**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**API Specification Doc**

**(*Web API- Costing Web service*)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Costing WEB API SPECIFICATION

VERSION 1.3

20/01/2015

Created By: KARTHIKEYAN DANUSKODI

**Index**

Contents

[Document Acceptance and Release Notice 2](#_Toc406495045)

[**Amendment History:** 2](#_Toc406495046)

[**Amendments in this release:** 3](#_Toc406495047)

[Costing Web API 5](#_Toc406495048)

[1. GetDataSet 6](#_Toc406495049)

[Request 6](#_Toc406495050)

[2. GetCategories 6](#_Toc406495051)

[Request 7](#_Toc406495052)

[3. GetCategoryEntriesWithItems 8](#_Toc406495053)

[Request 8](#_Toc406495054)

[4. GetItemCostingById 9](#_Toc406495055)

[Conventions 11](#_Toc406495056)

[Status Codes 11](#_Toc406495057)

## 

# Payment Gateway User Management Rest API

Rest API’s

# Get Users Role

This API will return all the data list of the institution users in Payment Gateway.

There is no input parameter, open list API.

### Content Type

**application/json; charset= utf- 8**

### Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | pg-iam/api/v1/userRole/list |

### Response

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** |  |
| status | Integer | "status": 200, |
| data | Array | "data": [] |
| userRoleId | Long | "userRoleId": 201921371598166, |
| userRoleName | String | "userRoleName": "It Security", |
| desc | String | "desc": "User Management Role" |
| message | String | "message": "Data Retrieved Successfully." |

### Sample Response

{

    "status": 200,

    "data": [

        {

            "userRoleId": 201921371598166,

            "userRoleName": "It Security",

            "desc": "User Management Role"

        },

        {

            "userRoleId": 201626251132531,

            "userRoleName": "Institutionuserrole",

            "desc": "Institution user role"

        }

    ],

    "message": "Data Retrieved Successfully."

}

# Get User Role detail by User Role Id

This API is used to retrieve the user role detail object using the user Role id, request and response object were mentioned detail below.

***Content Type***

**application/json; charset= utf- 8**

### Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | pg-iam/api/v1/userRole/{userRoleId} |

Input parameter in Url

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| userRoleId | Long | pg-iam/api/v1/userRole/201921371598166 |

### Response

Output Parameters for the response Json

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| status | Integer | "status": 200, |
| data | Array | "data": [] |
| userRoleId | Long | "userRoleId": 201921371598166, |
| userRoleName | String | "userRoleName": "It Security", |
| desc | String | "desc": "User Management Role" |
| message | String | "message": "Data Retrieved Successfully." |

### Sample Response

{

    "status": 200,

    "data": {

        "userRoleId": 201921371598166,

        "userRoleName": "It Security",

        "desc": "User Management Role"

    },

    "message": "Data Retrevied Successfully."

}

# Get Users List

This API will return all the data list of the institution users in Payment Gateway.

There is no input parameter, open list API.

### Content Type

**application/json; charset= utf- 8**

### Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | pg-iam/api/v1/user/list |

### Response

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** |  |
| status | Integer | "status": 200, |
| data | Array | "data": [] |
| userKey | Long | "userKey": 873250629735, |
| userId | String | "userId": "OABADMIN1", |
| userName | String | "userName": "OAB Admin User By API", |
| userRoleId | Long | "userRoleId": 201624326951012, |
| emailId | String | "emailId": "user@oman-arabbank.com", |
| mobile | String | "mobile": "96896097008", |
| userExpFlag | Integer | "userExpFlag": 0, |
| userExpPrd | Integer | "userExpPrd": 0, |
| workStTime | String | "workStTime": "0000", |
| workEndTime | String | "workEndTime": "2359", |
| failedAttempts | Integer | "failedAttempts": 0, |
| blocked | Integer | "blocked": 0, |
| mustChange | Integer | "mustChange": 1, |
| userType | Integer | "userType": 2, |
| Desc | String | "desc": "GENERAL MANAGER" |

### Sample Response

{

    "status": 200,

    "data": [

        {

            "userKey": 873250629735,

            "userId": "OABADMIN1",

            "userName": "OAB Admin User By API",

            "userRoleId": 201624326951012,

            "emailId": "sundaresh.kumar@oman-arabbank.com",

            "mobile": "96896097008",

            "userExpFlag": 0,

            "userExpPrd": 0,

            "workStTime": "0000",

            "workEndTime": "2359",

            "failedAttempts": 0,

            "blocked": 0,

            "mustChange": 1,

            "userType": 2,

            "desc": "GENERAL MANAGER"

        },

        {

            "userKey": 1437911467,

            "userId": "OABADMIN2",

            "userName": "OAB Admin User By API",

            "userRoleId": 201624326951012,

            "emailId": "sundaresh.kumar@oman-arabbank.com",

            "mobile": "96896097008",

            "userExpFlag": 0,

            "userExpPrd": 0,

            "workStTime": "0000",

            "workEndTime": "2359",

            "failedAttempts": 0,

            "blocked": 0,

            "mustChange": 1,

            "userType": 2,

            "desc": "GENERAL MANAGER"

        }

    ],

    "message": "Data Retrieved Successfully."

