manager/subscription/{iccid}/sessionInfo?usageType={Online/Offline} | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 – OK | {<br>  "iccid": "8955644099890132669",<br>  "sessionId": "cmg.epc.mnc099.mcc404.3gppnetwork.org;11895c23;63e38b89;234500001312669-16967125",<br><br>  "sessionStatus": "Active",<br>  "sessionStartTime": "2023-02-8T06:16:17.000+00:00",<br>  "sessionEndTime": "2023-02-08T06:16:17.000+00:00",<br>  "ipAddress": "10.16.153.2",<br>  "apnName": "elektratest",<br>  "deviceLocation": "046480000004648000000000",<br>  "ratType": 6,<br>  "sgsnAddress": "135.87.3.186"<br>}<br><br>Data Types<br>    String iccid;<br>    String sessionId;<br>    String sessionStatus;<br>    Date sessionStartTime;<br>    Date sessionEndTime;<br>    String ipAddress;<br>    String apnName;<br>    String deviceLocation;<br>    int ratType;<br>    String sgsnAddress; |
| | 401 - Unauthorized | No valid JWT token provided. |

| API Interface | Get Session Details | |
|---|---|---|
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Notes: | | |
| Session details will be shared only for active sessions or ongoing sessions. | | |
| Last session details will be shared if in case there is no active session | | |

## 11.4 Get Usage by Rate Plan

### Description:

This API is used to fetch usage details by rate plan.

| API Interface | Get Usage by Rate Plan | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/channel-manager/ usages?usageType={Online }&ratePlanName={ratePlanName}&accountName={ accountName }&page={ pageNumber }&size={ pageSize } | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | { "ratePlanId": 200467, "ratePlanType": "Individual Bundle", "accountId": 7412, "accountName": "RAM_TESTING_2023", "zones": [ { "zone": "Ram-Mutiple Zone", "subscriptions": [ { "iccid": "8955644099890132791", "imsi": "234500001312791", |

| API Interface | Get Usage by Rate Plan |
|---|---|
| | <pre>                    "msisdn": "882362001032791",
                    "usage": {
                        "dataUsage": 6168045,
                        "smsMoUsage": 0,
                        "smsMtUsage": 0,
                        "voiceMoUsage": 0,
                        "voiceMtUsage": 0
                    }
                }
            ]
        },
        {
            "zone": "Default Zone",
            " subscriptions ": [
                {
                    "iccid": "8955644099890132791",
                    "imsi": "234500001312791",
                    "msisdn": "882362001032791",
                    "usage": {
                        "dataUsage": 0,
                        "smsMoUsage": 0,
                        "smsMtUsage": 0,
                        "voiceMoUsage": 0,
                        "voiceMtUsage": 0
                    }
                }
            ]
        }
    ],
    "pageNumber": 0
}

DATA TYPES
    long ratePlanId;
    int accountId;
    String accountName;
    String iccid;
    String imsi;
    String msisdn;
    String ratePlanType;
    String zone;</pre> |

| API Interface | Get Usage by Rate Plan |
|---|---|
| | long dataUsage;<br><br>long smsMoUsage;<br><br>long smsMtUsage;<br><br>long voiceMoUsage;<br><br>**long voiceMtUsage;** |
| | **401 - Unauthorized** No valid JWT token provided. |
| | **403 - Forbidden** User does not have permissions to perform the request. |
| | **429 - Too Many Requests** Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | **404 - Not Found** The requested resource does not exist. |
| | **500, 502, 503, 504 - Server Errors** Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 12

## Channel Management

**NOKIA**

# 12    Channel Management

This section specifies Channel Management APIs.

{Version} example: v1

{baseURL} example: wdh-sitstg2.nokiawing.com

## 12.1  Send PoD

**Description:**

This API is used to send PoD

| API Interface | Send PoD | |
|---|---|---|
| URL | https://{baseURL}/api/{Version}/channel-manager/terminateSession | |
| Request | Method: POST, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| | Body | {<br>  "imsi": "",<br>  "channel": "gy or radius",<br>  } |
| Response | Content Type | Text |
| HTTP Status | 202 | {<br>  "imsi": "",<br>  "channel": "gy or radius",<br>  "sessionId": "",<br>} |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 13

## API Gateway/NGINX

**NOKIA**

# 13  API Gateway/NGINX

{baseURL} example: wdh-sitstg2.nokiawing.com

## 13.1  Echo

**Description:**

This API is used for Echo.

| API Interface | Echo | |
|---|---|---|
| URL | https://{baseURL}/gateway/echo | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200-OK | ok // text or string |
| | 401 - Unauthorized | No valid JWT token provided. |
| | 403 - Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 14

Invoice Data

**NOKIA**

# 14  Invoice Data

{baseURL} example: wdh-sitstg2.nokiawing.com

## 14.1  Get Invoice Details

**Description:**

This API is used to get the details of the invoice for given account.

| API Interface | Get Invoice Details | |
|---|---|---|
| URL | https://{baseURL}/api/v1/invoice-data/invoice-data/v1/getInvoiceDetails/7633 | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'`<br>`'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | {<br>"accountName":"3AT Test 04 MRR_2505",<br>"status": "Draft",<br>"externalAccountId":"2341",<br>"billingPeriod":"2022-04-25",<br>"currency":"EUR",<br>"activeSubscribers": 2,<br>"masterAccountGrandTotalSub":4,<br>"dataUsage":34,<br>"smsUsage":55,<br>"voiceUsage":29,<br>"simChargesTotal":21,<br>"accountChargesTotal":7,<br>"accountTotal":4,<br>"masterAccountGrandTotalCharges":89<br>}<br>Data Types<br>String accountName; |

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| API Interface | Get Invoice Details | |
|---|---|---|
| | | String status; |
| | | String externalAccountId; |
| | | Date billingPeriod; |
| | | String currency; |
| | | int activeSubscribers; |
| | | int masterAccountGrandTotalSub; |
| | | double dataUsage; |
| | | double smsUsage; |
| | | double voiceUsage; |
| | | int simChargesTotal; |
| | | long accountChargesTotal; |
| | | long accountTotal; |
| | | double masterAccountGrandTotalCharges; |
| | 400 - Bad Request | The request was unacceptable, often due to missing a required parameter. |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

# Chapter 15

## Rating Service

**NOKIA**

# 15  Rating Service

{baseURL} example: wdh-sitstg2.nokiawing.com

{Version} example: v1

## 15.1  Get Rate Plan Name and ID

**Description:**

This API is used to get rate plan name and ID with filters Account ID and Rate plan ID.

| API Interface | Get Rate Plan Name and ID | |
|---|---|---|
| URL | https://{baseUrl}/api/{version}/rating/getrateplans | |
| Request | Method: GET, Content type: application/json | |
| | Header | 'Authorization: Bearer <ACCESS_TOKEN>'<br>'Account-Context-Id: <ACCOUNT_ID>' |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | [{<br>  "name": "rateplan1",<br>  "id": "1"<br>},<br>{<br>  "name": "rateplan2",<br>  "id": "2"<br>}]<br><br>Data Types<br>String name;<br>Long id; |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |

| API Interface | Get Rate Plan Name and ID | |
|---|---|---|
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |
| Examples: | | |
| 1. To get rateplan name, id by accountId and rateplanId https://{baseUrl}/api/v1/rating/getrateplans?accountId=1,2&rateplanId=1,2 2. To get rateplan name, id by accountId https://{baseUrl}/api/v1/rating/getrateplans?accountId=1,2 3. To get rateplan name, id by rateplanId https://{baseUrl}/api/v1/rating/getrateplans?rateplanId=1,2 | | |

## 15.2 Get Rate Plan Details by Rate Plan ID

**Description:**

This API is used to get rate plan details by Rate Plan ID.

| API Interface | Get Rate Plan Details with Rate Plan ID | |
|---|---|---|
| URL | https://{baseUrl}/api/{version}/rating/getrateplandetails?id | |
| Request | Method: GET, Content type: application/json | |
| | Header | `'Authorization: Bearer <ACCESS_TOKEN>'` `'Account-Context-Id: <ACCOUNT_ID>'` |
| Response | Content Type | Text |
| HTTP Status | 200 - OK | [<br>  {<br>    "name": "PP2",<br>    "id": 4044,<br>    "tenant_id": "7",<br>    "version": 0,<br>    "activation_fee": null,<br>    "network_access_fee": null,<br>    "subscription_fee": 10.0,<br>    "re_activation_fee": null,<br>    "pool_activation_fee": 0.0, |

| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|

```
                                "pool_subscription_fee": 0.0,

                                "start_date": "2022-05-11",

                                "end_date": "2022-05-31",

                                "plan_type": "Individual Bundle",

                                "status": "Draft",

                                "subscription_type": "Prepaid",

                                "included_test_data": 0,

                                "included_test_sms": null,

                                "included_test_voice": null,

                                "included_test_data_unit": "KB",

                                "included_test_sms_unit": "SMS",

                                "included_test_voice_unit": "Minute",

                                "expiry_date": null,

                                "trial_duration": 0,

                                "rounding_for_data": "None",

                                "rounding_for_voice": "None",

                                "timeinterval_id": 1101,

                                "tiered_volume_type": null,

                                "validity_period": 5,

                                "renew_on_expiry": true,

                                "band_labels": [

                                  {

                                      "id": 5023,

                                      "counter_data": 0,

                                      "counter_data_unit": "MB",

                                      "counter_sms_mo_unit": "0",

                                      "counter_sms_mt_unit": "0",

                                      "counter_voice_mo_unit": "0",

                                      "counter_voice_mt_unit": "0",

                                      "counter_sms_mo": 7,

                                      "counter_sms_mt": 0,

                                      "counter_voice_mo": 0,

                                      "counter_voice_mt": 0,

                                      "ratinggroup_id": null,

                                      "servicelist_id": 4146,

                                      "bandlabel_id": 4922,
```

| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|
|  | "renew_on_quota_exhaust": null,<br>"band_label": {<br>  "id": 4922,<br>  "name": "Default Zone-Test",<br>  "priority": 0,<br>  "origzonelabel_id": 1000,<br>  "destzonelabel_id": 1056<br>  },<br>  "rating_group": null<br>  },<br>  "rate_details": [<br>  {<br>  "id": 5062,<br>  "data_overage_rate": 0.0,<br>  "data_overage_rate_unit": "MB",<br>  "sms_mo_overage_rate": 0.0,<br>  "sms_mo_overage_rate_unit": "SMS",<br>  "sms_mt_overage_rate": 0.0,<br>  "sms_mt_overage_rate_unit": "SMS",<br>  "voice_mo_overage_rate": 0.0,<br>  "voice_mo_overage_rate_unit": "Minutes",<br>  "voice_mt_overage_rate": 0.0,<br>  "voice_mt_overage_rate_unit": "Minutes",<br>  "data_overage_rate_unit_factor": null,<br>  "bandlabel_id": 4921,<br>  "ratinggroup_id": null,<br>  "servicelist_id": 4146,<br>  "tier_volume_details": []<br>  },<br>  {<br>"servicetype": "Data",<br>"id": 4147,<br>"included_counters": [<br>  {<br>  "id": 5024,<br>  "counter_data": 2, |

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| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|
| | "counter_data_unit": "MB",<br><br>"counter_sms_mo_unit": "0",<br><br>"counter_sms_mt_unit": "0",<br><br>"counter_voice_mo_unit": "0",<br><br>"counter_voice_mt_unit": "0",<br><br>"counter_sms_mo": 0,<br><br>"counter_sms_mt": 0,<br><br>"counter_voice_mo": 0,<br><br>"counter_voice_mt": 0,<br><br>"ratinggroup_id": 1101,<br><br>"servicelist_id": 4147,<br><br>"bandlabel_id": 4926,<br><br>"renew_on_quota_exhaust": null,<br><br>"band_label": {<br><br>  "id": 4926,<br><br>  "name": "Test",<br><br>  "priority": 0,<br><br>  "origzonelabel_id": 1056,<br><br>  "destzonelabel_id": null<br><br>  },<br><br>  "rating_group": {<br><br>  "id": 1101,<br><br>  "rg_value": "0"<br><br>  }<br><br>  },<br><br>  ]<br><br> }<br><br>]<br><br>------------------------------------------<br><br>Data Types<br><br>[<br><br> {<br><br>  "name":String,<br><br>  "id":Long,<br><br>  "tenant_id": String,<br><br>  "version": int, |

| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|

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| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|
| | "activation_fee": BigDecimal, |
| | "network_access_fee":BigDecimal, |
| | "subscription_fee":BigDecimal, |
| | "re_activation_fee":BigDecimal, |
| | "pool_activation_fee":BigDecimal, |
| | "pool_subscription_fee": BigDecimal, |
| | "start_date": LocalDate, |
| | "end_date": LocalDate, |
| | "plan_type":String, |
| | "status":String, |
| | "subscription_type": String, |
| | "included_test_data": Long, |
| | "included_test_sms": Long, |
| | "included_test_voice": Long, |
| | "included_test_data_unit": String, |
| | "included_test_sms_unit": String, |
| | "included_test_voice_unit": String, |
| | "expiry_date": LocalDate, |
| | "trial_duration": Integer, |
| | "rounding_for_data": String, |
| | "rounding_for_voice":String, |
| | "timeinterval_id":int, |
| | "tiered_volume_type":"MRC"/"USEAGE"/"BOTH"/"NONE", |
| | "validity_period": Integer, |
| | "renew_on_expiry":Boolean, |
| | "band_labels": [ |
| |   { |
| |     "id":Long, |
| |     "name": String, |
| |     "priority": Integer, |
| |     "destzonelabel_id": Long, |
| |     "origzonelabel_id": Long, |
| |   } |
| | ], |
| | "service_lists": [ |
| |   { |

| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|

```
                                    "servicetype":"VOICE"/"DATA"/"SMS,
                                    "id":Long,
                                    "included_counters": [
                                    {
                                        "id":Long,
                                        "counter_data": Long,
                                        "counter_data_unit": String,
                                        "counter_sms_mo_unit": String,
                                        "counter_sms_mt_unit": String,
                                        "counter_voice_mo_unit": String,
                                        "counter_voice_mt_unit": String,
                                        "counter_sms_mo": Long,
                                        "counter_sms_mt": long,
                                        "counter_voice_mo": long,
                                        "counter_voice_mt": long,
                                        "ratinggroup_id":Long,
                                        "servicelist_id":Long,
                                        "bandlabel_id":Long,
                                        "renew_on_quota_exhaust":Boolean,
                                        "band_label": {
                                          "id":Long,
                                          "name": String,
                                          "priority": Integer,
                                          "destzonelabel_id": Long,
                                         "origzonelabel_id": Long,
                                        },
                                                        "rating_group": {
                                                         "id":long,
                                                         "tenant_id":String,
                                                         "isDefault": Boolean
                                                         }
                                                }
                                    ],
                                        "rate_details": [
                                          {
                                                "id":Long,
```

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| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|

"da-ta_overage_rate":BigDecimal,

"data_overage_rate_unit": String,

"sms_mo_overage_rate": BigDecimal ,

"sms_mo_overage_rate_unit":String,

"sms_mt_overage_rate": BigDecimal,

"sms_mt_overage_rate_unit":String,

"voice_mo_overage_rate": BigDecimal,

"voice_mo_overage_rate_unit": String,

"voice_mt_overage_rate": 0.0,

"voice_mt_overage_rate_unit": String,

"da-ta_overage_rate_unit_factor":BigDecimal,

"bandlabel_id":Long,

"ratinggroup_id":Long,

"servicelist_id":Long,

"tier_volume_details": [{

    "tier_limit": String,

    "ratedetail_id":Long,

"mrc": BigDecimal,

    "id":Long

    }]

  }]

}],

    "zone_label_priorities": [

{

  "id": Long,

  "label_type": String,

  "priority": Integer,

  "zonelabel_id": long,

  "zone_label": {

    "name": String

  }

 }

],

"rel_rateplan__ratinggroups": [

 {

   "rating_group": {

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| API Interface | Get Rate Plan Details with Rate Plan ID |
|---|---|
| | <div>    "rg_value": String,<br><br>    "tenant_id": String<br><br>   },<br><br>   "ratinggroup_id": Long<br><br>  }<br><br> ]<br><br> }<br><br>]</div> |

| | 401 – Unauthorized | No valid JWT token provided. |
|---|---|---|
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

Examples:

1. To get rateplan name, id by accountId and rateplanId

https://{baseUrl}/api/v1/rating/getrateplans?accountId=1,2&rateplanId=1,2

2. To get rateplan name, id by accountId

https://{baseUrl}/api/v1/rating/getrateplans?accountId=1,2

3. To get rateplan name, id by rateplanId

https://{baseUrl}/api/v1/rating/getrateplans?rateplanId=1,2

# Chapter 16

## Change Static IP

**NOKIA**

# 16  Change Static IP

**Description:**

This API Changes the current static IP address assigned to a SIM for another one available in any of the IP Pools of the static APNs that the SIM has assigned. After the change the previous IP address is made available. SIM should have a static IP assigned previously.

{baseURL} example: wdh-sitstg2.nokiawing.com

{Version} example: v1

| API Interface | Change Static IP | | |
|---|---|---|---|
| URL | https://{baseURL}/api/{Version}/subscription/sims/change/ipaddress | | |
| Request | Method: POST, Content type: application/json | | |
| | Header | 'Authorization: Bearer <ACCESS_TOKEN>'<br><br>'Account-Context-Id: <ACCOUNT_ID>' | |
| | Body | { <br>   "accountId": 7918,<br>   "apnGroupName": "G5",<br>   "apnName": "mani_03",<br>   "iccid": "1955644099890010269",<br>   "imsi": "234509001020269",<br>   "ipAddress": "10.21.120.97",<br>   "ipPoolName": "mani_03"<br>} | |
| | Request Parameters | ICCID<br>APN Group Name<br>APN name<br>IP Pool<br>IP Address | |
| Response | Content Type | application/json | |
| HTTP Status | 202 – Accepted | {<br>   "iccid": "1955644099890010269",<br>   "imsi": "234509001020269",<br>   "accountId": 7918,<br>   "apnName": "mani_03", | |

| API Interface | Change Static IP | |
|---|---|---|
| | | "ipAddress": "10.21.120.97",<br><br>"apnGroupName": "G5",<br><br>"wdhTransactionId": "d0543b21-37b2-48fe-9ace-08880f01fa72"<br><br>} |
| | 401 – Unauthorized | No valid JWT token provided. |
| | 403 – Forbidden | User does not have permissions to perform the request. |
| | 429 - Too Many Requests | Too many requests hit the API too quickly. We recommend an exponential backoff of your requests. |
| | 404 - Not Found | The requested resource does not exist. |
| | 500, 502, 503, 504 - Server Errors | Something went wrong on WING Digital Hub's end. Contact WING Digital Hub support to resolve these issues. |

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