Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Author** | **Change Details** |
| 4/28/2017 | 0.3 | Zoltan Homorodi | Initial draft |
| 5/8/2017 | 0.4 | Zoltan Homorodi | Query API added.  Changed email attribute names to lower case |
|  |  |  |  |

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# Introduction

This document provides the interface specification for the federated B2B provisioning APIs. These APIs utilize REST based web services. The provisioning systems need to perform HTTPS POST requests with the required payload in JSON format. The following sections describe the interface end point and details on the JSON fields.

# Service End Point

The B2B Federation Provisioning API is publicly accessible and available via IPv4.

All interaction with this service has to be via HTTP**S**.

# API Specification

## Create Federated ID

### Request

#### URL

https://{host}:{port}/provisioning/v1/fedId

Staging URL: https://p18web.stg.t-mobile.com/provisioning/v1/fedId

#### Method

POST

#### Header

|  |  |
| --- | --- |
| Accept: application/json; charset=UTF-8 | Optional |
| Authorization: Basic Base64<user:password> | Mandatory  Access credentials for the provisioning client |
| Transaction-ID | OPTIONAL  This header is used for request tracing purpose. |
| Content-Type | application/json |

The body contains the array of Federated ID data.

[{    
   **"iamUserId"**:"U-82bf6ba6-88f5-4049-b86c-860dca0c9fb3",

**"email"**:"email@mobile.com**"**,

**"federatedUserId"**:**"**nwekiunfwku.2342.t43c:43d2**"**,

**"tenantId"**:**"**xyz123**"**,

**"status"**:**"**ACTIVE**"**,

**"role"**:**"**superadmin**"**

}]

#### Data Definition

|  |  |  |  |
| --- | --- | --- | --- |
| **Request Data** | **Type** |  | **Description** |
| iamUserId | String | O | IAM userId |
| email | String | M | Federated Email address of the user |
| federatedUserId | String | O | Federated UID |
| tenantId | String | M | Tenant identifier assigned to the enterprise. Corporate Node ID |
| status | String | M | PENDING  ACTIVE  LOCKED  CANCELLED |
| role | String | M | Role name assigned to user.  Superadmin for top admin, or other roles already created. |
| banlist | Array of Strings | O | List of BAN’s |
| features | Array of Objects | O |  |
| features.featurename | String | O | The name of the feature |
| features.type | String | O | The type of the feature |
| features.attributes | Array of Objects | O |  |
| features.attributes.name | String | O | The Name of the attribute |
| features.attributes.value | String | O | The Value of the attribute |
| businessSOC | Array of Strings | O |  |
| DIDline | Array of Strings | O | Assigned DID lines |
| extensions | Array of Strings | O | Extensions assigned |
| desklines | Array of Strings | O | Desk lines assigned |

### Response

#### Success

200 OK

wi

{    
   **"iamUserId"**:"U-82bf6ba6-88f5-4049-b86c-860dca0c9fb3",

**"email"**:" email@gmail.com”,

**“tenantId”**:”xyz123”

}

#### Data Definition

|  |  |  |  |
| --- | --- | --- | --- |
| **Response Data** | **Type** |  | **Description** |
| iamUserId | String | O | IAM userId |
| email | String | O | Federated Email address of the user |
| tenantId | String | O | Tenant identifier assigned to the enterprise. Corporate Node ID |
| error\_description | String | O | Missing mandatory attribute.  Conflicting data  Invalid attribute |
| error\_detail | String | O | The attribute name for the error |

#### Bad Request

400 Bad Request

{    
  “**error\_description”**:”Missing mandatory attribute”,

“**error\_detail”**:”email”  
}

#### Unauthorized

401 Unauthorized

#### Forbidden

403 Forbidden

## Query Federated ID

### Request

#### URL

https://{host}:{port}/provisioning/v1/fedId

Staging URL: https://p18web.stg.t-mobile.com/provisioning/v1/fedId

#### Method

GET

#### Header

|  |  |
| --- | --- |
| Accept: application/json; charset=UTF-8 | Optional |
| Authorization: Basic Base64<user:password> | Mandatory  Access credentials for the provisioning client |
| Transaction-ID | OPTIONAL  This header is used for request tracing purpose. |
| Content-Type | application/json |

#### Query Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **Request Data** | **Type** |  | **Description** |
| iamUserId | String | O | IAM userId |
| email | String | O | Federated Email address of the user |
| tenantId | String | O | Tenant ID ( |

One of the **iamUserID** or the **email** is **Mandatory**.

If tenantId is provided, BIF will filter to only return that tenant.

### Response

#### Data Definition

|  |  |  |  |
| --- | --- | --- | --- |
| **Response Data** | **Type** |  | **Description** |
| iamUserId | String | O | IAM userId |
| email | String | M | Federated Email address of the user |
| federatedUserId | String | O | Federated UID |
| tenantId | String | M | Tenant identifier assigned to the enterprise. Corporate Node ID |
| status | String | M | PENDING  ACTIVE  LOCKED  CANCELLED |
| role | String | M | Role name assigned to user.  Superadmin for top admin, or other roles already created. |
| banlist | Array of Strings | O | List of BAN’s |
| features | Array of Objects | O |  |
| features.featurename | String | O | The name of the feature |
| features.type | String | O | The type of the feature |
| features.attributes | Array of Objects | O |  |
| features.attributes.name | String | O | The Name of the attribute |
| features.attributes.value | String | O | The Value of the attribute |
| businessSOC | Array of Strings | O |  |
| DIDline | Array of Strings | O | Assigned DID lines |
| extensions | Array of Strings | O | Extensions assigned |
| desklines | Array of Strings | O | Desk lines assigned |
| error\_description | String | O | Missing mandatory attribute.  Conflicting data  Invalid attribute |
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#### Success

200 OK

[{    
   **"iamUserId"**:"U-82bf6ba6-88f5-4049-b86c-860dca0c9fb3",

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**"****federatedUserId"**:**"**nwekiunfwku.2342.t43c:43d2**"**,

**"tenantId"**:**"**xyz123**"**,

**"****status"**:**"**ACTIVE**"**,

**"****role"**:**"**superadmin**"**

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