}

# Create User

This API will create bank users in Payment Gateway and returns unique id of the created user.

An input parameters are in json format as mentioned below.

### Content Type

**application/json; charset= utf- 8**

### Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | pg-iam/api/v1/user/create |

Input Parameters for the request Json

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| userId | String | "userId":"SUNDARESH", |
| userName | String | "userName":"Sundaresh Kumar KV", |
| userRoleId | Long | "userRoleId":"92182148209", |
| emailId | String | "emailId":"sundaresh.kumar@oman-arabbank.com", |
| mobile | String | "mobile":"96894713098", |
| mustChange | Integer | "mustChange":1 |
| userExpFlag | Integer | "userExpFlag": 0, |
| userExpPrd | Integer | "userExpPrd": 0, |
| workStTime | String | "workStTime": "0000", |
| workEndTime | String | "workEndTime": "2359", |
| desc | String | "desc": "oabuser" |

### Sample Request

{

    "userId": "OABADMIN3",

    "userName": "Sundaresh Kumar KV",

    "userRoleId": 201624326951012,

    "emailId": "sundaresh.kumar@oman-arabbank.com",

    "mobile": "96896097008",

    "userExpFlag": 0,

    "userExpPrd": 0,

    "workStTime": "0000",

    "workEndTime": "2359",

    "blocked": 0,

    "desc": "API Test User"

}

### Response

Output Parameters for the response Json

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| status | Integer | "status": 200, |
| data | String | "data": "980739734534" |
| message | String | "message": "User Created Successfully." |

### Sample Response

{

    "status": 200,

    "data": "93874928432042",

    "message": " User Created Successfully."

}

# Get User detail by UserId

This API is used to retrieve the user detail object using the user id, request and response object were mentioned detail below.

***Content Type***

**application/json; charset= utf- 8**

### Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | pg-iam/api/v1/user/{userId} |

Input parameter in Url

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| userId | String | pg-iam/api/v1/user/OABADMIN3 |

### Response

Output Parameters for the response Json

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| status | Integer | "status": 200, |
| data | String | "data": "980739734534" |
| message | String | "message": "User Created Successfully." |
| userKey | Long | "userKey": 873250629735, |
| userId | String | "userId": "OABADMIN1", |
| userName | String | "userName": "OAB Admin User By API", |
| userRoleId | Long | "userRoleId": 201624326951012, |
| emailId | String | "emailId": "user@oman-arabbank.com", |
| mobile | String | "mobile": "96896097008", |
| userExpFlag | Integer | "userExpFlag": 0, |
| userExpPrd | Integer | "userExpPrd": 0, |
| workStTime | String | "workStTime": "0000", |
| workEndTime | String | "workEndTime": "2359", |
| failedAttempts | Integer | "failedAttempts": 0, |
| blocked | Integer | "blocked": 0, |
| mustChange | Integer | "mustChange": 1, |
| userType | Integer | "userType": 2, |
| Desc | String | "desc": "GENERAL MANAGER" |
| message | String | "message": "Data Retrieved Successfully." |

### Sample Response

{

    "status": 200,

    "data": {

        "userKey": 347504709,

        "userId": "OABADMIN3",

        "userName": "Sundaresh Kumar KV",

        "userRoleId": 201624326951012,

        "emailId": "sundaresh.kumar@oman-arabbank.com",

        "mobile": "96896097008",

        "userExpFlag": 0,

        "userExpPrd": 0,

        "workStTime": "0000",

        "workEndTime": "2259",

        "failedAttempts": 0,

        "blocked": 0,

        "mustChange": 1,

        "userType": 2,

        "desc": "API Test User Test Updae",

        "status": "Active"

    },

    "message": "Data Retrieved Successfully."

}

## 4. Change Status of User

This API will change the status of the user from active to Inactive and from Inactive to active by the user Id.

***Content Type***

**application/json; charset= utf- 8**

### Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | pg-iam/api/v1/user/changeStatus |

Input Parameters for the request Json

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| userId | String | "userId":"SUNDARESH", |
| status | String | "status": "active", "status": "inActive" |

### Response

Output Parameters for the response Json

|  |  |  |
| --- | --- | --- |
| **Parameters** | **Values** | **Description** |
| status | Integer | "status": 200, |
| data | Integer | "data": 1 |
| message | String | "message": "Status changed successfully." |

### Sample Response

{

    "status": 200,

    "data": 1,

    "message": "Status changed successfully."

}

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All response is in Json format.

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |