MEO

API Reference

**Version 3.3**

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| **DOCUMENT NAME** | MEO API Reference – v3.1.docx |
| **ABSTRACT** |  |
| **DOCUMENT REFERENCE** |  |
| **DOCUMENT ID** |  |

**APPROVAL**

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**VERSION HISTORY**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Prepared By** | **Reason For Change** |
| 0.1 | 01-Jan-2015 | Liu Yang | Initial version |
| 1.3 | 10-Apr-2015 | Zhang Xuefeng | Change design according to revised requirement |
| 1.4 | 13-Apr-2015 | Zhang Xuefeng | 1. Remove *avatarURL* from **Modify Partner Basic Profile** 2. Add parameter *description* into **Get Partner List** to describe status of partner 3. Add parameter *description* into **Get Partner Info** to describe status of partner 4. Move *pagesize, pageNo* out of complex entity *partnerCondition* |
| 1.5 | 22-Apr-2015 | Zhang Xuefeng | Revise the API based on the feedback from Front-end team |
| 1.6 | 22-Apr-2015 | Zhang Xuefeng | Refine the HTTP URL for all APIs |
| 1.7 | 23-Apr-2015 | Zhang Xuefeng | Change parameter **billAddr** to **Y** in API **Create Partner** according to BRD |
| 1.8 | 27-Apr-2015 | Zhang Xuefeng | To amend according to the result of testing:  **Activate Contract**   * contractID -> contracId   **Get Contract Info**   * **C**ontract -> **c**ontract * **C**ontractName -> **c**ontractName   Modify HTTP Method from Get/Post to remove Post support for the following API:   * Get OTP * Get Contract Info * Get Customer Info * Get Customer Setting   **Set Customer Setting**  Chang the request Application parameter.  **Modify Customer Basic Profile / Create Customer Basic Profile**   * emailaddr -> email**A**ddr |
| 1.9 | 30-Apr-2015 | Zhang Xuefeng | **Get OTP**   * change http method from Get to post * Amend method name from getOTP to getOtp   **Get Partner List**   * partnerId, company name are changed to optional   **Modify partner basic profile**   * Add parameter registrationForm |
| 2.0 | 12-May-2015 | Zhang Xuefeng | 1. **Add campaign relevant API.** 2. **Get Partner List**  * Change application parameter*partnerId, companyname* to optional.  1. **Customer Sign up** 2. **Get OTP**  * Change application parameter name from *regionCode* to *countryCode*  1. Newly add API **Get OTP by bound mobile** 2. **Customer Login**  * Change method to **meo.customer.login**  1. **Remove Bind Mobile No** 2. Newly add API **Upload Avatar** 3. Newly add API **Upload File** 4. **Search campaign basic information**  * Add **campaginNo** into return result. |
| 2.1 | 21-May-2015 | Zhang Xuefeng | 1. **Search campaign basic information**  * Return **campaignNo** * Return multiple versions in array for a campaign.  1. **Get Customer Info**  * Change type of avatarURL from int to string  1. **Create Customer Basic Profile**  * Add avatarURL  1. **Modify Customer Basic Profile**  * Add avatarURL |
| 2.2 | 16-June-2015 | Zhang Xuefeng | **Add new API**   * **Get Asset Balance** * **Modify Product Mapping** |
| 2.5 | 08-July-2015 | Zhang Xuefeng | **Add new API:**   * **List Enum Code** * **Save Enum Group Definition**   **Modify API:**  **-Get Hot Campaign,** add groupCode as new request parameter  **-Get New Campaign,** add groupCode as new request parameter |
| 2.6 | 10-July-2015 | Zhang Xuefeng | **Add new API**   * **Save product category definition** * **Create contract template information** * **List contract template** * **Get contract template by template id** * **List campaign by category id** |
| 2.7 | 15-July-2015 | Zhengzy | **Add enumeration values**   * **Add groupCode** |
| 2.8 | 16-July-2015 | Zhoujj | **Add property value type enums** |
| 2.9 | 24-July-2015 | zhengzy | **Add new api for userPrivilege**   * **Add role information** * **Modify role information** * **Delete role information role id** * **Get role information list** * **Get role privilege list** * **Get system user privilege by user id** * **Get system user list** * **Create system user** * **Modify system user** * **Delete system user by user id** * **Get menu list** * **Add menu** * **Modify menu** * **Delete menu** * **Get operation list** * **Add operation function** * **Delete operation function** * **Create role privilege** * **Delete menu privilege** * **Delete operate privilege** * **Delete role privilege by role id** * **Reset system user password** |
| 3.0 | 28-July-2015 | zhoujj | **Update eunm value** |
| 3.1 | 29-July-2015 | Zhengzy | **Update the api**   * **Get system user list** * **Create system user** * **Modify system user** * **Get system user privilege by user id**   **Add the api**   * **Check the customer loginAcct repeat** * **Check the partner loginAcct repeat** |
| 3.2 | 30-July-2015 | liuyang | **Update the api**  **-redeem product campaign**  **-reset customer password**  **-reset partner password**  **-get basic product information by product id**  **-** **List campaign by using category ID**  **Add new api:**  **-List language value**  **-List country value** |
| 3.2 | 6-August-2015 | zhengzy | **Modify the api**  **-Get campaign detail information by campaign id**  **-Get system user list**  **-Create system user**  **-Modify system user** |
| 3.2 | 11-August-2015 | nick | **Modify the api**  **- Get partner profile**  **- Get system user list** |
| 3.2 | 14-august-2015 | Zhoujj | **Add the api**  **- Modify campaign property define** |
| 3.2 | 18-august-2015 | zhengzy | **Add the api**  **- Get system user by user id**  **Modify the api**  **-List Hot Campaign**  **-List New Campaign**  **-Get System User List**  **-** L**ist campaign by group code and category id list** |
| 3.2 | 20-august-2015 | zhengzy | **Add the api**  **-Get All Partner List**  **Modify the api**  **-Get Partner List** |
| 3.3 | 24-august-2015 | zhengzy | **Modify the api**  **-** **Get campaign detail information by campaign id** |
| 3.3 | 25-august-2015 | zhengzy | **Modify the api**  **-search campaign basic information** |
| 3.3 | 27-august-2015 | zhengzy | **Add the api**  **-List all campaign**  **-List resource by custId** |
| 3.3 | 28-august-2015 | zhengzy | **Modify the api**  **-Modify campaign property define** |
| 3.3 | 31-augues-2015 | Zhoujj | **Modify the api**  **-get campaign list by campaign type**  **Add the api**  **-modify mno**  **-modify mobile nmber** |
| 3.3 | 1- September-2015 | zhengzy | **Modify the api**  **-** **2.111 Save Campaign Group Definition** |
| 3.3 | 11- September-2015 | zhengzy | **Modify the api**  **-2.32Get campaign detail by campaign id**  **-2.33Get campaign task by campaign id**  **-2.34 List Hot Campaign**  **-2.35 List New Campaign**  **-2.37 List APP Category**  **-2.44 Get campaign detail information by campaign id**  **-2.114 List all campaign** |
| 3.3 | 14- September-2015 | zhengzy | **Modify the api**  **-2.114 List all campaign** |
| 3.3 | 15- September-2015 | zhengzy | **Modify the api**  **-2.31Get campaign basic info by campaign id**  **-2.114 List all campaign** -2.30 Search campaign basic information |
| 3.3 | 16- September-2015 | zhengzy | **Modify the api**  **-2.34 List Hot Campaign**  **-2.35 List New Campaign**  **-2.44 Get campaign detail information by campaign id**  **-2.114 List all campaign** |
| 3.3 | 21- September-2015 | zhengzy | **Modify the api**  **-2.30 Search Campaign basic information** |
| 3.3 | 22- September-2015 | Unnop | **Add the api**  **-2.146 Get Menu By Menu ID** |
| 3.3 | 24- September-2015 | zhengzy | **Modify the api**  **- 2.31Get campaign basic info by campaign id** |
| 3.3 | 24- September-2015 | Unnop | **Modify the api**  **-2.91 menu list**  **-2.92 add menu**  **-2.93 modify menu**  **-2.146 get menu by menu ID** |
| 3.3 | 12- October-2015 | zhengzy | **Modify the api**  **-** **2.26 Save Campaign**  **-** **2.27 Publish Campaign** |
| 3.3 | 14-October-2015 | Unnop | **Removing about notification and message template modules from this file and move to Notification file** |
| 3.3 | 14-October-2015 | zhengzy | **Modify the api**  **-2.26 Save Campaign**  **-2.27 Publish Campaign**  **-2.33 Get Campaign task by campaign id**  **-2.44 Get campaign detail information by campaign id**  **-2.34 List Hot Campaign**  **-2.35 List New Campaign**  **-2.117 List all campaign** |
| 3.3 | 15-October-2015 | zhengzy | **Modify the api**  **-2.31 Get Campaign basic info by campaign id** |
| 3.3 | 16-October-2015 | zhengzy | **Add the api**  **-2.132 Get campaign product info by campaignId** |

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# Introduction

## Document Purpose

The purpose of this document is to define and describe the specification of API provided by platform which is used to be invoked by front-end applications, such as mobile APP, Web portal. An application developer can consider it as a reference manual for APIs. This document will be updated and released based on the business requirement and design if necessary.

## Document Scope

Chapter 2 describe the specification of API from:

* HTTP URL
* HTTP Method
* Request send to platform while invoking API
* Response responded to invoker in case of successful or failed.
* Example will demonstrate how to use API

Chapter 3 defines the list of value of enumeration should be used while exchanging information.

## Glossaries and Abbreviations

In the table below define all terminologies which the audience might not understand, including specific terms, abbreviations and acronyms.

| **Term / Acronym** | **Definition** |
| --- | --- |
| HTTPS | Hyper Text Transfer Protocol over Secure Socket Layer |
| HTTP | Hyper Text Transfer Protocol |
| URL | Uniform Resource Locator |
| LOV | List of Value |
|  |  |

Table 1‑1 Glossaries and Abbreviations

# API Specification

## Customer Sign up

If a customer wants to use the MEO Mobile APP, he has to register in MEO first. MEO Mobile APP will send the order with customer information to MEO platform to register a new customer.

The client need invoke this interface when customer click the log in function.

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/passport/signup

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.customer.signup** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| login | loginAcct | string | Y | Login account. Username |
| password | string | Y | Encrypted login password. MEO@123/OTP |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| bind | mobileNo | string | Y | Mobile number of customer login to MEO app |
| otp | string | Y | The one time password |
| mnoId | int | Y | Mobile operator of customer login to MEO app. [Mno type](#_MNO_Type) |
| countryCode | int | Y | Country /Region code, by default 66(Thailand) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| device | deviceType | int | Y | The device type of User login. Ref [Device type](#_Device_type) |
| deviceToken | string | Y | The device token |
| osVersion | string | Y | The client OS |
| osType | int | Y | The client [OS type](#_OS_type) |
| udid | string | Y | International Mobile Equipment Id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | accessToken | string | Y | For Invoking API sequentially. |
| accessTokenExpired | long | Y | Expire time. The access token will be invalid after this time. After then, refresh or re-login is required.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| refreshToken | string | Y | Refresh token, it is used to invoke refresh API to retrieve new access token, refresh token without login again. |
| refreshTokenExpired | long | Y | The refresh token will expire after refresh token expired time.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| secretkey | string | Y | It is a key to encode information need to be exchanged between client and server. |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/signup?method=meo.customer.signup&timestamp=1431404353454&format=json&v=1*

* **Request Body:**

*{*

*"login": {*

*"loginAcct": "meo-2012@qq.com",*

*"password": "12345678"*

*},*

*"bind": {*

*"mobileNo": "0303928388",*

*"otp": "381052",*

*"mnoId": 1,*

*"countryCode": 1*

*},*

*"device": {*

*"deviceType": 1,*

*"deviceToken": "10001",*

*"osVersion": "ios4.0",*

*"osType": 1,*

*"udid": "200001"*

*}*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201505121420570000000009",*

*"doneTime": 1431415304767,*

*"body": {*

*"accessToken": "e8112e80ba3d46fcb9c0fc93d89e3c74",*

*"accessTokenExpired": 1432020100059,*

*"refreshToken": "e14aa49c272c49fc989ccf553a0e36df",*

*"refreshTokenExpired": 1432624900059,*

*"secretkey": "mpkq1z60"*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201505121422250000000010",*

*"doneTime": 1431415347286,*

*"error": {*

*"errCode": "3001002",*

*"errMsg": "user existed"*

*}*

*}*

## Get OTP

Generated OTP code for Wi-Fi MEO Customer and New Customer. After selecting operator and filling-in mobile number, customer needs to click request for one time password (OTP) for authentication validation. MEO should generate One Time Password (OTP) and send request to MNO for sending One Time Password (OTP) to the customer by SMS.

Note: The OTP should have validity such as 15 minutes.

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/passport/password/public

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **meo.passport.otp.public.get** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| mobile | mobileNo | string | Y | Mobile number of customer login to MEO app |
| countryCode | int | Y | Country /Region code, by default 66(Thailand) |
| mnoId | int | Y | Mobile operator of customer login to MEO app. [Mno type](#_MNO_Type) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/password/public?method=meo.passport.otp.public.get&timestamp=1431414685671&format=json&v=1*

* **Request Body:**

*{*

*"mobileNo":"033196535",*

*"countryCode":66,*

*"mnoId":1001*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201505121417470000000005",*

*"doneTime": 1431415069283*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201505121418590000000006",*

*"doneTime": 1431415139546,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty countryCode"*

*}*

*}*

## Get OTP by bound mobile

Get OTP via bound mobile.

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/passport/password

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **meo.passport.otp.get** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| accessToken | string | Y | For security, return to client while login |

##### Application Parameter

None

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/passport/password/?method=meo.passport.otp.get&timestamp=1431426383310&format=json&v=1&accessToken=4dfe7fe4632747f7ad6d793657b1bcfa*

* **Request Body:**

None

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201505121726230000000010",*

*"doneTime": 1431426385936*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201505121729040000000011",*

*"doneTime": 1431426544881,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Customer Login

Customer need input the user name, password and device information and send to system to verify whether the user is a member of MEO or not, and respond with token, secret key, etc.

The app client need send device information to MEO platform, the MEO platform will use the device information to push notification.

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/passport/login

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.customer.login** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| login | loginAcct | string | Y | Login account. |
| password | string | Y | Encrypted login password. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| deveice | deviceType | int | Y | The device type of User login. Ref [Device type](#_Device_type) |
| deviceToken | string | Y | The device token |
| osVersion | string | Y | The client OS |
| osType | int | Y | The client [OS type](#_OS_type) |
| udid | string | Y | International Mobile Equipment IdComplex Entity |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | accessToken | string | Y | For Invoking API sequentially. |
| accessTokenExpired | long | Y | Expire time. The access token will be invalid after this time. After then, refresh or re-login is required.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| refreshToken | string | Y | Refresh token, it is used to invoke refresh API to retrieve new access token, refresh token without login again. |
| refreshTokenExpired | long | Y | The refresh token will expire after refresh token expired time.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| secretkey | string | Y | It is a key to encode information need to be exchanged between client and server. |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/passport/login?method=meo.customer.login&timestamp=1431425775640&format=json&v=1*

* **Request Body**

*{*

*"login": {*

*"loginAcct": "meo-2018@qq.com",*

*"password": "12345678"*

*},*

*"device": {*

*"deviceType": 1,*

*"osType": 1,*

*"deviceToken": "1234567",*

*"osVersion": "ios1.0",*

*"udid": "1212121212121212"*

*}*

*}*

* **Response in case of success**

*HttpStatus:200*

*{*

*"requestId": "meo-201505121716150000000002",*

*"doneTime": 1431425782407,*

*"body": {*

*"accessToken": "**b0fd209ba7864f3292c1767ec1528d00",*

*"accessTokenExpired": 1432030578921,*

*"refreshToken": "ee0afb11c831477497a7199a655df39a",*

*"refreshTokenExpired": 1432635378921,*

*"secretkey": "fnkh6cgy"*

*}*

*}*

* **Response in other cases**

*HttpStatus:400*

*{*

*"requestId": "meo-201505121720360000000003",*

*"doneTime": 1431426039840,*

*"error": {*

*"errCode": "3001003",*

*"errMsg": "wrong password"*

*}*

*}*

## Create Customer Basic Profile

Client can invoke interface to create customer basic information

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/customer/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **createCustBasicInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| customerInfo | firstName | string | N | Customer name |
| mddileName | String | N | Customer middle name |
| lastName | String | N | Customer last name |
| displayName | String | N | Customer display name |
| address | String | N | Customer address |
| countryCode | int | N | Country code |
| gender | int | N | [Gender type](#_Gender_type) |
| birthday | string | N | Birthday of customer format :yyyy-MM-dd |
| languageCode | int | N | [Language code](#_Language) |
| provCode | int | N | Province |
| cityCode | int | N | City |
| emailAddr | string | N | Email address |
| avatarUrl | string | N | avatar of customer |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/customer/profile?method=createCustBasicInfo&accessToken=6b261ca05bc14bf79e59ab5fd78bf914&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Requeset Body**

*{*

*"firstName": "zhoujjtech",*

*"middleName": "middleName",*

*"lastName": "lastName",*

*"displayName": "displyName",*

*"address": "address",*

*"emailAddr": "zhoujjtech@gmail.com",*

*"countryCode": 66,*

*"gender": 2,*

*"birthday": "1991-02-12",*

*"languageCode": 1,*

*"provCode": 1,*

*"cityCode": 1,*

*"avatarUrl": "http://119.46.160.70:8080/meo/rest/public/avatar/uploaded/090ddc83399b46c8a9af0b0a0c224245.jpg"*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504092004190000000004",*

*"doneTime": 1428581061479*

*}*

* **Response in other cases:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504092019540000000001",*

*"doneTime": 1428581994975,*

*"error": {*

*"errCode": "4003002001",*

*"errMsg": " customer name is maximum length can not be more than 128"*

*}*

*}*

## Modify Customer Basic Profile

Client can invoke interface to modify customer basic information

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/customer/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **modifyCustBasicInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| customerInfo | firstName | string | N | Customer name |
| mddileName | String | N | Customer middle name |
| lastName | String | N | Customer last name |
| displayName | String | N | Customer display name |
| address | String | N | Customer address |
| countryCode | int | N | Country code |
| gender | int | N | [Gender type](#_Gender_type) |
| birthday | string | N | Birthday of customer format :yyyy-MM-dd |
| languageCode | int | N | [Language code](#_Language) |
| provCode | int | N | Province |
| cityCode | int | N | City |
| emailAddr | string | N | Email address |
| avatarUrl | string | N | avatar of customer |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/customer/profile?method=modifyCustBasicInfo&accessToken=73b64ed503064cbfa5ed8ab99034f1f2&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504092112310000000001",*

*"doneTime": 1428585184770*

*}*

* **Response in other cases:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504092019540000000001",*

*"doneTime": 1428581994975,*

*"error":*

*{*

*"errCode": "4003002001",*

*"errMsg": " customer name is maximum length can not be more than 128"*

*}*

*}*

## Get Customer Info

Client can invoke interface to query customer profile

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/customer/profile

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **getCustInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

None

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | customerInfo | complex | Y | The customer information |
| assetInfo | complex | Y | The asset Information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| customerInfo | custId | long | Y | Customer id |
|  | firstName | string | N | Customer name |
|  | mddileName | String | N | Customer middle name |
|  | lastName | String | N | Customer last name |
|  | displayName | String | N | Customer display name |
|  | address | String | N | Customer address |
|  | mobileNo | string | Y | Mobile number |
|  | mnoId | int | Y | [Mno](#_MNO_Type) id |
|  | mnoCode | string | Y | [Mno code](#_MNO_Type) |
|  | emailAddr | string | N | Email address |
|  | countryCode | int | N | Country code |
|  | gender | int | N | [Gender type](#_Gender_type) |
|  | genderName | string | N | [Gender type](#_Gender_type) |
|  | birthday | string | N | Birthday of customer format :yyyy-MM-dd |
|  | languageId | int | N | [Language code](#_Language) |
|  | languageCode | int | N | [Language code](#_Language) |
|  | provCode | int | N | Province |
|  | cityCode | int | N | City |
|  | avatarUrl | string | N | avatar of customer |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| assetInfo | coins | int | Y | The current coins of customer |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | string | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/customer/profile?method=getCustInfo&accessTok*en=6b261ca05bc14bf79e59ab5fd78bf914&timestamp=${=new *Date().getTime()}&format=json&v=1*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504142127530000000001",*

*"doneTime": 1429018079384,*

*"body": {*

*"custInfo":{*

*"custId": 100000030000,*

*"mobileNo": "0811113333",*

*"mnoId": 1,*

*"mnoCode": "AIS",*

*"languageId": 0*

*},*

*"assetInfo": {"coins": 0}*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201504142131500000000004",*

*"doneTime": 1429018324419,*

*"error": {*

*"errCode": "4002001018",*

*"errMsg": "mnoCode"*

*}*

*}*

## Get Customer Setting

Client can invoke interface to get customer setting detail information and initialize customer setting page.

### Function Module

Customer APP

### HTTP URL

http[s]://localhost:8080/meo/rest/customer/setting

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **getCustSetInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| settingType | int | N | The [setting type](#_Privacy_type) , It have privacy and notification. |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see application parameter description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | List<custSetting> | complex | Y | The setting information unique id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| custSetting | settingTypeName | string | Y | The setting type name |
| settingType | int | Y | [settingType](#_Setting__type) |
| Setting | Complexe | Y | The setting list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Setting | settingId | int | Y | The setting information unique id |
| settingValueName | int | Y | The setting value name |
| settingName | string | Y | The setting name for example: **feed, number of coins, earn coin, earn experience, earn data voucher, redemption**. |
| settingValue | int | Y | When setting type is 1(privacy) then setting value is [privacy type](#_Feature__type).  When setting type is 2(notification ) then setting value is [notification swich](#_Notification_switch) |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | string | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/customer/setting?method=getCustSetInfo&accessToken=a52557d70cb743b8a5f9f9ea02f8bb5e&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201509221125130000000005",*

*"doneTime": 1442895929328,*

*"body": [*

*{*

*"settingTypeName": "Privacy",*

*"settingType": 11,*

*"settings": [ {*

*"settingId": 1,*

*"settingName": "privacy",*

*"settingValue": 1,*

*"settingValueName": "Public"*

*}]*

*},*

*{*

*"settingTypeName": "Notification action",*

*"settingType": 12,*

*"settings": [*

*{*

*"settingId": 5,*

*"settingName": "earn coin",*

*"settingValue": 0,*

*"settingValueName": "on"*

*},*

*{*

*"settingId": 6,*

*"settingName": "earn experience",*

*"settingValue": 0,*

*"settingValueName": "on"*

*},*

*{*

*"settingId": 7,*

*"settingName": "earn data voucher",*

*"settingValue": 0,*

*"settingValueName": "on"*

*},*

*{*

*"settingId": 8,*

*"settingName": "redemption",*

*"settingValue": 0,*

*"settingValueName": "on"*

*}*

*]*

*},*

*{*

*"settingTypeName": "Channel",*

*"settingType": 13,*

*"settings": [*

*{*

*"settingId": 2,*

*"settingName": "SMS",*

*"settingValue": 0,*

*"settingValueName": "on"*

*},*

*{*

*"settingId": 3,*

*"settingName": "Email",*

*"settingValue": 0,*

*"settingValueName": "on"*

*},*

*{*

*"settingId": 4,*

*"settingName": "Push notification",*

*"settingValue": 0,*

*"settingValueName": "on"*

*}*

*]*

*}*

*]*

*}***Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487 ,*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## Set Customer Setting

Client can invoke interface to set customer privacy information

### Function Module

Customer APP

### HTTP URL

http[s]://localhost:{port} /meo/rest/customer/setting

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | modifyCustSet. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * XML: server response client in XML format * JSON: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Setting | settingInfos | list | Y | The customer setting information.  List< settingInfo > settingInfos; |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| settingInfo | settingId | int | Y | The customer setting information unique id |
| settingValue | int | Y | The customer setting value. the value can get from [Notify type](#_Bill_Dispatching_1) , [ON/OFF](#_ON/OFF) and [Privacy type](#_Feature__type) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see application parameter description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | string | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL**

*https://119.46.160.70:8443/meo/rest/customer/setting?method=modifyCustSet&format=json&timestamp=1435910251414&v=1&accessToken=3ef1f27cda0a4e8b8d1e84fa5f2a8986&signature=e35f2614967c0a264671cae5ff16fb89*

* **Request body:**

*{*

*"settingInfos": [*

*{*

*"settingId": 1,*

*"settingValue": 0*

*}*

*]*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487 ,*

*"error": {*

*" errCode": "300001",*

*" errMsg": "setting id is error"*

*}*

*}*

## Partner Login

Partner need input the login account and password. MEO platform will validate the login account and password

### Function Module

Partner portal

### HTTP URL

https://localhost:8080/meo/rest/passport/login

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **portalLogin**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| login | loginAcct | string | Y | Login account:Email |
| password | string | Y | Encrypted login password. |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | token | complex | Y | See application response |
| isFirstLogin | int | Y | isFirstLogin |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| token | accessToken | string | Y | For Invoking API sequentially. |
| accessTokenExpired | long | Y | Expire time. The access token will be invalid after this time. After then, refresh or re-login is required.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| refreshToken | string | Y | Refresh token, it is used to invoke refresh API to retrieve new access token, refresh token without login again. |
| refreshTokenExpired | long | Y | The refresh token will expire after refresh token expired time.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| secretkey | string | Y | It is a key to encode information need to be exchanged between client and server. |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus: 200*

*{*

*"requestId": "meo-201504071217480000000001",*

*"doneTime": 1428380269916,*

*"body": {*

*"accessToken": "b2f6c949c4b44301af6e00ce1464e52d",*

*"accessTokenExpired": 1428466669711,*

*"refreshToken": "509f077fe5044368bf98abce45b6ea54",*

*"refreshTokenExpired": 1428985069711,*

*"secretkey": "ehpdmrf1"*

*}*

*}*

* **Response in other cases:**

*HttpStatus: 400*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487*

*"error": {*

*" errCode": "300001",*

*" errMsg": "login account don't exist"*

*}*

*}*

## Create Partner

Sale person will login the MEO web portal and fill up the partner information to register.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/partner/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **createPartnerInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | partnerType | int | Y | [Partner type](#_Partner__type) |
| companyName | string | Y | Company name |
| taxId | string | Y | Tax id |
| businessId | string | Y | business registration no. |
| emailAddr | string | Y | Email address, and it is username |
| mobileNo | string | Y | Mobile number |
| billAddr | string | Y | Billing address |
| contactName | string | Y | Contact person name |
| contactMobileNo | string | Y | Contact person mobile number |
| contactEmail | string | Y | Contact person email |
| postCode | int | N | Post code |
| countryCode | int | N | Country code |
| provCode | int | N | Province code |
| cityCode | int | N | City code |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| partnerId | long | Y | Partner id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "7837483748374",*

*"doneTime": 343434343487 ,*

*"body":{*

*"partnerId": "300001"*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487,*

*"error": {*

*" errCode": "300001",*

*" errMsg": "partner has existed"*

*}*

*}*

## Activate Partner

Client can invoke this interface to activate partner

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **activatePartner**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerId | long | Y | The unique identifier of partner, generated once creating partner successfully. |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| partnerId | long | Y | Partner ID newly activated |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "* *meo-201504131001030000000002",*

*“doneTime”: 1428890464042*

*"body": {"partnerId": 100000029000}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "* *meo-201504130958360000000001”,*

*“doneTime”: 1428890317316,*

*"error":{*

*"errCode": "4003001004",*

*"errMsg": "entity is empty"*

*}*

*}*

## Modify Partner Basic Profile

Client can invoke interface to modify partner basic information, it is provided to help desk.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **modifyPartnerInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | partnerId | long | Y | Partner id |
| partnerType | int | N | [Partner type](#_Partner__type) |
| companyName | string | N | Company name |
| emailAddr | string | N | Email address |
| mobileNo | string | N | Mobile number |
| billAddr | string | N | Billing address |
| contactName | string | N | Contact person name |
| contactMobileNo | string | N | Contact person mobile number |
| contactEmail | string | N | Contact person email |
| postCode | int | N | Post code |
| countryCode | int | N | Country code |
| provCode | int | N | Province code |
| cityCode | int | N | City code |
| registrationForm | string | N | Registration Form file url |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487,*

*"error": {*

*" errCode": "300001",*

*" errMsg": "partner is not found"*

*}*

*}*

## Modify Partner Contact Info

Client can invoke interface to modify partner basic information, it provide for partner.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **modifyPartnerContactInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | contactName | string | N | Contact person name |
| contactMobileNo | string | N | Contact person mobile number |
| contactEmail | string | N | Contact person email |
| avatarUrl | string | N | Partner avatar url |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487,*

*"error": {*

*" errCode": "300001",*

*" errMsg": "partner is not found"*

*}*

*}*

## Get Partner Profile

Client can invoke interface to query partner profile, and it provides for partner self.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **getPartnerProfile**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

None

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| partnerInfo | complex | Y | The partner information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | partnerType | int | Y | [Partner type](#_Partner__type) |
| partnerTypeName | string | N | Partner type description |
| companyName | string | Y | Company name |
| taxId | string | Y | Tax id |
| businessId | int | Y | business registration no. |
| emailAddr | string | Y | Email address |
| mobileNo | string | Y | Mobile number |
| billAddr | string | N | Billing address |
| contactName | string | N | Contact person name |
| contactMobileNo | string | N | Contact person mobile number |
| contactEmail | string | N | Contact person email |
| postCode | int | N | Post code |
| countryCode | int | N | Country code |
| provCode | int | N | Province code |
| cityCode | int | N | City code |
| avatarUrl | string | N | Partner avatar url |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/partner/profile?method=getPartnerProfile&format=json&timestamp=1439363531626&v=1&accessToken=702dccef71c546899fea3f8d80741420*

**Request Body:**

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508121512230000000001",*

*"doneTime": 1439363543776,*

*"body": {*

*"partnerType": 1,*

*"companyName": "companyname",*

*"taxId": "1",*

*"businessId": "1",*

*"emailAddr": "zzy@sina.cn",*

*"mobileNo": "11",*

*"billAddr": "111",*

*"contactName": "aa",*

*"contactMobileNo": "111",*

*"contactEmail": "www@sina.cn",*

*"postCode": 442500,*

*"partnerTypeName": "MNO"*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*"doneTime": "434343438989",*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## Get Partner Info

Client can invoke interface to query partner profile, and it provide for help desk.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **getPartnerInfo**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

Is a list of partnerCondition.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerCondition | partnerId | long | At least one of them should input | partner id |
| taxId | string | Tax id |
| businessId | string | business registration no. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size |
| pageNo | int | N | Page number |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| partnerInfo | complex | Y | The partner information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | partnerId | long | Y | partner id |
| partnerType | int | Y | [Partner type](#_Partner__type) |
| companyName | string | Y | Company name |
| taxId | string | Y | Tax id |
| businessId | string | Y | business registration no. |
| emailAddr | string | Y | Email address |
| mobileNo | string | Y | Mobile number |
| billAddr | string | N | Billing address |
| contactName | string | N | Contact person name |
| contactMobileNo | string | N | Contact person mobile number |
| contactEmail | string | N | Contact person email |
| postCode | int | N | Post code |
| countryCode | int | N | Country code |
| provCode | int | N | Province code |
| cityCode | int | N | City code |
| sts | int | N | Partner status , it has  0: inactive, 1: active, 2: deactived |
| description | string | Y | inactive, active, deactived |
| registerFileUrl | string | Y | Registration form file url |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*[*

*{*

*"partnerId": 100000033000,*

*"taxId": "1213220920",*

*"businessId": "1213029092"*

*}*

*]*

*HttpStatus:200*

*{*

*"requestId": "meo-201507091042350000000001",*

*"doneTime": 1436409756317,*

*"body": [ {*

*"partnerId": 100000033000,*

*"partnerType": 1,*

*"companyName": "Telent",*

*"taxId": "1213220920",*

*"businessId": "1213029092",*

*"emailAddr": "198981@qq.com",*

*"mobileNo": "110",*

*"billAddr": "123456",*

*"contactName": "Tom",*

*"contactMobileNo": "111",*

*"contactEmail": "198981@qq.com",*

*"postCode": 123,*

*"countryCode": 1,*

*"provCode": 2,*

*"cityCode": 3,*

*"registerFileUrl": "uoieur.jpg",*

*"sts": 1,*

*"description": "active"*

*}]*

*}***Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*"doneTime": "434343438989",*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## Get Partner List

Client can invoke interface to query partner profile, and it provides for sale person.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **getPartnerList**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerId | long | N | partner id |
| companyName | string | N | Company name |
| pageSize | int | N | page size |
| pageNo | int | N | Page number |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< partnerInfo> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | partnerId | long | Y | Partner id |
| companyName | string | Y | Company name |
| taxId | string | Y | Tax id |
| createDate | long | Y | Partner create date |
| businessId | string | Y | business registration no. |
| sts | int | Y | Partner status, it has 0: inactive, 1: active, 2: deactivate |
| description | string | Y | inactive, active, deactivate |
| contractId | Int | Y |  |
| contractNo | string | Y |  |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/partner/profile?method=getPartnerList&format=json&timestamp=1440056084362&v=1&accessToken=ac5c53d6556446d3a5bf375742cd79b5*

* **Response in case of success:**
* *{*
* *"requestId": "meo-201508201547520000000002",*
* *"doneTime": 1440056924850,*
* *"body": {*
* *"pageSize": 10,*
* *"currentPage": 1,*
* *"result": [ {*
* *"partnerId": 100000033000,*
* *"companyName": "Telent",*
* *"taxId": "1213220920",*
* *"businessId": "1213029092",*
* *"sts": 1,*
* *"createDate": 1430033766000,*
* *"description": "active",*
* *"contractId": 100011001,*
* *"contractNo": "11111"*
* *}],*
* *"totalSize": 1,*
* *"pageNum": 1*
* *}*
* *}*
* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*"doneTime": "434343438989",*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## Create Contract

Client can invoke this interface to add contract

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/contract

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **createContract**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contract | partnerId | long | Y | The Partner id |
| contractName | string | Y | Contract name |
| templeteId | long | N | The template id |
| buyers | string | Y | The Buyer |
| sellers | string | Y | The seller |
| signedDate | long | N | The sign Date. format :yyyy-MM-dd |
| signedPlace | string | Y | The place sign the contract |
| validate | long | Y | The valid date.format :yyyy-MM-dd |
| expiredDate | long | Y | The expired date. format :yyyy-MM-dd |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contractPrice | unitPrice | long | Y | The price |
| unit | int | Y | The price unit |
| priceType | int | Y | Price type( 1.coins price 2.data package price) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| contractNo | string | Y | Contract No newly created |
| contractId | long | Y | Contract Id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

*https://localhost:8443/meo/rest/partner/contract?method=createContract&accessToken=30cfdf1c4cc44d13856ad99ca93a6bc2&timestamp=1440673199502&format=json&v=1*

* **request body**

*{*

*"contract": {*

*"partnerId": "100000033000",*

*"contractName":"contract\_test10",*

*"buyers":"bbk",*

*"sellers":"asiainfo11",*

*"signedPlace":"tailand",*

*"validDate": 1440435600000,*

*"expiredDate": 1469984400000*

*},*

*"contractPrices": [*

*{*

*"unitPrice": "13",*

*"unit": "1",*

*"priceType": "2"*

*},*

*{*

*"unitPrice": "14",*

*"unit": "1",*

*"priceType": "1"*

*}*

*]*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201506231050090000000956",*

*"doneTime": 1435031410020,*

*"body": {*

*"contractNo": "100000038",*

*"contractId": 100000055000*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201504141418550000000023",*

*"doneTime": 1428992335738,*

*"error":{*

*"errCode": "4001001011",*

*"errMsg": "partnerId"*

*}*

*}*

## Activate Contract

Client can invoke this interface to activate contract

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/contract

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **activateContract**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| contractId | long | Y | The unique identifier of contract, generated once creating contract successfully. |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| contractID | long | Y | Contract ID newly activated |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "* *meo-201504131310530000000001",*

*“doneTime”: 1428901853903*

*"body": {"contractId": 100000041000}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "* *meo-201504131133510000000003",*

*“doneTime”: 1428896031951,*

*"error":{*

*"errCode": "4003001004",*

*"errMsg": "entity is empty"*

*}*

*}*

## Get Contract Info

Client can invoke interface to query contract info

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/contract

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **getContract**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contract | validDate | long | N | The valid date. format :YYYY-MM-DD |
| expiredDate | long | N | The expired date. format :YYYY-MM-DD |
| contractNo | string | N | The contract number for vague query |
| contractName | string | N | The contract name for vague query |
| partnerId | long | N | The partnerId for vague query |
| pageSize | int | N | Page size |
| pageNo | int | N | Page number |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | contract | complex | N | Contract |
| contractPrices | complex | N | contractPrices is arrayList , List<contractPrice> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contract | partnerId | long | Y | The Partner id |
| contractId | long | Y | Contract id |
| contractName | string | N | Contract name |
| templeteId | long | N | The template id |
| contractNo | string | Y | The contract number |
| buyers | string | N | The Buyer |
| sellers | string | N | The seller |
| signedPlace | string | N | The place sign the contract |
| signedDate | long | N | The sign date |
| contractUrl | string | N | The url of contract upload |
| status | int | N | The status of contract |
| validate | long | Y | The valid date.format :yyyy-MM-dd |
| expiredDate | long | Y | The expired date. format :yyyy-MM-dd |
| saleId | long | N | The sale id |
| operatorId | long | N | The operator id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contractPrice | unitPrice | long | Y | The price |
| unit | int | Y | The price unit |
| priceType | int | Y | Price type( 1.coins price 2.data package price) |
| status | int | N | Status |
| validate | string | N | The valid date. format :yyyy-MM-dd |
| expireddate | string | N | The expired date. format :yyyy-MM-dd |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504141640050000000003",*

*"doneTime": 1429000805487,*

*"body": [*

*{*

*"contractUIVO":{*

*"contractId": 100000043000,*

*"partnerId": 100000031000,*

*"templeteId": 100000031,*

*"contractNo": "11111",*

*"status": 0,*

*"signedDate": "2015-04-14 12:14:03",*

*"validDate": "2015-12-01 00:00:00",*

*"saleId": 100000006000*

*},*

*"priceUIVOList": [{*

*"unitPrice": 1,*

*"unit": 1,*

*"priceType": 1,*

*"status": 1,*

*"validDate": "2014-12-04 00:00:00",*

*"expiredDate": "2015-12-01 00:00:00"*

*}]*

*}]*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*{*

*"requestId": "meo-201504071155570000000002",*

*"doneTime": 1428378957380*

*},*

*{*

*" errCode": "300001",*

*" errMsg": "customer doesn’t existed"*

*}*

*}*

## Modify Contract

Client can invoke interface to modify customer basic information

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/contract

### HTTP Method

Post

### Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| publicParameter | complex | Y | Please see system parameter description |
| contractInfo | complex | Y | Please see application parameter description |
| contractPrices | complex | Y | contractPrices is arrayList ,List<contractPrice> |

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **modifyContract**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contractInfo | contractId | long | Y | Contract id |
| contractName | string | N | Contract name |
| templeteId | long | N | Template id |
| validDate | long | N | Valid date. format :YYYY-MM-DD |
| expiredDate | long | N | Expired date. format :YYYY-MM-DD |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| contractPrice | unitPrice | long | Y | The price |
| unit | int | Y | The price unit |
| priceType | int | Y | Price type( 1.coins price 2.data package price) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| contractId | long | Y | The contract id need to be modified |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Response in case of success:**

*HttpStatus:200*

*{*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487,*

*"body": {"contractId": 100000043005}*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*{*

*"requestId": "7837483748374",*

*“doneTime”: 343434343487*

*},*

*{*

*" errCode": "300001",*

*" errMsg": "mobile number has existed"*

*}*

*}*

## Reset Customer Password

Client can invoke interface to reset customer password .

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/passport/password

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **resetCustPwd**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Password | oldPwd | string | Y | The old password of logged in user |
| newPwd | string | Y | The new password that customer set |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

[*http://localhost:8443/meo/rest/passport/password?method=resetCustPwd&format=json&timestamp=1428379994413&accessToken=6fd72ce643a84599a5f050eef09d5714*](http://localhost:8443/meo/rest/passport/password?method=resetCustPwd&format=json&timestamp=1428379994413&accessToken=6fd72ce643a84599a5f050eef09d5714)

* **Request body**

*{*

*"oldPwd":"xxxxxxxx",*

*"newPwd":"yyyyyyyy"*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504071213130000000002",*

*"doneTime": 1428379994413*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201504071213130000000002",*

*"doneTime": 1428379994413,*

*"error": {*

*" errCode": "300001",*

*" errMsg": " oldPwd is empty"*

*}*

*}*

## Reset Partner Password

Client can invoke interface to reset partner password .

### Function Module

Portal

### HTTP URL

https://localhost:8443/meo/rest/passport/password

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **resetPortalPwd**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| password | oldPwd | string | Y | The old password of logged in user |
| newPwd | string | Y | The new password that customer set |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

[*http://localhost:8443/meo/rest/passport/password?method=resetPortalPwd&format=json&timestamp=1428379994413&accessToken=09aac19fdec64c8d976bd6e867f1c397*](http://localhost:8443/meo/rest/passport/password?method=resetPortalPwd&format=json&timestamp=1428379994413&accessToken=09aac19fdec64c8d976bd6e867f1c397)

* **Request body**

*{*

*"oldPwd":"999999999",*

*"newPwd":"1212312121"*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201504071213130000000002",*

*"doneTime": 1428379994413,*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201504071213130000000002",*

*"doneTime": 1428379994413,*

*"error": {*

*" errCode": "300001",*

*" errMsg": " oldPwd is empty"*

*}*

*}*

## Upload Avatar

Upload user/customer profile photo, return the 4 URLs for different size. This API chops the original picture into 30 \* 30 pixel, 50 \* 50 (pixel), 100 \* 100(pixel). The picture need to transport to server in base64 for bytes.

### Function Module

Customer APP, Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/avatar

http://localhost:8080/meo/rest/avatar

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **meo.avatar.upload**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| file | fileName | string | Y | File name |
| content | string | Y | File content in base64 for bytes |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | The URLs of avatar |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | avatar | complex | Y | The URLs of avatar |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| avatar | url | string | Y | URL to original size picture |
| size | long | Y | The size of the original picture |
| createTime | long | Y | Upload time |
| modifyTime | long | Y | Modify time |
| url30 | string | Y | URL to the file of size 30 pixel \* 30 pixel |
| url50 | string | Y | URL to the file of size 50 pixel \* 50 pixel |
| url100 | string | Y | URL to the file of size 100 pixel \* 100 pixel |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/avatar?method=meo.avatar.upload&timestamp=1431328428703&accessToken=256489abefce4d5b85b65743a69d9647&format=json&v=1*

*http://localhost:8080/meo/rest/avatar?method=meo.avatar.upload&timestamp=1431328428703&accessToken=256489abefce4d5b85b65743a69d9647&format=json&v=1&signature=29f59595ec826cf14688148851b0e605*

* **Response in case of success:**

*{*

*"requestId": "meo-201505111752540000000002",*

*"doneTime": 1431337975455,*

*"body":{*

*"url": "/meo/rest/public/avatar/uploaded/bfc8448bf426412bba68fb9db83d38db.jpg",*

*"size": 0,*

*"createTime": 0,*

*"modifyTime": 0,*

*"url30": "/meo/rest/public/avatar/uploaded/bfc8448bf426412bba68fb9db83d38db\_30\_30.jpg",*

*"url50": "/meo/rest/public/avatar/uploaded/bfc8448bf426412bba68fb9db83d38db\_50\_50.jpg",*

*"url100": "/meo/rest/public/avatar/uploaded/bfc8448bf426412bba68fb9db83d38db\_100\_100.jpg"*

*}*

*}*

## Upload File

It is used to upload file from client to server, return the URL to the file on server. The file should be transported in base64 of bytes

### Function Module

Customer APP, Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/file

http://localhost:8080/meo/rest/file

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **meo.file.upload**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| file | fileName | string | Y | File name |
| content | string | Y | File content in base64 for bytes |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | The URLs of avatar |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | file | complex | Y | The URLs of file |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| file | url | string | Y | URL to uploaded file |
| size | long | Y | The size of the uploaded file |
| createTime | long | Y | Upload time |
| modifyTime | long | Y | Modify time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/file?method=meo.file.upload&timestamp=1431337956181&accessToken=256489abefce4d5b85b65743a69d9647&format=json&v=1*

*http://localhost:8080/meo/rest/file?method=meo.file. upload&timestamp=1431337956181&accessToken=256489abefce4d5b85b65743a69d9647&format=json&v=1&signature=13e6263c6789829a414cb53bc3413a3c*

* **Response in case of success:**

*{*

*"requestId": "meo-201505111755230000000004",*

*"doneTime": 1431338123841,*

*"body": {*

*"url": "/meo/rest/public/file/uploaded/ed74eae2cd4947569fe88c1c8ea70710.jpg",*

*"size": 0,*

*"createTime": 0,*

*"modifyTime": 0*

*}*

*}*

## Save Campaign

Campaign designer can save the campaign before publishing the campaign, the interface support to modify campaign, save campaign. Client need check the campaign status, if the status is not draft, client can’t invoke this interface.

### Function Module

Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.partner.save**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * XML: server response client in XML format * JSON: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| draftCampaign | campaignCommon | complex | Y | The campaign common information |
| campaignDetails | complex | Y | campaignDetails is arrayList, List<camapignDetail> |
| campaignTasks | complex | Y | campaignTasks is arrayList,List<campaignTask> |
| tempateId | long | Y | Campaign action template id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignCommon | campaignId | long | N | Campaign id |
| campaignName | string | Y | Campaign name |
| campaignType | int | Y | Campaign type |
| startDate | long | Y | Campaign start date |
| endDate | long | Y | Campaign end date |
| validDate | long | Y | The valid date of new version for campaign |
| iconUrl | string | N | Icon URL |
| categoryId | int | N | Category id, such as 1.food, 2.game…….. |
| description | string | N | Campaign description |
| participant | int | N | The count of customer join campaign |
| campaignUrl | string | N | The campaign url |
| campaignProductList | complex | N | campaignProduct is arrayList,List<campaignProduct> |
| partnerId | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignProduct | campProdId | long | N | The product and campaign relationship |
| product | complex | Y | The product complex |
| discountRule | complex | N | The discount rule of campaign |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| product | productId | long | N | The product id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N | The discount id |
| discountRange | complex | Y | discount rule and order range relationship |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N | The discount range id |
| discountPrice | complex | Y | The discount price,ref price complex entity |
| rangeId | long | Y | The range id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountPrice | priceId | long | N |  |
| price | long | Y | The price value |
| priceUnit | int | Y | The price unit |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignDetail | propertyId | long | N | The property id |
| propertyCode | string | Y | Property code. such as app name ,app url |
| propertyValue | string | Y | Property value. such as QQ, D:/picture/xxxxxx.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignTask | taskId | long | N | task id, example:100000000001 |
| actionId | long | Y | action id example:100 |
| taskParamList | complex | N | taskParamList is arrayList,List<taskParam> |
| triggerTaskList | complex | N | triggerTaskList is arrayList,List<triggerTask> |
| parentTaskId | long | N | The campaign task parent id |
| parentActionId | long | N |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| triggerTask | taskId | long | N | Task id , example 100000000002 |
| actionId | long | Y | action id |
| taskParamList | complex | Mandatory | taskParamList is arrayList,List<taskParam> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| taskParam | paramInstanceId | long | N |  |
| paramId | long | Y | Example:1:coins |
| paramValue | int | Y | Example:10 |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | String | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | campaignId | long | Y |  |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**
* *https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.partner.save&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1*
* **Request body**

*{*

*"campaignCommon": {*

*"campaignName": "downloadCampaign20151014",*

*"campaignType": 1,*

*"startDate": 1444842000000,*

*"endDate": 1448470799000,*

*"validDate": 1444842000000,*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"description": "the description",*

*"participant": 20,*

*"campaignUrl": "C:/Users/yong/Desktop",*

*"campaignProductList": [*

*{*

*"product": {*

*"productId": 100000119001*

*},*

*"discountRule": {*

*"discountRange": {*

*"discountPrice": {*

*"price": 9999,*

*"priceUnit": 1*

*},*

*"rangeId": 1*

*}*

*}*

*}*

*],*

*"partnerId": 100000046002*

*},*

*"campaignDetails": [*

*{*

*"propertyCode": "appName",*

*"propertyValue": "appName"*

*},*

*{*

*"propertyCode": "appDescription",*

*"propertyValue": "appDescription"*

*},*

*{*

*"propertyCode": "appPicture1",*

*"propertyValue": "appPicture1"*

*},*

*{*

*"propertyCode": "appPicture2",*

*"propertyValue": "appPicture2"*

*},*

*{*

*"propertyCode": "appPicture3",*

*"propertyValue": "appPicture3"*

*}*

*],*

*"campaignTasks": [*

*{*

*"actionId": 1001,*

*"triggerTaskList": [*

*{*

*"actionId": 2001,*

*"taskParamList": [*

*{*

*"paramId": 1000,*

*"paramValue": 100*

*}*

*]*

*}*

*]*

*},*

*{*

*"actionId": 1005,*

*"parentActionId": 1001*

*}*

*],*

*"templateId": 100000022001*

*}*

**Response in case of success:**

*{*

* *"requestId": "meo-201510141623380000000003",*
* *"doneTime": 1444814620791,*
* *"body": {"campaignId": 100000138004}*
* *}*
* **Response in other cases**

*HttpStatus:400*

*{*

*"requestId": "meo-201505260918010000000145",*

*"doneTime": 1432606681132,*

*"error": {*

*"errCode": "5011046",*

*"errMsg": "valid contract is not found by partner id,partner is 100,000,033,000"*

*}*

*}*

## Publish Campaign

Campaign designer can publish the campaign. Client need check the campaign status, if the status is not draft, client can’t invoke this interface.

### Function Module

Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.partner.publish**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * XML: server response client in XML format * JSON: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| draftCampaign | campaignCommon | complex | Y | The campaign common information |
| campaignDetails | complex | Mandatory | campaignDetails is arrayList, List<camapignDetail> |
| campaignTasks | complex | Mandatory | campaignTasks is arrayList,List<campaignTask> |
| tempateId | long | Y | Campaign action template id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignCommon | campaignId | long | N | Campaign id |
| campaignName | String | Y | Campaign name |
| campaignType | int | Y | Campaign type |
| startDate | long | Y | Campaign start date |
| endDate | long | Y | Campaign end date |
| validDate | long | Y | The valid date of new version for campaign |
| iconUrl | String | Y | Icon URL |
| categoryId | int | Y | Category id, such as 1.food, 2.game…….. |
| description | String | N | Campaign description |
| participant | int | Y | The count of customer join campaign |
| campaignUrl | String | Y | The campaign url |
| campaignProductList | complex | Mandatory | campaignProduct is arrayList,List<campaignProduct> |
| partnerId | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignProduct | campProdId | long | N | The product and campaign relationship |
| product | complex | Y | The product complex |
| discountRule | complex | Y | The discount rule of campaign |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| product | productId | long | N | The product id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N | The discount id |
| discountRange | complex | N | discount rule and order range relationship |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N | The discount range id |
| discountPrice | complex | Y | The discount price,ref price complex entity |
| rangeId | long | Y | The range id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountPrice | priceId | long | N |  |
| price | long | Y | The price value |
| priceUnit | int | Y | The price unit |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignDetail | propertyId | long | N | The property id |
| propertyCode | string | Y | Property code. such as app name ,app url |
| propertyValue | string | Y | Property value. such as QQ, D:/picture/xxxxxx.jpg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignTask | taskId | long | N | Task id, example:100000000001 |
| actionId | long | Y | action id example:100 |
| taskParamList | complex | N | taskParamList is arrayList,List<taskParam> |
| triggerTaskList | complex | N | triggerTaskList is arrayList,List<triggerTask> |
| parentActionId | long | N | Parent action id |
| parentTaskId | long | N | The campaign task parent id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| triggerTask | taskId | long | N | task id , example 100000000002 |
| actionId | long | Y | action id |
| taskParamList | complex | Y | taskParamList is arrayList, List<taskParam> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| taskParam | paramInstanceId | long | N |  |
| paramId | long | Y | Example: 1:coins |
| paramValue | int | Y | Example:10 |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | String | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | campaignId | long | Y |  |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**
* *https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.partner.publish&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1*
* **Request body**

*{*

*"campaignCommon": {*

*"campaignName": "redeemCampaign20151014",*

*"campaignType": 6,*

*"startDate": 1444842000000,*

*"endDate": 1448470799000,*

*"validDate": 1444842000000,*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"description": "redeem product description",*

*"participant": 50,*

*"campaignUrl": "C:/Users/yong/Desktop",*

*"campaignProductList": [*

*{*

*"product": {*

*"productId": 100000119001*

*},*

*"discountRule": {*

*"discountRange": {*

*"discountPrice": {*

*"price": 9999,*

*"priceUnit": 1*

*},*

*"rangeId": 1*

*}*

*}*

*}*

*],*

*"partnerId": 100000046002*

*},*

*"campaignDetails": [*

*{*

*"propertyCode": "redeemPackName",*

*"propertyValue": "Package Name"*

*},*

*{*

*"propertyCode": "meoPName",*

*"propertyValue": "Product Id"*

*},*

*{*

*"propertyCode": "productFreeData",*

*"propertyValue": "Free data"*

*},*

*{*

*"propertyCode": "productDesc",*

*"propertyValue": "Product description"*

*}*

*],*

*"campaignTasks": [*

*{*

*"actionId": 1003,*

*"taskParamList": [*

*{*

*"paramId": 1004,*

*"paramValue": 5*

*}*

*],*

*"triggerTaskList": [*

*{*

*"actionId": 2002,*

*"taskParamList": [*

*{*

*"paramId": 1001,*

*"paramValue": 100000108002*

*}*

*]*

*}*

*]*

*},*

*{*

*"actionId": 1005,*

*"parentActionId": 1001*

*}*

*],*

*"templateId": 100000024001*

*}*

**Response in case of success**

*{*

*"requestId": "meo-201510141627440000000004",*

*"doneTime": 1444814865578,*

*"body": {"campaignId": 100000138005}*

*}*

**Response in other case**

*{*

*"requestId": "meo-201505260922180000000149",*

*"doneTime": 1432606938139,*

*"error": {*

*"errCode": "5011057",*

*"errMsg": "campaignBeginDate can not as early as tomorrow,the partner id is 100,000,033,000"*

*}*

*}*

## Renew Campaign

Campaign designer can modify the campaign after publishing the campaign. Client need check the campaign status, if the status is draft, client can’t invoke this interface.

### Function Module

Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.renewed.partner.save**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * XML: server response client in XML format * JSON: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignCommon | campaignId | long | Y | Campaign id |
| endDate | long | Y | Campaign end date |
| validDate | long | Y | The valid date of new version for campaign |
| participant | int | N | The count of customer join campaign |
| campaignPrices | complex | N | campaignPrices is arrayList,List<campaignPrice> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignPrice | priceId | long | N | The price id |
| priceType | int | Y | 1:coin 2:data package |
| unitPrice | long | Y | The basic price of coin or data package |
| unit | int | Y | The price unit |
| chargeUnit | int | Y | The charge unit |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | String | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | campaignId | long | Y |  |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/campaign/partner?method=meo.campaign.renewed.partner.save&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1431765240829&format=json&v=1*

* **Request body**

*{*

*"campaignId": 100000020002,*

*"endDate": 1448812800000,*

*"validDate": 1431878400000,*

*"participant": 40,*

*"campaignPrices": [*

*{*

*"unitPrice": 30,*

*"unit": 1,*

*"chargeUnit": 1,*

*"priceType": 1*

*},*

*{*

*"unitPrice": 40,*

*"unit": 2,*

*"chargeUnit": 2,*

*"priceType": 2*

*}*

*]*

*}*

* **Response in case of success**

*{*

*"requestId": "meo-201505161658040000000009",*

*"doneTime": 1431766687557,*

*"body": {"campaignId": 100000020002}*

*}*

* **Response in other case**

*{*

*"requestId": "meo-201505260927280000000151",*

*"doneTime": 1432607248655,*

*"error": {*

*"errCode": "9021002",*

*"errMsg": "message not readable"*

*}*

*}*

## Publish Renewed Campaign

Campaign designer can publish the new version campaign that campaign designer has modify the campaign information. Client need check the campaign status, if the status is draft, client can’t invoke this interface.

### Function Module

Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.renewed.partner.publish.** API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * XML: server response client in XML format * JSON: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignCommon | campaignId | long | Y | Campaign id |
| endDate | long | Y | Campaign end date |
| validDate | long | Y | The valid date of new version for campaign |
| participant | int | Y | The count of customer join campaign |
| campaignPrices | complex | Mandatory | campaignPrices is arrayList,List<campaignPrice> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignPrice | priceId | long | N | The price id |
| priceType | int | Y | 1:coin 2:data package |
| unitPrice | long | Y | The basic price of coin or data package |
| unit | int | Y | The price unit |
| chargeUnit | int | Y | The charge unit |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | String | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | campaignId | long | Y |  |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/campaign/partner?method=meo.campaign.renewed.partner.publish&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1431765240829&format=json&v=1*

* **Request body**

*{*

*"campaignId": 100000020002,*

*"endDate": 1448812800000,*

*"validDate": 1431878400000,*

*"participant": 40,*

*"campaignPrices": [*

*{*

*"priceId": 100000020106,*

*"unitPrice": 30,*

*"unit": 1,*

*"chargeUnit": 1,*

*"priceType": 1*

*},*

*{*

*"priceId": 100000020107,*

*"unitPrice": 40,*

*"unit": 2,*

*"chargeUnit": 2,*

*"priceType": 2*

*}*

*]*

*}*

* **Response in case of success**

*{*

*"requestId": "meo-201505161704520000000010",*

*"doneTime": 1431767096323,*

*"body": {"campaignId": 100000020002}*

*}*

* **Response in other case**

*{*

*"requestId": "meo-201505260930250000000153",*

*"doneTime": 1432607425029,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty campaign price"*

*}*

*}*

## Search campaign basic information

Return list of campaign according to the input, partner, campaign type, campaign name, campaign No and campaign period.

### Function Module

Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.basic.partner.search**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| capaignCondition | partnerName | string | N | Partner name |
| campaignTypeId | int | N | Campaign type |
| campaignNo | string | N | Campaign number |
| campaignName | string | N | Campaign name |
| validDate | long | N | Campaign version start date |
| expiredDate | long | N | Campaign version end date |
| campaignStsId | int | N | Campaign status id |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | Page size |
| pageNo | int | N | Page number |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The campaign basic info pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The campaignInfo list information |
| totalSize | int | Y | The campaign basic info total Size |
| pageNum | int | Y | the campaign basic info total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< campaignInfo> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignInfo | campaginNo | string | Y | Campaign number |
| List< campaignBasicInfo > | complex | Y | The basic info of each version of campaign |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignBasicInfo | campaignId | long | Y | The unique ID of campaign version |
| campaignName | string | Y | The campaign name |
| partnerName | string | Y | Partner name |
| validDate | long | Y | Campaign version start date |
| expiredDate | long | Y | Campaign version end date |
| campaignStsId | int | Y | Campaign status, it has 0:draft, 1: publish, 2:active…. |
| campaignSts | string | Y | draft, publish, active…… |
| campaignTypeId | int | Y | The campaign Type |
| campaignType | string | Y | The campaign type vlaue |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request in case**

* *https://119.46.160.70:8443/meo/rest/campaign?method=meo.campaign.basic.partner.search&accessToken=2dc14ebd94b74f689797be623f045032&timestamp=${=new Date().getTime()}&format=json&v=1&pageSize=10&pageNo=1*

**Request Body:**

*{*

*"campaignName": "Test 1 Participant",*

*"validDate": 1442682000000,*

*"expiredDate": 1443632399000,*

*"campaignStsId": 2,*

*"partnerId": 100000104002,*

*"campaignTypeId": 1,*

*"campaignNo": "100000122002"*

*}*

**Response Body:**

* *{*
* *"requestId": "meo-201509211512210000000008",*
* *"doneTime": 1442823141820,*
* *"body": {*
* *"pageSize": 10,*
* *"currentPage": 1,*
* *"result": [ {*
* *"campaignNo": "100000122002",*
* *"campaignBasicInfo": [ {*
* *"campaignId": 100000122002,*
* *"campaignName": "Test 1 Participant",*
* *"partnerName": "ELLELY,.LTD",*
* *"validDate": 1442682000000,*
* *"expiredDate": 1443632399000,*
* *"campaignStsId": 2,*
* *"campaignSts": "ACTIVE",*
* *"campaignType": "App Downloading to earn coin",*
* *"campaignTypeId": 1*
* *}]*
* *}],*
* *"totalSize": 1,*
* *"pageNum": 1*
* *}*
* *}*
* **Response in other cases:**

*HttpStatus:400*

## Get campaign basic info by campaign id

Get campaign basic information by campaign id.

### Function Module

Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.basic.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignId | long | Y | Campaign id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | campaignInfo | complex | Y | The campaign basic info. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignInfo | campaignId | long | Y | Campaign id |
| campaignName | string | Y | Campaign name |
| campaignNo | string | Y | campaign number |
| campaignType | string | Y | Campaign type value |
| campaignTypeId | int | Y | Campaign type |
| startDate | long | Y | Campaign start date |
| endDate | long | Y | Campaign end date |
| iconUrl | string | N | Icon URL |
| categoryId | int | Y | Category id, such as 1: food, 2: game …….. |
| categoryDisName | string | Y | Food ,game |
| description | string | N | Campaign description |
| participant | int | Y | participant |
| campaignUrl | string | N | The campaign url |
| templateName | string | Y | The campaign action template name |
| templateId | long | Y | The campaign action template id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL**

*https://localhost:8443/meo/rest/campaign?method=meo.campaign.basic.get&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&campaignId=100000138005*

**Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201510151411100000000003",*

*"doneTime": 1444893072047,*

*"body": {*

*"campaignId": 100000138005,*

*"campaignName": "redeemCampaign20151014",*

*"campaignNo": "100000138005",*

*"campaignType": "Data Package Redemption",*

*"campaignTypeId": 6,*

*"startDate": 1444842000000,*

*"endDate": 1448470799000,*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryDisName": "books",*

*"description": "redeem product description",*

*"participant": 50,*

*"campaignUrl": "C:/Users/yong/Desktop",*

*"partnerId": 100000046002,*

*"templateName": "test 1234567890",*

*"templateId": 100000024001*

*}*

*}*

**Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201504071213130000000002",*

*"doneTime": 1428379994413,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty campaignId"*

*}*

*}*

## Get campaign detail by campaign id

Get campaign detail by campaign id.

### Function Module

Customer App & Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

http://localhost:8080/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.detail.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Nane** | **Type** | **Is Mandatory** | **Description** |
| campaignId | long | Y | Campaign id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<campaignDetail> | complex | N | Campaign detail |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignDetail | propertyId | long | N | Property id |
| propertyCode | string | N | Property code. such as app\_name , app\_url |
| propertyValue | string | N | Property value. such as QQ, D:/picture/xxxxxx.jpg |
| propertyValueType | int | N | The property value type |
| propertyName | string | N | The property name |
| mandatory | int | N | If required |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request parameter:**

**Request URL:**

*https://119.46.160.70:8443/meo/rest/campaign?method=meo.campaign.detail.get&accessToken=bbe51c52085e4ba3b65dac8a12c778b8&timestamp=${=new Date().getTime()}&format=json&v=1&campaignId=100000107002*

**Request Body:**

* **Response in case of success:**
* *{*
* *"requestId": "meo-201509112009480000000004",*
* *"doneTime": 1441976988041,*
* *"body": [*
* *{*
* *"propertyId": 100000107007,*
* *"propertyCode": "appPicture3",*
* *"propertyValue": "appPicture1",*
* *"propertyValueType": 3,*
* *"propertyName": "Picture 3",*
* *"mandatory": 0*
* *},*
* *{*
* *"propertyId": 100000107008,*
* *"propertyCode": "appPicture2",*
* *"propertyValue": "appPicture2",*
* *"propertyValueType": 3,*
* *"propertyName": "Picture 2",*
* *"mandatory": 0*
* *},*
* *{*
* *"propertyId": 100000107009,*
* *"propertyCode": "appPicture1",*
* *"propertyValue": "appPicture3",*
* *"propertyValueType": 3,*
* *"propertyName": "Picture 1",*
* *"mandatory": 0*
* *}*
* *]*
* *}*
* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201505041429560000000005",*

*"doneTime": 1430720996103,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty campaignId"*

*}*

*}*

## Get campaign task by campaign id

Get campaign activity by campaign id.

### Function Module

Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign/task

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.task.partner.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | long | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignId | long | Y | Campaign id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<campaignTask> | complex | Y | The campaign task information. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignTask | taskId | long | Y | task id, example:100000000001 |
| actionId | long | Y | Action id example:100 |
| actionName | string | Y | Action name, example :download |
| List< taskParam> | complex | N | Task parameter instance |
| List<triggerTask> | complex | N | Trigger task |
| parentTaskId | long | N | Parent task id |
| parentActionId | long | N | Parent action id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| triggerTask | taskId | long | Y | task id , example 100000000002 |
| actionId | long | Y | Action id |
| actionName | string | Y | Action name |
| List<taskParam> | complex | Y | Task parameter instance |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| taskParam | paramInstanceId | long | Y | Task parameter instance id |
| paramId | long | Y | Example: 1, parameter default id |
| paramName | string | Y | Example: coins |
| paramValue | int | Y | Example: 10 |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request parameter:**

**Request URL:**

*https://localhost:8443/meo/rest/campaign/task?method=meo.campaign.task.partner.get&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&campaignId=100000135003*

**Request Body:**

* **Response in case of success:**

*{*

*"requestId": "meo-201510141323410000000011",*

*"doneTime": 1444803821351,*

*"body": [*

*{*

*"taskId": 100000130006,*

*"actionId": 1001,*

*"actionName": "download",*

*"triggerTaskList": [ {*

*"taskId": 100000130007,*

*"actionId": 2001,*

*"actionName": "grant coins",*

*"taskParamList": [ {*

*"paramInstanceId": 100000132004,*

*"paramId": 1000,*

*"paramName": "coin amount",*

*"paramValue": 100*

*}]*

*}]*

*},*

*{*

*"taskId": 100000130008,*

*"actionId": 1005,*

*"actionName": "open app",*

*"parentTaskId": 100000130006,*

*"parentActionId": 1001*

*}*

*]*

*}*

**Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201505041733280000000004",*

*"doneTime": 1430732008677,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty campaignId"*

*}*

*}*

## List Hot Campaign

Get hot campaigns for each campaign category, the hottest campaign is the one joined by the most number of participant.

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/campaign

https://localhost:8443/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.hot.cust.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| categoryId | int | N | When the category id is empty, system will return hot campaign of all category |
| groupCode | string | Y | The campaign [group code](#_Group_Code) |
| pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The hot campaign pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The campaign list information |
| totalSize | int | Y | The campaign total Size |
| pageNum | int | Y | the campaign total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<campaign> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campagin | campaignId | long | Y | The campaign id |
| campaignName | string | Y | The campaign name |
| iconUrl | string | Y | The campaign icon url |
| categoryId | int | N | The campaign category id |
| categoryName | string | N | the category name |
| totalCoins | int | N | complete the campaign activities all the tasks you get the rewards |
| participant | int | Y | The campaign participant |
| remainParticipant | int | Y | The campaign remain participant |
| requireCoins | long | Y | Join this campaign needs coin nums |
| campActionTempCode | string | Y | The campaign action template code |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

***Common error response***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.hot.cust.list&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&categoryId=1&pageSize=5&pageNo=1&groupCode=5*

*http://119.46.160.70:8080/meo/rest/campaign?method=meo.campaign.hot.cust.list &accessToken=e9573409afae427ab91f73aba76d6dca&timestamp=1430980771444&format=json&v=1&categoryId=1&pageSize=5&pageNo=1&signature=43cbc6001e6c88e5d3fbc9b0897cfc9f&groupCode=1*

* **Response successfully:**

*{*

*"requestId": "meo-201510141305330000000021",*

*"doneTime": 1444802734420,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [*

*{*

*"campaignId": 100000128003,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000127003,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000137003,*

*"campaignName": "downloadCampaign20151013\_002",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20,*

*"campActionTempCode": "download2"*

*},*

*{*

*"campaignId": 100000126003,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000136006,*

*"campaignName": "downloadCampaign20151013",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20,*

*"campActionTempCode": "download2"*

*}*

*],*

*"totalSize": 25,*

*"pageNum": 5*

*}*

*}*

## List New Campaign

Get the newly publish campaign based on the publish date. The API will sort campaigns by publish time, first published first display.

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/campaign

https://localhost:8443/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.new.cust.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| categoryId | int | N | When the category id is empty, system will return hot campaign of all category |
| groupCode | string | Y | The campaign [group code](#_Group_Code) |
| pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The new campaign pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The campaign list information |
| totalSize | int | Y | The campaign total Size |
| pageNum | int | Y | the campaign total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<campaign> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campagin | campaignId | long | Y | The campaign id |
| campaignName | string | Y | The campaign name |
| iconUrl | string | Y | The campaign icon url |
| categoryId | int | N | The campaign category id |
| categoryName | string | N | the category name |
| totalCoins | int | N | complete the campaign activities all the tasks you get the rewards |
| participant | int | Y | The campaign participant |
| remainParticipant | int | Y | The campaign remain participant |
| requireCoins | long | Y | Join this campaign needs coin nums |
| campActionTempCode | string | Y | The campaign action template code |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

***Common error response***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.new.cust.list&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&categoryId=1&pageSize=20&pageNo=1&groupCode=5*

*http://119.46.160.70:8080/meo/rest/campaign?method=meo.campaign.hot.cust.list&accessToken=e9573409afae427ab91f73aba76d6dca&timestamp=1430982256382&format=json&v=1&categoryId=1&pageSize=5&pageNo=1&signature=ba8b3281f7554e06b46694703818e385&groupCode=1*

**Response in other cases:**

*{*

*"requestId": "meo-201510141310440000000022",*

*"doneTime": 1444803045875,*

*"body": {*

*"pageSize": 20,*

*"currentPage": 1,*

*"result": [*

*{*

*"campaignId": 100000137003,*

*"campaignName": "downloadCampaign20151013\_002",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20,*

*"campActionTempCode": "download2"*

*},*

*{*

*"campaignId": 100000136006,*

*"campaignName": "downloadCampaign20151013",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20,*

*"campActionTempCode": "download2"*

*},*

*{*

*"campaignId": 100000128003,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000127003,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000126003,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000125004,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000135003,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000135005,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000135007,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000134003,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000134004,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000134005,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000133003,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000133004,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000122004,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000132003,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000132004,*

*"campaignName": "downloadCampaign20151009\_001",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000121006,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000121007,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*},*

*{*

*"campaignId": 100000131004,*

*"campaignName": "downloadCampaign20151009",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"categoryId": 1,*

*"categoryName": "books",*

*"totalCoins": 100,*

*"participant": 20,*

*"remainParticipant": 20*

*}*

*],*

*"totalSize": 25,*

*"pageNum": 2*

*}*

*}*

## List earn coins activity history

Client can invoke interface to query activity history profile

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/campaign

https://localhost:8443/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.activity.coin.earned.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< campaignActivityHistroy > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignActivityHistory | rewardId | long | Y | The activity reward id |
| actionId | long | Y | The action id. Example:101- download |
| actionName | string | Y | The action name. Example :download |
| doneTime | long | Y | The done time. |
| rewardType | int | Y | The reward type 1-coins 2-experience |
| rewardValue | int | Y | The reward value |
| rewardUnitId | int | Y | 1-quantity |
| rewardUnit | string | Y | The unit name. For example: quantity |
| campaignId | long | Y | The campaign id |
| campaignName | string | Y | The campaign name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**

*https://localhost:8443/meo/rest/campaign?method=meo.activity.coin.earned.list&accessToken=8b32d4a23ec24a56a3d73bde981f89fd&timestamp=1431077759945&format=json&v=1&pageSize=10&pageNo=1*

*http://localhost:8080/meo/rest/campaign?method=meo.activity.coin.earn.get&accessToken=8b32d4a23ec24a56a3d73bde981f89fd&timestamp=1431077759945&format=json&v=1&pageSize=10&pageNo=1&signature=18ef80a7e2b9454b1e3e1e63073cd7a2*

* **Response in other cases:**

*{*

*"requestId": "meo-201508201405230000000002",*

*"doneTime": 1440050724314,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"rewardId": 100000015003,*

*"actionId": 2001,*

*"doneTime": 1438744657000,*

*"rewardType": 1,*

*"rewardValue": 100,*

*"rewardUnitId": 1,*

*"actionName": "grant coins",*

*"content": "helloworld"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}*

## List APP Category

Campaign designer need fill in the category when campaign designer configures the campaign. This API can get the all category of campaign.

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.category.app.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| categoryId | long | N | It is [APP category](#_Category_type) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< CategoryDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| CategoryDefine | categoryId | long | Y | Category id example:1 |
| parentCateId | long | Y | Parent Category id example: 0 |
| name | string | Y | Category name example: books |
| iconURL | string | N | The category icon url |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**
* *https://119.46.160.70:8443/meo/rest/common/define?method=meo.category.app.list&accessToken=bbe51c52085e4ba3b65dac8a12c778b8&timestamp=${=new Date().getTime()}&format=json&v=1&categoryId=1*
* **Response in case of success:**
* *{*
* *"requestId": "meo-201509111957540000000029",*
* *"doneTime": 1441976274269,*
* *"body": {*
* *"pageSize": 10,*
* *"currentPage": 1,*
* *"result": [*
* *{*
* *"name": "books",*
* *"categoryId": 1,*
* *"parentCateId": 0,*
* *"iconURL": "D:/pictures/1.jpeg"*
* *}*
* *],*
* *"totalSize": 1,*
* *"pageNum": 1*
* *}*
* *}*
* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201505082101270000000005",*

*"doneTime": 1431090088017*

*"error": {*

*"errCode": "300001",*

*"errMsg": "Server is not available."*

*}*

*}*

## List Currency Unit

The currency unit, example BAHT/USD/YUAN.

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.unit.currency.list.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| measureId | long | N | [Currency](#_Currency) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<MeasureDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| MeasureDefine | measureId | long | Y | Measure id , example:100 |
| measureName | string | Y | The measure name, example: Baht |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.unit.currency.list&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1431090349092&format=json&v=1&measureId=1*

**Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508201500410000000024",*

*"doneTime": 1440054041564,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"measureId": 1,*

*"measureName": "BAHT"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}***Response in other cases:**

*HttpStatus:400*

## List Charge Unit

Campaign designer need choose the charge unit,when configuring the campaign , example 1:charge per install,2:charge per order(coin)

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.unit.charge.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| chargeUnitId | string | N | The charge unit id [Charge unit](#_Charge_type) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< ChargeUnitDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ChargeUnitDefine | chargeUnitId | string | Y | Charge unit id |
| chargeUnit | string | Y | Charge unit name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.unit.charge.list&accessToken=3c20893a70e547f0a3d9fd36d63e938e&timestamp=1430710396372&format=json&v=1&chargeUnitId=1*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508201458500000000021",*

*"doneTime": 1440053930778,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"chargeUnitId": "1",*

*"chargeUnit": "charge per install"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

## List Campaign Type

Campaign designer need choose the campaign type, when configuring the campaign, example 1: download app to earn coin 2: app specific 3: Package Redemption etc.

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.type.compaign.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignTypeId | string | N | 1: download app to earn coin 2: app specific 3... [Campaign Type](#_Account_Status) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< campaignTypeDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignTypeDefine | campaignTypeId | string | Y | Enum Code example : 1 |
| campaignTypeName | string | Y | Enum DipName example : app download to earn coin |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.type.compaign.list&accessToken=3c20893a70e547f0a3d9fd36d63e938e&timestamp=1430711117967&format=json&v=1&campaignTypeId=1*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508201456530000000019",*

*"doneTime": 1440053813159,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"campaignTypeId": "1",*

*"campaignTypeName": "App Downloading to earn coin"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}***Response in other cases:**

*HttpStatus:400*

## List Time Unit

The API support that getting the time unit .example:100-month; 200-day

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.unit.time.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| timeUnitId | long | N | [Time Type](#_Time_type) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<timeUnitDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| timeUnitDefine | timeUnitId | long | Y | Time unit id example :100 |
| timeUnitName | string | Y | The time unit name,example: month |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request in case**

*https://localhost:8443/meo/rest/common/define?method=meo.unit.time.list&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1431090621704&format=json&v=1&timeUnitId=5*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508201432260000000017",*

*"doneTime": 1440052346210,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"timeUnitId": 5,*

*"timeUnitName": "day"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

## List Action

Campaign designer need choose the action when configuring the activity of campaign. Example: 100-downlad, 101 like etc.

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.action.reward.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| actionId | long | N |  |
| actionType | int | Y | [Action Type](#_Campaign_Action) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< ActionDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ActionDefine | actionName | string | Y | Action Name, example :download |
| actionId | int | Y | Action id , example :100 |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.action.reward.list&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1431090795589&format=json&v=1&actionType=1*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508201430200000000014",*

*"doneTime": 1440052220444,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*{*

*"actionName": "download",*

*"atcionId": 1001*

*},*

*{*

*"actionName": "active resource",*

*"atcionId": 1002*

*},*

*{*

*"actionName": "redeem product",*

*"atcionId": 1003*

*},*

*{*

*"actionName": "joinCampaign",*

*"atcionId": 1004*

*},*

*{*

*"actionName": "openApp",*

*"atcionId": 1005*

*}*

*],*

*"totalSize": 5,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

## Get Asset Balance

Customer can get the asset type balance.

### Function Module

Customer app

### HTTP URL

http[s]://localhost:{port}/meo/rest/customer/asset/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.asset.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose, for instance.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| assetType | int | Y | [Asset type](#_Asset_type) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | Asset | complex | Mandatory | The asset info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Asset | assetBalance | long | Mandatory | The total coins |
| customerID | long | Mandatory | The customer id |
| assetType | int | Mandatory | [Asset type](#_Asset_type) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/customer/asset?method=meo.asset.get&accessToken=90ae6b9e9e9a4ae6a82cd6bdc93728d3&timestamp=1434425637898&format=json&v=1&assetType=2*

* **Response in case of success:**

*{*

*"requestId": "meo-201506161138500000000003",*

*"doneTime": 1434425931732,*

*"body": {*

*"assetBalance": 1,*

*"customerID": 100000033001,*

*"assetType": 2*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201506161629200000000006",*

*"doneTime": 1434443360825,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty assetType"*

*}*

*}*

## Get campaign detail information by campaign id

Client can invoke interface to get the campaign detail information and display the campaign on MEO APP.

### Function Module

Customer APP

### HTTP URL

http[s]://localhost:{port}/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.get**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignId | long | Y | The campaign id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | String | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | Campaign | complex | Y | The product basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Campaign | campaignId | long | Y | The campaign id |
| campaignNo | string | Y | The campaign number |
| campaignTypeId | int | Y | Campaign type id |
| campaignType | string | Y | Campaign type |
| campaignBeginDate | long | Y | The campaign begin date |
| campaignEndDate | long | Y | Campaign end date |
| categoryId | int | Y | Category id |
| category | string | Y | Category |
| participant | int | Y | The total # of participant |
| remainParticipant | int | Y | The remain # ofpaticipant |
| campaignUrl | string | Y | The campaign indroduce url |
| description | string | Y | The description |
| currentTaskId | long | Y | The current task id |
| nextTaskId | long | N | The next step task id |
| totalCoins | int | N | complete the campaign activities all the tasks you get the rewards |
| campaignTasks | List<CampaignTask> | Y | The campaign task list |
| campaignPropertys | List<CampaignProperty> | Y | The campaign property list |
| campaignName | string | Y | The campaign Name |
| iconUrl | string | N | The campaign icon url |
| partnerId | long | Y | The campaign partner id |
| partnerName | string | Y | The campaign partner Name |
| partnerAvatar | string | N | The campaign partner avatar |
| requireCoins | long | Y | Join this campaign needs coin nums |
| campActionTempCode | string | Y | The campaign action template code |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| CampaignTask | taskId | long | N | task id, example:100000000001 |
| *actionId* | long | Y | action id example:100 |
| *actionName* | string | Y | Action name |
| *taskParamList* | complex | N | taskParamList is arrayList,List<taskParam> |
| *triggerTaskList* | complex | N | triggerTaskList is arrayList,List<triggerTask> |
| *parentTaskId* | long | N | The campaign task parent id |
| *parentActionId* | long | N |  |
| *joinStatus* | long | Y | 1 means current login user has joined the campaignTask ,0 means current login user has not joined the campaignTask |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| triggerTask | taskId | long | Y | task id , example 100000000002 |
| actionId | long | Y | Action id |
| actionName | string | Y | Action name |
| List<taskParam> | complex | Y | Task parameter instance |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| taskParam | paramInstanceId | long | Y | Task parameter instance id |
| paramId | long | Y | Example: 1, parameter default id |
| paramName | string | Y | Example: coins |
| paramValue | int | Y | Example: 10 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| CampaignProperty | propertyId | Long | N | Property id |
| propertyCode | string | N | Property code. such as app\_name , app\_url |
| propertyValue | string | N | Property value. such as QQ, D:/picture/xxxxxx.jpg |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | String | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | String | Y | Pre-defined business error code |
| errMsg | String | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.get&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&campaignId=100000137003*

* **Response in case of success:**
* *{*
* *"requestId": "meo-201510141655550000000005",*
* *"doneTime": 1444816555813,*
* *"body": {*
* *"campaignId": 100000137003,*
* *"campaignNo": "100000137003",*
* *"campaginTypeId": 1,*
* *"campaginType": "App Downloading to earn coin",*
* *"campaginBeginDate": 1444755600000,*
* *"campaginEndDate": 1448470799000,*
* *"categoryId": 1,*
* *"category": "books",*
* *"participant": 20,*
* *"remainParticipant": 20,*
* *"campaignUrl": "C:/Users/yong/Desktop",*
* *"description": "the description",*
* *"campaignTasks": [*
* *{*
* *"taskId": 100000132006,*
* *"actionId": 1001,*
* *"actionName": "download",*
* *"triggerTaskList": [ {*
* *"taskId": 100000132007,*
* *"actionId": 2001,*
* *"actionName": "grant coins",*
* *"taskParamList": [ {*
* *"paramInstanceId": 100000134004,*
* *"paramId": 1000,*
* *"paramName": "coin amount",*
* *"paramValue": 100*
* *}]*
* *}],*
* *"joinStatus": 0*
* *},*
* *{*
* *"taskId": 100000132008,*
* *"actionId": 1005,*
* *"actionName": "open app",*
* *"parentTaskId": 100000132006,*
* *"parentActionId": 1001,*
* *"joinStatus": 0*
* *}*
* *],*
* *"campaignPropertys": [*
* *{*
* *"propertyId": 100000134008,*
* *"propertyCode": "appName",*
* *"propertyValue": "appName"*
* *},*
* *{*
* *"propertyId": 100000134009,*
* *"propertyCode": "appDescription",*
* *"propertyValue": "appDescription"*
* *},*
* *{*
* *"propertyId": 100000134010,*
* *"propertyCode": "appPicture1",*
* *"propertyValue": "appPicture1"*
* *},*
* *{*
* *"propertyId": 100000134011,*
* *"propertyCode": "appPicture2",*
* *"propertyValue": "appPicture2"*
* *},*
* *{*
* *"propertyId": 100000134012,*
* *"propertyCode": "appPicture3",*
* *"propertyValue": "appPicture3"*
* *}*
* *],*
* *"totalCoins": 100,*
* *"campaignName": "downloadCampaign20151013\_002",*
* *"iconUrl": "C:/Users/yong/Desktop",*
* *"partnerId": 100000046002,*
* *"partnerName": "mojito01",*
* *"partnerAvatar": "/meo/rest/public/file/uploaded/9e7f430c3d8a44c6b459bef939df6c0e.png",*
* *"campActionTempCode": "download2"*
* *}*
* *}*
* **Response in other cases:**

*{*

*"requestId": "meo-201508061653090000001425",*

*"doneTime": 1438854789305,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## List partner type

Client can invoke interface to get partner type information

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.type.partner.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerTypeId | int | N | If the parameter is empty, the interface will return all partner type |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The response body |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<PartnerTypeDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| PartnerTypeDefine | partnerTypeId | int | Y | The partner type id |
| partnerType | String | Y | The partner type name |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.type.partner.list&accessToken=8eb05c2c314f4306a0b6a39f3be9f429&timestamp=1433491068039&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201508201428430000000011",*

*"doneTime": 1440052123773,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*{*

*"partnerTypeId": "1",*

*"partnerType": "MNO"*

*},*

*{*

*"partnerTypeId": "2",*

*"partnerType": "Retail "*

*},*

*{*

*"partnerTypeId": "3",*

*"partnerType": "Mobile App/ Game"*

*},*

*{*

*"partnerTypeId": "4",*

*"partnerType": "E-commerce"*

*},*

*{*

*"partnerTypeId": "5",*

*"partnerType": "Mobile Music & Video"*

*},*

*{*

*"partnerTypeId": "6",*

*"partnerType": "Travel & Local"*

*},*

*{*

*"partnerTypeId": "7",*

*"partnerType": "Transportation"*

*},*

*{*

*"partnerTypeId": "8",*

*"partnerType": "Official Account Fan Page"*

*},*

*{*

*"partnerTypeId": "9",*

*"partnerType": "Social Networks"*

*}*

*],*

*"totalSize": 9,*

*"pageNum": 1*

*}*

*}***Response in other cases:**

## List contract by partner id

Client can invoke interface to get partner list by partner id

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/partner/contract

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.contract.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerId | long | Y | The partner id |
| pageNo | Int | N | Page number to render a contract template (default value is 1) |
| pageSize | Int | N | Page size to render a contract template (default value is 10) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The response body |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | contract | List<Contract> | Y | The list of contract |
| body | PageInfo | complex | N | The list of contract page info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Contract | partnerId | long | Y | The Partner id |
| contractId | long | Y | Contract id |
| contractName | string | Y | Contract name |
| templeteId | long | Y | The template id |
| contractNo | long | Y | The contract number |
| buyers | string | Y | The Buyer |
| sellers | string | Y | The seller |
| signedPlace | string | Y | The place sign the contract |
| signedDate | long | Y | The sign date |
| contractUrl | string | Y | The url of contract upload |
| statusCode | int | Y | The status code of contract |
| statusName | string | Y | The status name of contract |
| validate | long | Y | The valid date.format :yyyy-MM-dd |
| expiredDate | long | Y | The expired date. format :yyyy-MM-dd |
| saleId | long | Y | The sale id |
| operatorId | long | Y | The operator id |
| contractPrices | List< ContractPrice > | Y | The contract price list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ContractPrice | priceId | long | Y | The price id |
| price | long | Y | The price value |
| priceUnitId | int | Y | The price value unit id |
| priceUnit | string | Y | The [price value](#_Currency_type) unit |
| priceType | int | Y | Price type( 1.coins price 2.data package price) |
| PageInfo | pageSize | Int | Y | Maximum size of the page per request |
| Currentpage | Int | Y | The current page |
| template | complex | Y | Contract template list |
| totalSize | int | Y | The total record of all contract template list |
| pageNum | Int | Y | The total page of all contract template list |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/partner/contract?method=meo.contract.list&accessToken=e4735e3ce58e440a8d3bdce85fcb2ce7&timestamp=1433732690293&format=json&v=1&partnerId=100000033000*

* **Response in case of success:**

*{*

*"requestId": "meo-201508241208360000000013",*

*"doneTime": 1440392916214,*

*"body": {*

*"pageSize": 1,*

*"currentPage": 1,*

*"result": [ {*

*"partnerId": 100000033000,*

*"contractId": 100000049001,*

*"contractName": "asiainfo\_contract02",*

*"templeteId": 100000038,*

*"contractNo": "100000049001",*

*"buyers": "meo1",*

*"sellers": "sellers1",*

*"signedPlace": "hangzhou1",*

*"signedDate": 1432267810000,*

*"statusCode": 0,*

*"statusName": "INACTIVE",*

*"validate": 1431882000000,*

*"expiredDate": 1431968399000,*

*"saleId": 11111111111,*

*"operatorId": 100020001,*

*"contractPrices": [ {*

*"priceId": 100000041001,*

*"price": 1,*

*"priceUnitId": 1,*

*"priceUnit": "BAHT",*

*"priceType": 1*

*}]*

*}],*

*"totalSize": 2,*

*"pageNum": 2*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201508241209190000000014",*

*"doneTime": 1440392959113,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## List denomination unit

Client can invoke interface to get denomination unit of product by service type

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.unit.denomination.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| denominationUnitId | int | N | The denomination unit id, if it is empty, will return all denomination unit by service type |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The response body |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< DenominationDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| DenominatonUnitDefine | denominationUnitId | int | Y | The [denomination unit](#_Denomination_type) id |
| denominationUnit | string | Y | The denomination unit name |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.unit.denomination.list&accessToken=8eb05c2c314f4306a0b6a39f3be9f429&timestamp=1433491305178&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201508201427200000000009",*

*"doneTime": 1440052040567,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*{*

*"denominationUnitId": 1,*

*"denominationUnit": "MB"*

*},*

*{*

*"denominationUnitId": 2,*

*"denominationUnit": "KB"*

*},*

*{*

*"denominationUnitId": 3,*

*"denominationUnit": "Hour"*

*},*

*{*

*"denominationUnitId": 4,*

*"denominationUnit": "Month"*

*}*

*],*

*"totalSize": 4,*

*"pageNum": 1*

*}*

* *}***Response in other cases:**

## Search product basic information

Client can invoke interface to search product information by multi conditions.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product

### HTTP Method

Post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.search**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | Page size |
| pageNo | int | N | Page number |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| searchCondition | productCategoryId | int | N | Product category id |
| productId | long | N | Product id |
| productName | string | N | The product name |
| productValidity | int | N | The product validity period for customer |
| activationValidity | int | N | The product activation validity period for customer |
| validDate | long | N | The valid date of product activity |
| expiredDate | long | N | The expired date of product activity |

### Response

##### Response to succeeded

If login succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The product pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<ProductBasic> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductBasic | productId | long | Y | The product id |
| productName | string | Y | The product name |
| productDescription | string | Y | The product description |
| denomination | int | Y | The value of free resource |
| denominationUnitId | int | Y | The value unit id. |
| denominationUnit | string | Y | The value unit [Denomination unit](#_Denomination_type) |
| productCyclePeriod | int | Y | The product cycle id [Product cycle](#_Product_cycle) |
| productCyclePeriodUnit | string | Y | the cycle period unit |
| productStsId | int | Y | Product status id |
| productSts | string | Y | Product status name [Product status](#_Product_status) |
| productValidDate | long | Y | The product activity valid date |
| productExpireDate | long | Y | The product activity expire date |

##### Response to fail

If login failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.search&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434076246888&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201510051338080000000012",*

*"doneTime": 1444027088498,*

*"body": {*

*"pageSize": 2,*

*"currentPage": 1,*

*"result": [*

*{*

*"productId": 100000139001,*

*"productName": "productNamezhoujj222",*

*"productDescription": "descriptionzhoujj222",*

*"denomination": 1,*

*"productCyclePeriod": 2,*

*"productCyclePeriodUnit": "Recurring",*

*"productStsId": 1,*

*"productSts": "draft",*

*"productValidDate": 1444410000000,*

*"productExpiredDate": 1445619599000*

*},*

*{*

*"productId": 100000138001,*

*"productName": "productNamezhoujj222",*

*"productDescription": "descriptionzhoujj222",*

*"denomination": 1,*

*"denominationUnitId": 1,*

*"denominationUnit": "MB",*

*"productCyclePeriod": 2,*

*"productCyclePeriodUnit": "Recurring",*

*"productStsId": 2,*

*"productSts": "active",*

*"productValidDate": 1444410000000,*

*"productExpiredDate": 1445619599000*

*}*

*],*

*"totalSize": 4,*

*"pageNum": 2*

*}*

*}*

* **Request json:**

*{*

*"productId":1000001,*

*"productName":"productNamezhoujj",*

*"validDate":1444410000000,*

*"expiredDate":1445619599000,*

*"productCategoryId":1,*

*"productValidity":9,*

*"activationValidity":9*

*}*

* **Response in other cases:**

## Get product list

Client can invoke interface to get the product list and display the product for partner..

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | Page size |
| pageNo | int | N | Page number |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | PageInfo | complex | N | The product list’s page info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Product | productId | long | Y | The product id |
| productCategoryId | int | Y | The product category id [Product category](#_Product_category) |
| productName | string | Y | The product name |
| productDescription | string | Y | The product description |
| denomination | int | Y | The face value of product |
| denominationUnitId | int | Y | The face value unit.  Denomination type |
| denominationUnit | string | Y | The denomination unit |
| productStsId | int | Y | The product status id [Product status](#_Product_status) |
| productSts | string | Y | The product status [Product status](#_Product_status) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| PageInfo | pageSize | Int | Y | Maximum size of the page per request |
| Currentpage | Int | Y | The current page |
| Product | complex | Y | product list |
| totalSize | int | Y | The total record of all product list |
| pageNum | Int | Y | The total page of all product list |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.list&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434076839097&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201508241325560000000016",*

*"doneTime": 1440397556915,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [*

*{*

*"productId": 100000001000,*

*"productName": "productName1",*

*"productDescription": "description1",*

*"denomination": 1,*

*"denominationUnitId": 1,*

*"denominationUnit": "MB",*

*"productStsId": 1,*

*"productSts": "draft"*

*},*

*{*

*"productId": 100000004001,*

*"productCategoryId": 21,*

*"productCategory": "Data Package",*

*"productName": "productName3",*

*"productDescription": " Product Description3",*

*"denomination": 1,*

*"denominationUnitId": 1,*

*"denominationUnit": "MB",*

*"productStsId": 1,*

*"productSts": "draft"*

*},*

*{*

*"productId": 100000005000,*

*"productCategoryId": 21,*

*"productCategory": "Data Package",*

*"productName": "productName4",*

*"productDescription": "product Description 4",*

*"denomination": 2,*

*"denominationUnitId": 3,*

*"denominationUnit": "Hour",*

*"productStsId": 1,*

*"productSts": "draft"*

*}*

*],*

*"totalSize": 3,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201508241326340000000017",*

*"doneTime": 1440397594084,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Get product basic information by product id

Client can invoke interface to get the product information by product id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.basic.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productId | long | Y | The product id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | Product | complex | Y | The product basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Product | productId | long | Y | The product id |
| productName | string | Y | The product name |
| productDescription | string | Y | The product description |
| denomination | int | Y | The value of free resource |
| denominationUnitId | int | Y | The value unit. [Denomination unit](#_Denomination_unit) |
| denominationUnit | string | Y | The denomination unit |
| productStsId | int | Y | The product status id [Product status](#_Product_status) |
| productSts | string | Y | The product status [Product status](#_Product_status) |
| imgURL | String | Y | The product’s image URL |
| productCategory | String | Y | The product’s category |
| productValidDate | Long | Y | The product’s valid date |
| productExpiredDate | Long | Y | The product’s expired date |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.basic.get&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434077029072&format=json&v=1&productId= 100000007002*

*http://localhost:8080/meo/rest/product?method=meo.product.basic.get&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434077237281&format=json&v=1&productId=100000007002&signature=f43a46f4aef72acd6dfbda0e204162c8*

* **Response in case of success:**

*{*

*"requestId": "meo-201510051350260000000015",*

*"doneTime": 1444027826885,*

*"body": {*

*"productDescription": "descriptionzhoujj222",*

*"denomination": 1,*

*"denominationUnitId": 1,*

*"denominationUnit": "MB",*

*"productStsId": 2,*

*"productSts": "active",*

*"productId": 100000138001,*

*"productName": "productNamezhoujj222",*

*"imgURL": "D:/Local/MyEclipse/zhoujj222",*

*"productCategoryId": 20,*

*"productCategory": "Vertical App",*

*"productValidDate": 1444410000000,*

*"productExpiredDate": 1445619599000*

*}*

* *}***Response in other cases:**

*{*

*"requestId": "meo-201506121044030000000020",*

*"doneTime": 1434077043982,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty productId"*

*}*

*}*

## Get product specification by product id

Client can invoke interface to get the product specification information by product id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.specification.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productId | long | Y | The product id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | ProductSpec | complex | Y | The specification of the product |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductSpec | productSpecId | long | Y | The product specification id |
| productId | long | Y | The product id |
| validationPeriod | int | Y | effective period of product |
| validationPeriodUnitId | int | N | The effective period unit [Time type](#_Time_type) |
| validationPeriodUnit | String | N | The effective period unit |
| activationPeriod | int | Y | Activated period of product |
| activationPeriodUnitId | int | Y | The activated period unit [Time type](#_Time_type) |
| activationPeriodUnit | String | Y | The activated period unit |
| countryCode | int | N | The country code |
| country | string | N | Country name |
| provCode | int | N | Province code |
| province | string | N | Province name |
| prodCycleTypeId | int | Y | Product cycle type id |
| prodCycleType | string | Y | Product cycle type, [Cycle type](#_Product_cycle) |
| cityCode | int | N | City code |
| city | string | N | City name |
| ip | stirng | N | The sponsored product ip |
| port | stirng | N | The sponsored product port |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.specification.get&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434077583713&format=json&v=1&productId=100000007002*

* **Response in case of success:**

*{*

*"requestId": "meo-201510021814150000000001",*

*"doneTime": 1443784456408,*

*"body": {*

*"productSpecId": 100000125001,*

*"productId": 100000138001,*

*"validationPeriod": 9,*

*"validationPeriodUnitId": 4,*

*"validationPeriodUnit": "month",*

*"activationPeriod": 9,*

*"activationPeriodUnitId": 5,*

*"activationPeriodUnit": "day",*

*"prodCycleTypeId": 2,*

*"prodCycleType": "Recurring",*

*"ip": "192.168.0.0",*

*"port": "0000"*

*}*

*}***Response in other cases:**

## Get order range by product category id

Client can invoke interface to get the order range by product category id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.range.order.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| categoryId | long | Y | The product category id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | orderRangeList | List< orderRange > | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRange | rangeId | long | Y | The primary key |
| rangeName | string | N | The range name |
| maxCount | long | Y | The max count |
| minCount | long | Y | The min count |
| countUnit | int | Y | The count unit |
| catagoryId | int | Y | The category id |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.range.order.get&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201510021727190000000002",*

*"doneTime": 1443781642001,*

*"body": [*

*{*

*"rangeId": 1,*

*"rangeName": "rangeName",*

*"minCount": 1,*

*"maxCount": 5,*

*"countUnit": 1,*

*"categoryId": 1*

*},*

*{*

*"rangeId": 2,*

*"rangeName": "rangName2",*

*"minCount": 1,*

*"maxCount": 6,*

*"countUnit": 1,*

*"categoryId": 1*

*}*

*]*

*}***Response in other cases:**

*{*

*"requestId": "meo-201507011757180000000009",*

*"doneTime": 1435744638449,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty categoryId"*

*}*

*}*

## Get product price by product id

Client can invoke interface to get the product price information by product id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.price.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productId | long | Y | The product id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | productPrices | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductPrice | productPriceId | long | Y | The product price id |
| productId | long | Y | The product id |
| price | long | Y | The price of product |
| priceUnitId | int | Y | Price unit id |
| priceUnit | string | Y | [Price unit](#_Currency_type) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.price.get&accessToken=a524cbcfeac145e593b4fba689a0d410&timestamp=1435744672931&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201510021717400000000001",*

*"doneTime": 1443781060739,*

*"body": {*

*"productPriceId": 100000031001,*

*"productId": 100000138001,*

*"price": 8888,*

*"priceUnitId": 1,*

*"priceUnit": "BAHT"*

*}*

*}***Response in other cases:**

*{*

*"requestId": "meo-201507011757180000000009",*

*"doneTime": 1435744638449,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty productId"*

*}*

*}*

## Get product discount by product id

Client can invoke interface to get the product discount information by product id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.discount.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productId | long | Y | The product id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | discountRule | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N |  |
| discountName | string | Y | The discount name |
| discountRange | complex | Y | discount rule and order range relationship |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N |  |
| discountPrice | complex | Y | The discount price,ref price complex entity |
| rangeId | long | Y | The range id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| price | priceId | long | N |  |
| price | long | M | The price value |
| priceUnit | int | M | The rice unit |
| priceUnitName | string | M | The unit name |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.discount.get&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201510021656370000000004",*

*"doneTime": 1443779797216,*

*"body": {*

*"discountId": 100000022001,*

*"discountName": "discountNamezhoujj222",*

*"discountRange": {*

*"disRangeId": 100000001801,*

*"discountPrice": {*

*"priceId": 100000032001,*

*"price": 9999,*

*"priceUnit": 1,*

*"unit": "BAHT"*

*},*

*"rangeId": 1*

*}*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201510021657260000000005",*

*"doneTime": 1443779846872,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty productId"*

*}*

*}*

## Get the product mapping information with MNO by product id

Client can invoke interface to get the product mapping information by product id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.mapping.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productId | long | Y | The product id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<ProductMapping> | complex | Y | The product price information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductMapping | productMappingId | long | Y | The product mapping id |
| productId | long | Y | The product id |
| mnoProdId | long | Y | The mno uct id |
| mnoId | int | Y | Mno id |
| mnoName | string | Y | Mno name [Mno type](#_MNO_Type) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | String | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.mapping.get&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434078012377&format=json&v=1&productId=100000007002*

* **Response in case of success:**

*{*

*"requestId": "meo-201510021655310000000002",*

*"doneTime": 1443779731758,*

*"body": [*

*{*

*"productMappingId": 100000132001,*

*"productId": 100000138001,*

*"mnoProdId": 1,*

*"mnoId": 1,*

*"mnoName": "AIS"*

*},*

*{*

*"productMappingId": 100000132002,*

*"productId": 100000138001,*

*"mnoProdId": 2,*

*"mnoId": 2,*

*"mnoName": "TRUE"*

*}*

*]*

*}***Response in other cases:**

*{*

*"requestId": "meo-201506121102470000000028",*

*"doneTime": 1434078167199,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty productId"*

*}*

*}*

## Save product

Before client publish the product, client can save the product into platform. This interface support modify the draft product. The product status is draft.

### Function Module

Portal

### HTTP URL

https://localhost:8443/meo/rest/product

### HTTP Method

Post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.save**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductCommon | product | complex | Y | The product basic information |
| productSpec | complex | N | The detail information of the product specification |
| productMappings | complex | N | productMappings is arrayList,List<ProductMapping> |
| productPricePlan | complex | N | The product price plan |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| product | productId | long | N | If modify the draft product, the product is mandatory. |
| productName | string | N | The product name |
| description | string | N | The product description |
| imgUrl | string | Y | The product image url |
| categoryId | int | Y | The product category |
| denomination | int | N | The face value of product 2 |
| denominationUnit | int | N | The unit of face value [Denomination type](#_Denomination_type) |
| validDate | long | Y | The product valid date |
| expiredDate | long | Y | The product expired date |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productSpec | productSpecId | long | N | The product specification id |
| validationPeriod | int | N | effective period of product |
| validationPeriodUnitId | int | N | The effective period unit [Time type](#_Time_type) |
| activationPeriod | int | N | Activated period of product |
| activationPeriodUnitId | int | N | The activated period unit [Time type](#_Time_type) |
| countryCode | int | N | The country code |
| provCode | int | N | Province code |
| prodCycleTypeId | int | N | Product cycle type id [Cycle type](#_Product_cycle) |
| cityCode | int | N | City code |
| ip | string | N | The sponsored product ip |
| port | stirng | N | The sponsored product port |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productMapping | productMappingId | long | N | The product mapping id |
| mnoId | int | N | Mno id ref [mno type](#_MNO_Type) |
| mnoProdId | long | N | The product id of mno |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductPricePlan | pricePlanId | long | N | The price plan id, If modify the pricePlan, should input pricePlanId |
| productPrice | complex | Y | The price information |
| discountRule | complex | N | The discount rule information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productPrice | priceId | long | N |  |
| price | long | Y | The price value |
| priceUnit | int | N | The rice unit |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N |  |
| discountName | string | N | The discount name |
| discountRange | complex | Y | discount rule and order range relationship |
| startDate | long | Y | The start date of the discount price |
| endDate | long | y | The end date of the discount price |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N |  |
| discountPrice | complex | Y | The discount productPrice,ref price complex entity |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | productId | long | Y | The product id |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.save&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1434090500940&format=json&v=1*

* **Request body:**

*{*

*"product": {*

*"productName": "productNamezhoujj222",*

*"description": "descriptionzhoujj222",*

*"imgUrl": "D:/Local/MyEclipse/zhoujj222",*

*"categoryId": 1,*

*"denomination": 1,*

*"validDate": 1446410000000,*

*"expiredDate": 1447619599000*

*},*

*"productSpec": {*

*"validationPeriod": 9,*

*"validationPeriodUnitId": 1,*

*"countryCode": 9,*

*"provCode": 9,*

*"cityCode": 9,*

*"ip": "192.168.0.0",*

*"port": "0000"*

*},*

*"productMappings": [*

*{*

*"mnoId": 66,*

*"mnoProdId": 66*

*},*

*{*

*"mnoId": 5,*

*"mnoProdId": 5*

*}*

*],*

*"productPricePlan": {*

*"productPrice": {*

*"price": 8888,*

*"priceUnit":1*

*},*

*"discountRule": {*

*"startDate":1446410000000,*

*"endDate":1447619599000,*

*"discountRange": {*

*"discountPrice": {*

*"price": 9999*

*}*

*}*

*}*

*}*

*}***Response in case of success:**

*{*

*"requestId": "meo-201506121428270000000003",*

*"doneTime": 1434090509184,*

*"body": {"productId": 100000008000}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201505261609590000000001",*

*"doneTime": 1432627801674,*

*"error": {*

*"errCode": "6001011",*

*"errMsg": "save product should be no productSpecId"*

*}*

*}*

## Publish product

Client can publish product. The effective product will be display on app after publishing product. And the product status is active.

### Function Module

Portal

### HTTP URL

https://localhost:8443/meo/rest/product

### HTTP Method

Post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.publish**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00.7 |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductCommon | product | complex | Y | The product basic information |
| productSpec | complex | Y | The detail information of the product specification |
| productMappings | complex | Y | productMappings is arrayList,List<ProductMapping> |
| productPricePlan | complex | Y | The product price plan |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| product | productId | long | N | If modify the draft product, the product is mandatory. |
| productName | string | Y | The product name |
| description | string | Y | The product description |
| imgUrl | string | Y | The product image url |
| categoryId | int | Y | The product category |
| denominaiton | int | Y | Face value |
| denominaitonUnit | int | Y | The unit of face value |
| validDate | long | Y | The product valid date |
| expiredDate | long | Y | The product expired date |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productSpec | productSpecId | long | N | The product specification id |
| validationPeriod | int | Y | effective period of product |
| validationPeriodUnitId | int | N | The effective period unit [Time type](#_Time_type) |
| activationPeriod | int | Y | Activated period of product |
| activationPeriodUnitId | int | Y | The activated period unit [Time type](#_Time_type) |
| countryCode | int | N | The country code |
| provCode | int | N | Province code |
| prodCycleTypeId | int | Y | Product cycle type id [Cycle type](#_Product_cycle) |
| cityCode | int | N | City code |
| ip | string | N | The sponsored product ip |
| port | string | N | The sponsored product port |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productMapping | productMappingId | long | N | The product mapping id |
| mnoId | int | Y | Mno id ref [mno type](#_MNO_Type) |
| mnoProdId | long | Y | The product id of mno |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductPricePlan | pricePlanId | long | N | The price plan id, If modify the pricePlan, should input pricePlanId |
| price | complex | Y | The price information |
| discountRule | complex | N | The discount rule information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| price | priceId | long | N |  |
| price | long | Y | The price value |
| priceUnit | int | Y | The rice unit |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N |  |
| discountName | string | N | The discount name |
| discountRange | complex | Y | discount rule and order range relationship |
| startDate | long | Y | The start date of the discount price |
| endDate | long | y | The end date of the discount price |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N |  |
| price | complex | Y | The discount price,ref price complex entity |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | productId | long | Y | The product id |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.publish&accessToken=91e2aa2c4a03476d9ce5a085821cf60b&timestamp=1434090770633&format=json&v=1*

* **Request Body:**

*{*

*"product": {*

*"productId": 100000138001,*

*"productName": "productNamezhoujj222",*

*"description": "descriptionzhoujj222",*

*"imgUrl": "D:/Local/MyEclipse/zhoujj222",*

*"categoryId": 1,*

*"denomination": 1,*

*"denominationUnit":1,*

*"validDate": 1444410000000,*

*"expiredDate": 1445619599000*

*},*

*"productSpec": {*

*"productSpecId":100000125001,*

*"validationPeriod": 9,*

*"validationPeriodUnitId": 1,*

*"activationPeriod": 9,*

*"activationPeriodUnitId": 1,*

*"countryCode": 9,*

*"provCode": 9,*

*"prodCycleTypeId": 2,*

*"prodCycleType": "Recurring",*

*"cityCode": 9,*

*"ip": "192.168.0.0",*

*"port": "0000"*

*},*

*"productMappings": [*

*{*

*"mnoId": 66,*

*"mnoProdId": 66*

*},*

*{*

*"mnoId": 5,*

*"mnoProdId": 5*

*}*

*],*

*"productPricePlan": {*

*"pricePlanId":100000139001,*

*"productPrice": {*

*"priceId":100000031001,*

*"price": 8888,*

*"priceUnit": 1*

*},*

*"discountRule": {*

*"discountId":100000022001,*

*"startDate":1446410000000,*

*"endDate":1447619599000,*

*"discountRange": {*

*"disRangeId":100000001801,*

*"discountPrice": {*

*"priceId":100000032001,*

*"price": 9999,*

*"priceUnit": 1*

*}*

*}*

*}*

*}*

*}* **Response in case of success:**

*{*

*"requestId": "meo-201506121443340000000001",*

*"doneTime": 1434091417078,*

*"body": {"productId": 100000008000}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201505261612150000000002",*

*"doneTime": 1432627935732,*

*"error": {*

*"errCode": "6001012",*

*"errMsg": "directly publish product should be no priceId"*

*}*

*}*

## Modify Product Mappings

Client can modify the active product.

### Function Module

Portal

### Http URL

https://localhost:8443/meo/rest/product

### HTTP Method

post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.mappings.modify**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00.7 |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| prodMappings | productId | complex | Y | The product Id |
| productMappings | complex | Y | productMappings is arrayList,List<ProductMapping> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productMapping | mnoId | int | Y | Mno id ref [mno type](#_MNO_Type) |
| mnoProdId | long | Y | The product id of mno |

### Response

**Response to succeeded**

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

**Response to fail**

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

**Common error response**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.mappings.modify&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Request body:**

*{*

*"productId": 100000008000,*

*"productMappings": [*

*{*

*"mnoId": 1,*

*"mnoProdId": 1*

*},*

*{*

*"mnoId": 2,*

*"mnoProdId": 2*

*}*

*]*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201506161455490000000007",*

*"doneTime": 1434437750725*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201506161454450000000006",*

*"doneTime": 1434437686034,*

*"error": {*

*"errCode": "6001009",*

*"errMsg": "product id is null"*

*}*

*}*

## Get the product detail information by product id

Client can invoke interface to get the product detail information by product id.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.product.detail.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productId | long | Y | The product id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductCommon | product | complex | Y | The product basic information |
| productSpec | complex | N | The detail information of the product specification |
| productMappings | complex | N | productMappings is arrayList,List<ProductMapping> |
| ProductPricePlan | complex | Optional | The product price plan |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| product | productId | long | N | If modify the draft product, the product is mandatory. |
| productName | string | N | The product name |
| description | string | N | The product description |
| imgUrl | string | Y | The product image url |
| categoryId | int | Y | The product category |
| categoryName | string | Y | The cate gory name |
| denomination | int | N | The face value of product 2 |
| denominationUnit | int | N | The unit of face value [Denomination type](#_Denomination_type) |
| denominationUnitName | string | N | The unit name |
| validDate | long | Y | The product valid date |
| expiredDate | long | Y | The product expired date |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productSpec | productSpecId | long | N | The product specification id |
| validationPeriod | int | N | effective period of product |
| validationPeriodUnitId | int | N | The effective period unit [Time type](#_Time_type) |
| activationPeriod | int | N | Activated period of product |
| activationPeriodUnitId | int | Y | The activated period unit [Time type](#_Time_type) |
| countryCode | int | N | The country code |
| provCode | int | N | Province code |
| prodCycleTypeId | int | N | Product cycle type id [Cycle type](#_Product_cycle) |
| prodCycleType | string | N | Product cycle type id [Cycle type](#_Product_cycle) |
| cityCode | int | N | City code |
| ip | string | N | The sponsored product ip |
| port | stirng | N | The sponsored product port |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| productMapping | productMappingId | long | N | The product mapping id |
| mnoId | int | N | Mno id ref [mno type](#_MNO_Type) |
| mdnName | string | n | Mno name |
| mnoProdId | long | N | The product id of mno |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductPricePlan | pricePlanId | long | N | The price plan id, If modify the pricePlan, should input pricePlanId |
| price | complex | M | The price information |
| discountRule | complex | N | The discount rule information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| price | priceId | long | N |  |
| price | long | M | The price value |
| priceUnit | int | M | The rice unit |
| priceUnitName | string | M | The unit name |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N |  |
| discountName | string | Y | The discount name |
| discountRange | complex | Y | discount rule and order range relationship |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N |  |
| price | complex | Y | The discount price,ref price complex entity |
| rangeId | long | Y | The range id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProductMapping | productMappingId | long | Y | The product mapping id |
| productId | long | Y | The product id |
| mnoProdId | long | Y | The mno uct id |
| mnoId | int | Y | Mno id |
| mnoName | string | Y | Mno name [Mno type](#_MNO_Type) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | String | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.product.detail.get&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1&* *productId=* *100000137001*

* **Response in case of success:**

*{*

*"requestId": "meo-201510291728230000000001",*

*"doneTime": 1446114504466,*

*"body": {*

*"product": {*

*"productId": 100000153001,*

*"productName": "productNamezhoujj222",*

*"description": "descriptionzhoujj222",*

*"imgUrl": "D:/Local/MyEclipse/zhoujj222",*

*"categoryId": 1,*

*"denomination": 1,*

*"validDate": 1446397200000,*

*"expiredDate": 1447693199000*

*},*

*"productSpec": {*

*"productSpecId": 100000153001,*

*"validationPeriod": 9,*

*"validationPeriodUnitId": 1,*

*"countryCode": 9,*

*"provCode": 9,*

*"cityCode": 9,*

*"ip": "192.168.0.0",*

*"port": "0000"*

*},*

*"productMappings": [*

*{*

*"productMappingId": 100000144001,*

*"mnoId": 66,*

*"mnoProdId": 66*

*},*

*{*

*"productMappingId": 100000144002,*

*"mnoId": 5,*

*"mnoProdId": 5*

*}*

*],*

*"productPricePlan": {*

*"pricePlanId": 100000156001,*

*"productPrice": {*

*"priceId": 100000055001,*

*"price": 8888,*

*"priceUnit": 1,*

*"unit": "BAHT"*

*},*

*"discountRule": {*

*"discountId": 100000045001,*

*"discountRange": {*

*"disRangeId": 100000021001,*

*"discountPrice": {*

*"priceId": 100000055002,*

*"price": 9999,*

*"priceUnit": 1,*

*"unit": "%"*

*}*

*},*

*"startDate": 1446397200000,*

*"endDate": 1447693199000*

*}*

*}*

*}*

*}***Response in other cases:**

*{*

*"requestId": "meo-201506121102470000000028",*

*"doneTime": 1434078167199,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty productId"*

*}*

*}*

## Logout

The user (customer and partner etc.) can use this interface to logout MEO app.

### Function Module

Customer APP and portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/logout/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.passport.logout**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | string | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

https://localhost:8443/meo/rest/passport/logout?method=meo.passport.logout&accessToken=a524cbcfeac145e593b4fba689a0d410&timestamp=1435744355006&format=json&v=1

* **Response in case of success:**

{

"requestId": "meo-201507011752410000000004",

"doneTime": 1435744361954

}

* **Response in other cases:**

## Refresh token

Client can invoke interface to get the new access token when the current access token is expired..

### Function Module

Customer APP and partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/ passport/token

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.passport.token.refresh**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| refreshToken | string | Y | refreshToken |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | accessToken | string | Y | For Invoking API sequentially. |
| accessTokenExpired | long | Y | Expire time. The access token will be invalid after this time. After then, refresh or re-login is required.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| refreshToken | string | Y | Refresh token, it is used to invoke refresh API to retrieve new access token, refresh token without login again. |
| refreshTokenExpired | long | Y | The refresh token will expire after refresh token expired time.  The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| secretkey | string | Y | It is a key to encode information need to be exchanged between client and server. |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | string | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

https://localhost:8443/meo/rest/passport/token?method=meo.passport.token.refresh&accessToken=a524cbcfeac145e593b4fba689a0d410&timestamp=1435744215724&format=json&v=1

* **Response in case of success:**

{

"requestId": "meo-201507011750400000000002",

"doneTime": 1435744240961,

"body": {

"tokenId": 100000209000,

"accessToken": "7d273b18cbcf4092b2e27f327d4ad84f",

"refreshToken": "d129fece065c444cab262b1d40cd22be",

"accessTokenExpireTime": 1436349040719,

"refreshTokenExpireTime": 1436953840719,

"secretKey": "7ausqzzc",

"userId": 100000033001,

"createTime": 1435744240724

}

}

* **Response in other cases:**

{

"requestId": "meo-201507011751110000000003",

"doneTime": 1435744271495,

"error": {

"errCode": "9001001",

"errMsg": "null or empty refreshToken"

}

}

## Get product category

Client can invoke this interface to get the product category.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.define.category.product.get**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| productCateId | long | N | If the parameter is empty , the interface will return all product categorys |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<ProdCateDef> | complex | Y | The product category id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ProdCateDef | productCateId | long | Y | The product category id |
| productCategory | string | Y | The [product category](#_Product_category) name |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://119.46.160.70:8443/meo/rest/common/define?method=meo.define.category.product.get&accessToken=8eb05c2c314f4306a0b6a39f3be9f429&timestamp=1433491555073&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201506051505010000000025",*

*"doneTime": 1433491501578,*

*"body": [*

*{*

*"productCategory": "Vertical App",*

*"productCateId": 20*

*},*

*{*

*"productCategory": "Data Package",*

*"productCateId": 21*

*},*

*{*

*"productCategory": "Coin Package",*

*"productCateId": 22*

*},*

*{*

*"productCategory": "Free Download Package",*

*"productCateId": 23*

*},*

*{*

*"productCategory": "Wifi Package",*

*"productCateId": 24*

*}*

*]*

*}*

* **Response in other cases:**

## Get action list by action type

Client can invoke this interface to get actions list.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/common/define/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.action.reward.list***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| actionId | long | N | If the parameter is empty, the interface will return all reward actions. |
| actionTypeId | int | Y | [Action type](#_Action_type) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<ActionDefine> | complex | Y | The action define list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ActionDefine | actionName | string | Y | Action Name, example :grant coins |
| actionId | long | Y | Action id , example :101 |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.action.reward.list&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434078628891&format=json&v=1&actionType=1*

*http://localhost:8080/meo/rest/common/define?method=meo.action.reward.list&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434078714290&format=json&v=1&actionType=1&signature=aea5ee2169d568cadd3a98a6447ca8ab*

* **Response in case of success:**

*{*

*"requestId": "meo-201506121109450000000002",*

*"doneTime": 1434078585544,*

*"body": [*

*{*

*"actionName": "download",*

*"atcionId": 1001*

*},*

*{*

*"actionName": "active resource",*

*"atcionId": 1002*

*},*

*{*

*"actionName": "redeem product",*

*"atcionId": 1003*

*}*

*]*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201506121109160000000001",*

*"doneTime": 1434078557348,*

*"error": {*

*"errCode": "3001007",*

*"errMsg": "invalid action type"*

*}*

*}*

## Get total coin balance per day

Customer can get the total coin balance per day.

- Total earn coin summary per day (display previous 7 days)

### Function Module

Customer app

### HTTP URL

http[s]://localhost:{port}/meo/rest/customer/asset/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.asset.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose, for instance.

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | summaryCoins | List<SummaryCoins> | Y | Total earn coin summary per day |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| SummaryCoins | summaryDate | long | Y | The summary date |
| coins | int | Y | The amount of coins |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/customer/asset?method=meo.asset.list&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434078907356&format=json&v=1*

*http://localhost:8080/meo/rest/customer/asset?method=meo.asset.list&accessToken=e2a597fdcaa04f89b73416c148274672&timestamp=1434078974127&format=json&v=1&signature=a7ccf6c1a30c0c8bbc5bcc07d9bc6b54*

* **Response in case of success:**

*{*

*"requestId": "meo-201506121115140000000006",*

*"doneTime": 1434078914587,*

*"body": {*

*"totalCoins": 1,*

*"summaryCoins": [*

*{*

*"summaryDate": 1433433600000,*

*"coins": 0*

*},*

*{*

*"summaryDate": 1433520000000,*

*"coins": 0*

*},*

*{*

*"summaryDate": 1433606400000,*

*"coins": 0*

*},*

*{*

*"summaryDate": 1433692800000,*

*"coins": 3*

*},*

*{*

*"summaryDate": 1433779200000,*

*"coins": 0*

*},*

*{*

*"summaryDate": 1433865600000,*

*"coins": 0*

*},*

*{*

*"summaryDate": 1433952000000,*

*"coins": 0*

*}*

*]*

*}*

*}*

* **Response in other cases:**

## Execute campaign activity

This interface support execute all actions for campaign. For example finish download function, like share and so on.

### HTTP URL

http[s]://localhost:8443/meo/rest/activity

### HTTP Method

Post

### Function Module

Customer APP

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParamter | method | String | Mandatory | **meo.activity.campaign.execute.** API name provided by platform to implement a function. |
| format | String | Mandatory | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Mandatory | For security, return to client while login |
| timestamp | String | Mandatory | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Mandatory | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| campaignId | long | Mandatory | The campaign id |
| actionId | long | Mandatory | The action enum |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (**HTTP standard status – 200**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |

##### Response to fail

If login failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |
| error | complex | Mandatory | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

**Request URL**:

*https://localhost:8443/meo/rest/activity?method=meo.activity.campaign.execute&timestamp=1434630957434&format=json&v=1&accessToken=5d41c6dc4176447f9d98a0a65e31bd0b*

**Request Body**:

*{  
"campaignId":100000056000,  
"actionId":1001  
}*

**Response in case of success:**

*{  
   "requestId": "meo-201506182035570000000007",  
   "doneTime": 1434630958167  
}*

**Response in other cases:**

*{*

*"requestId": "meo-201506182055350000000006",*

*"doneTime": 1434632135549,*

*"error": {*

*"errCode": "5001007",*

*"errMsg": "campaign is not found,campaign id is 100,000,056,001,110"*

*}*

*}*

## Join campaign

Customer join campaign will invoke this interface.

### HTTP URL

http[s]://localhost:8443/meo/rest/activity

### HTTP Method

Get

### Function Module

Customer APP

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParamter | method | String | Mandatory | **meo.activity.campaign.join.** API name provided by platform to implement a function. |
| format | String | Mandatory | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Mandatory | For security, return to client while login |
| timestamp | String | Mandatory | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Mandatory | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| campaignId | long | Mandatory | The campaign id |
| actionId | String | Mandatory | Action Id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (**HTTP standard status – 200**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |

##### Response to fail

If login failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |
| error | complex | Mandatory | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/activity?method=meo.activity.campaign.join&timestamp=1434630412475&format=json&v=1&accessToken=5d41c6dc4176447f9d98a0a65e31bd0b&campaignId=100000054000&actionId=1001*

**Request body**

**Response in case of success:**

*{*

*"requestId": "meo-201506182026520000000001",*

*"doneTime": 1434630413772*

*}*

**Response in other cases:**

*{  
   "requestId": "meo-201506182056120000000007",  
   "doneTime": 1434632172681,  
   "error":    {  
      "errCode": "5001007",  
      "errMsg": "campaign is not found,campaign id is 12,121,212"  
   }  
}*

## Redeem meo product

Customer can redeem the product of MEO platform, and the product include data package. After customer redeems meo product, we called the product be resource.

### HTTP URL

http[s]://localhost:8443/meo/rest/activity

### HTTP Method

Get

### Function Module

Customer APP

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParamter | method | String | Mandatory | **meo.activity.product.redeem.** API name provided by platform to implement a function. |
| format | String | Mandatory | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Mandatory | For security, return to client while login |
| timestamp | String | Mandatory | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Mandatory | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| campaignId | long | Mandatory | The campaign id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (**HTTP standard status – 200**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |

##### Response to fail

If login failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |
| error | complex | Mandatory | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

**Request** **URL**:

*https://localhost:8443/meo/rest/activity?method=meo.activity.product.redeem&timestamp=1434630692241&format=json&v=1&accessToken=5d41c6dc4176447f9d98a0a65e31bd0b&productId=100000009000*

**Request Body:**

**Response in case of success:**

*{  
   "requestId": "meo-201506182031320000000004",  
   "doneTime": 1434630692893  
}*

**Response in other cases:**

*{  
   "requestId": "meo-201506182052410000000001",  
   "doneTime": 1434631962161,  
   "error":    {  
      "errCode": "4001003",  
      "errMsg": "the customer balance is not enough."  
   }  
}*

## Activate customer resource

After customer redeems the product, customer can activate the resource. This interface will invoke the MNO api.

### HTTP URL

http[s]://localhost:8443/meo/rest/activity

### HTTP Method

Get

### Function Module

Customer APP

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParamter | method | String | Mandatory | **meo.activity.resource.active.** API name provided by platform to implement a function. |
| format | String | Mandatory | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Mandatory | For security, return to client while login |
| timestamp | String | Mandatory | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Mandatory | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| resourceId | long | Mandatory | The resource id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (**HTTP standard status – 200**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |

##### Response to fail

If login failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| requestId | String | Mandatory | The unique identifier to a request |
| doneTime | long | Mandatory | The done time |
| error | complex | Mandatory | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/activity?method=meo.activity.resource.active&timestamp=1434630832507&format=json&v=1&accessToken=5d41c6dc4176447f9d98a0a65e31bd0b&resourceId=100000005000*

**Request Body**:

**Response in case of success:**

*{  
   "requestId": "meo-201506182033520000000006",  
   "doneTime": 1434630832806  
}*

**Response in other cases:**

*{  
   "requestId": "meo-201506182053400000000002",  
   "doneTime": 1434632020349,  
   "error":    {  
      "errCode": "4001005",  
      "errMsg": "the resource can not be activated."  
   }  
}*

## Get the resource list by customer id

Client can invoke interface to get the customer’s resources by customer id.

### HTTP URL

http[s]://localhost:8443/meo/rest/customer/resource

### HTTP Method

Get

### Function Module

Customer app

### Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParameter | complex | Mandatory | Please see system parameter description |

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParameter | method | String | Mandatory | **meo.resource.get**. API name provided by platform to implement a function. |
| format | String | Mandatory | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Mandatory | For security, return to client while login |
| timestamp | String | Mandatory | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Mandatory | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | Optional | Page size |
| pageNo | int | Optional | Page number |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (**HTTP standard status – 200**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| doneTime | long | Mandatory | The done time |
| requestId | String | Mandatory | The unique identifier to a request |
| body | complex | Mandatory | The response body |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| body | List<Resource> | complex | Mandatory | The resource basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| Resource | resourceId | long | Mandatory | The resource id |
| resourceName | string | Mandatory | It is same with product name |
| resourceStsId | int | Mandatory | The resource status id |
| resourceSts | string | Mandatory | The resource status |
| description | string | Mandatory | It is same with product description |
| cycelBeginDate | long | Mandatory | If redeem product, then the field means that the active resource period.  If active resource, then the field means that the resource period |
| cycleEndDate | long | Mandatory | Ref the ablove |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| doneTime | long | Mandatory | The common response information |
| requestId | String | Mandatory | The error response information |
| error | complex | Mandatory | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/ Optional** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/customer/resource?method=meo.resource.get&accessToken=33a7b233893f4b23b8b1e430d97e679d&timestamp=1434629772690&format=json&v=1*

**Request Body:**

**Response in case of success:**

*{  
   "requestId": "meo-201506182023500000000003",  
   "doneTime": 1434630230560,  
   "body":    [  
            {  
         "resourceId": 100000004000,  
         "resourceName": "productName1",  
         "resourceStsId": 2,  
         "resourceSts": "ACTIVE",  
         "cycleBeginDate": 1434556800000,  
         "cycleEndDate": 1434556800000,  
         "description": "description1"  
      },  
            {  
         "resourceId": 100000005000,  
         "resourceName": "productName1",  
         "resourceStsId": 1,  
         "resourceSts": "REDEEM",  
         "cycleBeginDate": 1434556801000,  
         "cycleEndDate": 1434556801000,  
         "description": "description1"  
      }  
   ]  
}*

**Response in other cases:**

## Get the contract by contract id

Client can invoke interface to get the contract’s resources by contract id.

### HTTP URL

http[s]://localhost:8443/meo/rest/customer/partner/contract

### HTTP Method

Get

### Function Module

Partner portal

### Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParameter | complex | Mandatory | Please see system parameter description |

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| publicParameter | method | String | Mandatory | ***meo.contract.get***. API name provided by platform to implement a function. |
| format | String | Mandatory | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Mandatory | For security, return to client while login |
| timestamp | String | Mandatory | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Mandatory | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| contractId | long | Optional | Contract Id |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (**HTTP standard status – 200**)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| doneTime | long | Mandatory | The done time |
| requestId | String | Mandatory | The unique identifier to a request |
| body | complex | Mandatory | The response body |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| body | contract | complex | Mandatory | The resource basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Contract | partnerId | long | Y | The Partner id |
| contractId | long | Y | Contract id |
| contractName | string | Y | Contract name |
| templeteId | long | Y | The template id |
| contractNo | long | Y | The contract number |
| buyers | string | Y | The Buyer |
| sellers | string | Y | The seller |
| signedPlace | string | Y | The place sign the contract |
| signedDate | long | Y | The sign date |
| contractUrl | string | Y | The url of contract upload |
| statusCode | int | Y | The status code of contract |
| statusName | string | Y | The status name of contract |
| validate | long | Y | The valid date.format :yyyy-MM-dd |
| expiredDate | long | Y | The expired date. format :yyyy-MM-dd |
| saleId | long | Y | The sale id |
| operatorId | long | Y | The operator id |
| contractPrices | List< ContractPrice > | Y | The contract price list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ContractPrice | priceId | long | Y | The price id |
| price | long | Y | The price value |
| priceUnitId | int | Y | The price value unit id |
| priceUnit | string | Y | The [price value](#_Currency_type) unit |
| priceType | int | Y | Price type( 1.coins price 2.data package price) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Key** | **Type** | **Mandatory/Optional** | **Description** |
| doneTime | long | Mandatory | The common response information |
| requestId | String | Mandatory | The error response information |
| error | complex | Mandatory | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Parameter Key** | **Type** | **Mandatory/ Optional** | **Description** |
| error | errCode | String | Mandatory | Pre-defined business error code |
| errMsg | String | Mandatory | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/partner/contract?method=meo.contract.get&accessToken=d98f6b297a714201bfb48f8e5e4ad9fd&timestamp=1435657585403&format=json&v=1&contractId=100011001*

**Request Body:**

**Response in case of success:**

*{*

*"requestId": "meo-201506301749040000000003",*

*"doneTime": 1435657744293,*

*"body": {*

*"partnerId": 100000033000,*

*"contractId": 100011001,*

*"contractName": "safdsadf",*

*"templeteId": 1,*

*"contractNo": "11111",*

*"buyers": "1",*

*"sellers": "1",*

*"signedPlace": "1",*

*"signedDate": 1430258583000,*

*"contractUrl": "111",*

*"statusCode": 1,*

*"statusName": "ACTIVE",*

*"validate": 1430236800000,*

*"expiredDate": 1430323199000,*

*"saleId": 100000033000,*

*"operatorId": 100011001,*

*"contractPrices": [*

*{*

*"priceId": 11,*

*"price": 40,*

*"priceUnitId": 2,*

*"priceUnit": "USD",*

*"priceType": 2*

*},*

*{*

*"priceId": 12,*

*"price": 30,*

*"priceUnitId": 1,*

*"priceUnit": "BAHT",*

*"priceType": 1*

*}*

*]*

*}*

*}*

**Response in other cases:**

## Get action param list by action id

Client can invoke this interface to get actions param list.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/common/define/

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.action.param.get***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| actionId | String | Y | [Action enum](#_Action_enum) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<ActionParam> | complex | Y | The action define list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| ActionParam | paramName | string | Y | Param Name, example :grant coins |
| paramId | long | Y | Param id , example :1000 |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.action.param.get&accessToken=a524cbcfeac145e593b4fba689a0d410&timestamp=1435730556434&format=json&v=1&actionId=2001*

* **Response in case of success:**
* *{*
* *"requestId": "meo-201507011408270000000001",*
* *"doneTime": 1435730909033,*
* *"body": [ {*
* *"paramId": 1000,*
* *"paramName": "coin amount"*
* *}]*
* *}***Response in other cases:**

*{*

*"requestId": "meo-201507011415070000000002",*

*"doneTime": 1435731307363,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty actionId"*

*}*

*}*

## Get campaign property list by campaign type

Client can invoke this interface to get campaign property list.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.campaign.porperty.get.*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignType | int | Y | [Campaign Type](#_Get_campaign_property) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below Complex Entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<campaignProperty> | complex | Y | The campaign property list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignProperty | propertyKey | long | Y | Property Key |
| propertyCode | string | Y | Property Code |
| propertyName | string | Y | Property Name |
| campaignType | string | Y | [Campaign Type](#_Account_Status) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/campaign?method=meo.campaign.porperty.get&accessToken=cecc27700d71422593bb5c73d66cf28a&timestamp=1435904303833&format=json&v=1*

**Response in case of success:**

*{*

*"requestId": "meo-201508181458000000000006",*

*"doneTime": 1439881080453,*

*"body": [*

*{*

*"propertyKey": 1001,*

*"propertyCode": "appCategory",*

*"propertyName": "app category",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 0*

*},*

*{*

*"propertyKey": 1002,*

*"propertyCode": "appName",*

*"propertyName": "app name",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 0*

*},*

*{*

*"propertyKey": 1003,*

*"propertyCode": "appDescription",*

*"propertyName": "app description",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 1*

*},*

*{*

*"propertyKey": 1004,*

*"propertyCode": "appURL",*

*"propertyName": "app url",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 1*

*},*

*{*

*"propertyKey": 1005,*

*"propertyCode": "appPackName",*

*"propertyName": "app package name",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 1*

*},*

*{*

*"propertyKey": 1006,*

*"propertyCode": "appIcon",*

*"propertyName": "app icon",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 1*

*},*

*{*

*"propertyKey": 100000002002,*

*"propertyCode": "appSize",*

*"propertyName": "appSize",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 1*

*},*

*{*

*"propertyKey": 100000004001,*

*"propertyCode": "propertyCode1",*

*"propertyName": "propertyName1",*

*"campaignType": "App Downloading to earn coin",*

*"mandatory": 1*

*}*

*]*

*}***Response in other cases:**

*{*

*"requestId": "meo-201507031437120000000003",*

*"doneTime": 1435905432377,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty campaignType"*

*}*

*}*

## Create campaign property define

Client can invoke this interface to add campaign property define.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/campaign

### HTTP Method

Post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.campaign.porperty.define.create.*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignPropertyDefine | Complex | Y | Campaign Property Define bean |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Complex | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignPropertyDefine | campaignTypeId | int | Y | [Campaign Type](#_Get_campaign_property) |
| propertyCode | string | Y | The property code |
| propertyName | string | Y | The property name |
| mandatory | int | N | If mandatory filed is null,system default mandatory(0 means mandatory,1 means not mandatory) |
| propertyValueType | int | Y | Property value type ref [field type](#_Property_value_type) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/campaign?method=meo.campaign.porperty.define.create&accessToken=2e5ae94a7285468b9b819e1b5c8491af&timestamp=1435935057214&format=json&v=1*

**Request BODY:**

*[*

*{*

*"propertyCode": "propertyCode1",*

*"propertyName": "propertyName1",*

*"mandatory": 1,*

*"campaignTypeId": 1,*

*"propertyValueType": 1*

*},*

*{*

*"propertyCode": "propertyCode2",*

*"propertyName": "propertyCode2",*

*"mandatory": 2,*

*"campaignTypeId": 2,*

*"propertyValueType": 2*

*}*

*]***Response in case of success:**

*{*

*"requestId": "meo-201507032314550000000009",*

*"doneTime": 1435936496331*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507032300380000000008",*

*"doneTime": 1435935639004,*

*"error": {*

*"errCode": "5011077",*

*"errMsg": "the propertyCode appSize already exist"*

*}*

*}*

## Get customer redeemable product

Client can invoke interface to get the product list and display the product on APP. The product use for customer redeem product.

### Function Module

Customer APP

### HTTP URL

http[s]://localhost:{port}/meo/rest/customer

### HTTP Method

Get

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.app.product.get***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | Page size |
| pageNo | int | N | Page number |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The done time |
| requestId | string | Y | The unique identifier to a request |
| body | complex | Y | The list of campaign basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | List<Product> | complex | Y | The product basic information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Product | productId | long | Y | The product id |
| productCategoryId | int | Y | The product category id [Product category](#_Product_category) |
| productName | string | Y | The product name |
| productDescription | string | Y | The product description |
| denomination | int | Y | The face value of product |
| denominationUnitId | int | Y | The face value unit.  Denomination type |
| denominationUnit | string | Y | The denomination unit |
| productStsId | int | Y | The product status id [Product status](#_Product_status) |
| productSts | string | Y | The product status [Product status](#_Product_status) |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| doneTime | long | Y | The common response information |
| requestId | string | Y | The error response information |
| error | complex | Y | Pre-defined business error message to error code |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

https://localhost:8443/meo/rest/customer?method=meo.app.product.get&accessToken=59f7b7dc51b24da89e5e7af3b0a8dc77&timestamp=1436250295974&format=json&v=1

* **Response in case of success:**

{

"requestId": "meo-201507071424230000000004",

"doneTime": 1436250264828,

"body": [

{

"productId": 100000008000,

"productName": "productName2 publish",

"productDescription": "description2 publish",

"denomination": 3,

"denominationUnitId": 3,

"denominationUnit": "Hour",

"productStsId": 2,

"productSts": "active"

},

{

"productId": 100000009000,

"productName": "productName1",

"productDescription": "description1",

"denomination": 1,

"denominationUnitId": 1,

"denominationUnit": "MB",

"productStsId": 2,

"productSts": "active"

},

{

"productId": 100000010000,

"productName": "productName2",

"productDescription": "description2",

"denomination": 1,

"denominationUnitId": 1,

"denominationUnit": "MB",

"productStsId": 2,

"productSts": "active"

},

{

"productId": 100000011000,

"productName": "productName\_1",

"productDescription": "description\_1",

"denomination": 3,

"denominationUnitId": 3,

"denominationUnit": "Hour",

"productStsId": 2,

"productSts": "active"

}

]

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507071419140000000003",*

*"doneTime": 1436249956330,*

*"error": {*

*"errCode": "2001004",*

*"errMsg": "The customer has not binded the mobile number"*

*}*

*}*

## List Enum Code

The enum unit, get enum list by enum type

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.enum.list***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| enumCode | string | N |  |
| enumType | string | Y | [Enum Type](#_Enum_type) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< EnumDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| EnumDefine | EnumCode | long | Y | Enum Code, example:1 |
| EnumName | string | Y | The Enum Name , example: App Downloading to earn coin |
| EnumId | long | Y | Enum Id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

https://localhost:8443/meo/rest/common/define?method=meo.enum.list&accessToken=59f7b7dc51b24da89e5e7af3b0a8dc77&timestamp=1436328007543&format=json&v=1&enumType=5&enumCode=1

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201508201424010000000008",*

*"doneTime": 1440051842043,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"enumId": 13,*

*"enumCode": "1",*

*"enumName": "App Downloading to earn coin"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}***Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201507081646220000000014",*

*"doneTime": 1436345182986,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty enumType"*

*}*

*}*

## Save Enum Group Definition

Save Enum group define

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.enum.group.save*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| groupCode | string | N | The group code |
| groupName | string | Y | The group name |
| groupType | int | Y | The group type |
| enumId | long | Y | Enum Id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

https://localhost:8443/meo/rest/common/define?method=meo.enum.list&accessToken=4790c04de02f49fd9f24cc47b2514703&timestamp=1436345044816&format=json&v=1

*{*

*"groupCode":"2",*

*"groupName":"campaign2",*

*"groupType":2,*

*"enumId":2*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201507081643210000000009",*

*"doneTime": 1436345003915*

*}*

**Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201507081652120000000015",*

*"doneTime": 1436345532640,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty enumId"*

*}*

*}*

## Save product category definition

Save product category definition

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.product.category.save*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| name | string | Y | The product category name |
| categoryId | Long | Y | The product category id |
| description | string | N | The product category description |
| parentCateId | long | N | The product category parent id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.product.category.save&accessToken=1d8dcdb1c9884a57b20f97022c6cde3b&timestamp=1436415697492&format=json&v=1*

*{*

*"name":"product name",*

*"categoryId":"44"*

*}*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201507091214230000000001",*

*"doneTime": 1436415266148*

*}***Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201507081652120000000015",*

*"doneTime": 1436345532640,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty categoryId "*

*}*

*}*

## Create contract template information

Admin con configure the contract template in system, sale can download contract template and send partner to sign.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/contract/template

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.template.contract.create**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| template | templateName | string | Y | The template name |
| templateDesc | string | N | The template description |
| templateUrl | string | Y | The template file url |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | templateId | int | Y | The template id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/contract/template?method=meo.template.contract.create&accessToken=9577ee95af884b6f81f0b1045aef066b&timestamp=1436426489940&format=json&v=1*

**Request Body:**

*{*

*"templateName": "contract templateName test3",*

*"templateDesc": "the template description3",*

*"templateUrl": "template url3"*

*}*

**Response in case of success:**

*{*

*"requestId": "meo-201507091521590000000006",*

*"doneTime": 1436426519773,*

*"body": {*

*"templateId": 100000001004*

*}*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507091526300000000010",*

*"doneTime": 1436426790239,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## List contract template

Admin can get all contract template.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/contract/template

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.template.contract.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageNo | Integer | N | Page number to render a contract template (default value is 1) |
| pageSize | Integer | N | Page’s size to render a contract template (default value is 10) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | List<template> | complex | Y | The template id |
| body | PageInfo | complex | N | Contract template page Info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| template | templateId | long | Y | The template id |
| templateName | string | Y | The template name |
| templateDesc | string | N | The template description |
| templateUrl | string | Y | The template file url |
| modifyDate | long | N | The template update date |
| createDate | long | Y | The template create date |
| pageInfo | pageSize | Int | Y | Maximum size of the page per request |
|  | Currentpage | Int | Y | The current page |
|  | template | complex | Y | Contract template list |
|  | totalSize | int | Y | The total record of all contract template list |
|  | pageNum | Int | Y | The total page of all contract template list |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/contract/template?method=meo.template.contract.list&accessToken=9577ee95af884b6f81f0b1045aef066b&timestamp=1436426209944&format=json&v=1*

**Request Body:**

**Response in case of success:**

*{*

*"requestId": "meo-201508241156410000000011",*

*"doneTime": 1440392201548,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [*

*{*

*"templateId": 100000001001,*

*"templateName": "contract templateName test4",*

*"templateDesc": "the template description4",*

*"templateUrl": "template ur4",*

*"createDate": 1436429577000*

*},*

*{*

*"templateId": 100000001002,*

*"templateName": "contract templateName test5",*

*"templateDesc": "the template description5",*

*"templateUrl": "template ur5",*

*"createDate": 1436429587000*

*},*

*{*

*"templateId": 100000002000,*

*"templateName": "mojito ctemplate01",*

*"templateDesc": "mojito ctemplate des 01",*

*"templateUrl": "mojito template url 01",*

*"createDate": 1436757459000*

*},*

*{*

*"templateId": 100000002001,*

*"templateName": "mojito ctemplate02",*

*"templateDesc": "mojito ctemplate desc 02",*

*"templateUrl": "/meo/rest/public/file/uploaded/2ea69b240f794fb693df05ce8a2da215.xlsx",*

*"createDate": 1436770936000*

*},*

*{*

*"templateId": 100000002002,*

*"templateName": "mojito ctemplate03",*

*"templateDesc": "mojito ctemplate desc 03",*

*"templateUrl": "/meo/rest/public/file/uploaded/017bb19718ca44b7a7b057d9e4529b1e.xlsx",*

*"createDate": 1436774487000*

*}*

*],*

*"totalSize": 9,*

*"pageNum": 2*

*}*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507091526300000000010",*

*"doneTime": 1436426790239,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## Get contract template by template id

User can get contract template information by template id

### Function Module

Get

### HTTP URL

http[s]://localhost:{port}/meo/rest/contract/template

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.template.contract.get**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | templateId | long | Y | The template id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | template | complex | Y | The template information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| template | templateId | int | Y | The template id |
| templateName | string | Y | The template name |
| templateDesc | string | N | The template description |
| templateUrl | string | Y | The template file url |
| modifyDate | long | Y | The template update date |
| createDate | long | Y | The template create date |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/contract/template?method=meo.template.contract.get&accessToken=9577ee95af884b6f81f0b1045aef066b&timestamp=1436426209944&format=json&v=1&templateId=100000001001*

**Request Body:**

**Response in case of success:**

*{*

*"requestId": "meo-201507091525050000000007",*

*"doneTime": 1436426705541,*

*"body": {*

*"templateId": 100000001001,*

*"templateName": "contract templateName test",*

*"templateDesc": "the template description",*

*"templateUrl": "template url",*

*"createDate": 1436425990000*

*}*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507091526300000000010",*

*"doneTime": 1436426790239,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## List campaign by group code and category id list

Display the campaign in app UI, so need query campaign by category id list and campaign group

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/campaign

### HTTP Method

post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.campaign.list**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignGroupCondition | groupCode | string | Y | The campaign group id |
| categoryList | complex | N | categoryList is arrayList,List<categoryId> ,the categoryId type is int |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| categoryId | int | Y | The category id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| Body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| Body | campaignGroup | complex | Y | The campaign group information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignGroup | groupCode | string | Y | The campaign group code |
| campaignCategories | complex | Y | campaignCategories is arrayList,List<campaignCategory> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignCategory | categoryId | int | Y | The category id |
| campaigns | complex | Y | Campaigns is arrayList,List<campaign> ,The campaign information list |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campagin | campaignId | long | Y | The campaign id |
| campaignName | string | Y | The campaign name |
| iconUrl | string | Y | The campaign icon url |
| categoryName | string | N | the category name |
| totalCoins | int | N | complete the campaign activities all the tasks you get the rewards |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| Error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/campaign?method=meo.campaign.list&timestamp=1436495904155&format=json&v=1&accessToken=9577ee95af884b6f81f0b1045aef066b&pageSize=10&pageNo=1*

* **Request Body:**

*{*

*"groupCode": "1",*

*"categoryList": [*

*1,*

*2*

*]*

*}*

* **Response in case of success**

*{*

*"requestId": "meo-201508181609550000000005",*

*"doneTime": 1439885396646,*

*"body": {*

*"groupCode": "1",*

*"campaignCategories": [*

*{*

*"categoryId": 1,*

*"campaigns": [*

*{*

*"campaignId": 100000026002,*

*"campaignName": "campaign activity2",*

*"iconUrl": "C:/Users/yong/Desktop"*

*},*

*{*

*"campaignId": 100000054000,*

*"campaignName": "download app",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000055000,*

*"campaignName": "download app2",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000056000,*

*"campaignName": "download app3",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000058000,*

*"campaignName": "download app\_1",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000060001,*

*"campaignName": "campaign test publish",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000061000,*

*"campaignName": "campaign downloadApp",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000061001,*

*"campaignName": "campaign downloadApp2",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000062000,*

*"campaignName": "campaign downloadApp2",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000062001,*

*"campaignName": "campaign downloadApp2",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000062002,*

*"campaignName": "campaign downloadApp2",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000063000,*

*"campaignName": "campaign downloadApp5",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000063001,*

*"campaignName": "campaign downloadApp6",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000064000,*

*"campaignName": "campaign downloadApp666",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000065000,*

*"campaignName": "campaign downloadApp777",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000065001,*

*"campaignName": "campaign downloadApp888",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000065002,*

*"campaignName": "campaign downloadApp999",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000065003,*

*"campaignName": "campaign downloadApp1010",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066000,*

*"campaignName": "campaign downloadApp1111",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066001,*

*"campaignName": "campaign downloadApp1212",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066002,*

*"campaignName": "campaign downloadApp1313",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066003,*

*"campaignName": "campaign downloadApp1414",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066004,*

*"campaignName": "campaign downloadApp1515",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066005,*

*"campaignName": "campaign downloadApp1616",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000066006,*

*"campaignName": "campaign downloadApp1717",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000067000,*

*"campaignName": "campaign downloadApp1818",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000067001,*

*"campaignName": "campaign downloadApp1919",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*},*

*{*

*"campaignId": 100000067002,*

*"campaignName": "campaign downloadApp2020",*

*"iconUrl": "C:/Users/yong/Desktop"*

*},*

*{*

*"campaignId": 100000068001,*

*"campaignName": "campaign downloadApp777",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"totalCoins": 100*

*}*

*]*

*},*

*{*

*"categoryId": 2,*

*"campaigns": []*

*}*

*]*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507101042560000000004",*

*"doneTime": 1436496177771,*

*"error": {*

*"errCode": "3001011",*

*"errMsg": "sysEnumGroupDef not found by groupCode,groupCode is 2"*

*}*

*}*

## Modify contract template information

Admin can modify the contract template information in system.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/contract/template

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.template.contract.modify**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| template | templateId | long | Y | The template id |
| templateName | string | Y | The template name |
| templateDesc | string | N | The template description |
| templateUrl | string | Y | The template file url |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | templateId | int | Y | The template id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/contract/template* *?method=meo.template.contract.modify&accessToken=3b5a00548c7b4697a97d30c1d1fe584f&timestamp=1436932340709&format=json&v=1*

**Request Body:**

*{*

*"templateId": "100000004000",*

*"templateName": "contract template name #101",*

*"templateDesc": "template description #101",*

*"templateUrl": "template URL #101"*

*}*

**Response in case of success:**

*{*

*"requestId": "meo-201507151052200000000001",*

*"doneTime": 1436932341250,*

*"body": {"templateId": 100000004000}*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507151113190000000003",*

*"doneTime": 1436933599796,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Delete contract template by template id

Admin can delete contract template information by template id

### Function Module

Get

### HTTP URL

http[s]://localhost:{port}/meo/rest/contract/template

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.template.contract.delete**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | templateId | long | Y | The template id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/contract/template?method=meo.template.contract.delete&accessToken=9577ee95af884b6f81f0b1045aef066b&timestamp=1436426209944&format=json&v=1&templateId=* *100000004000*

**Request Body:**

*N/A*

**Response in case of success:**

*{*

*"requestId": "meo-201507161439580000000002",*

*"doneTime": 1437032398224*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201507161501170000000002",*

*"doneTime": 1437033677125,*

*"error": {*

*"errCode": "3001014",*

*"errMsg": "sysFileTemplate not found by templateId,templateId was 100,000,004,001"*

*}*

*}*

## Add role information

The interface support add role’s information in system.

### Function Module

Portal

### HTTP URL

http[s]://localhost: 8443/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.role.add**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| role | roleName | string | Y | The role name |
| effectDate | long | Y | The effect date |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | roleId | long | Y | The role id, generate by system. |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.role.add&format=json&timestamp=1437533154373&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698*

* **Request Body:**

*{*

*"roleName": "role1",*

*"effectDate": 1437533154375*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201507221046370000000001",*

*"doneTime": 1437533198595,*

*"body": {"roleId": 100000002000}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221053440000000004",*

*"doneTime": 1437533624551,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty roleName"*

*}*

*}*

## Modify role information

The interface support modify role’s information in system.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.role.modify**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| role | roleId | long | Y | The role id |
| roleName | string | Y | The role name |
| effectDate | long | Y | The effect date |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | roleId | long | Y | The role id, generate by system. |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.role.modify&format=json&timestamp=1437533370766&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698*

* **Request Body:**

*{*

*"roleId": 100000002000,*

*"roleName": "role1",*

*"effectDate": 1437533370767*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201507221049590000000002",*

*"doneTime": 1437533399329,*

*"body": {"roleId": 100000002000}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221051030000000004",*

*"doneTime": 1437533463863,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty roleId"*

*}*

*}*

## Delete role information role id

The interface support delete role’s information by role id, this interface only change the record’s STS, the STS will be change to invalid.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.role.delete.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| roleId | long | Y | The role id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.role.delete&format=json&timestamp=1437533989148&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698&roleId=100000003001*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221100340000000001",*

*"doneTime": 1437534034463*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221101290000000002",*

*"doneTime": 1437534089258,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty roleId"*

*}*

*}*

## Get role information list

The interface support get role’s information list.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.role.list.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageNo | Integer | N | Page number to render a role information (default value is 1) |
| pageSize | Integer | N | Page’s size to render role information (default value is 10) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | List<Role> | complex | Y | The list of role’s information |
| body | PageInfo | Complex | N | The list of role’s information page info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Role | roleId | long | Y | The role id |
| roleName | string | Y | The role’s name |
| effectDate | long | Y | The effect date |
| pageInfo | pageSize | Int | Y | Maximum size of the page per request |
| Currentpage | Int | Y | The current page |
| Role | complex | Y | The role’s information list |
| totalSize | int | Y | The total record of all role’s information list |
| pageNum | Int | Y | The total page of all role’s information list |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.role.list&format=json&timestamp=1437534443366&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201508241134360000000009",*

*"doneTime": 1440390876224,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [*

*{*

*"roleId": 100000001000,*

*"roleName": "Role1",*

*"effectDate": 1437498000000*

*},*

*{*

*"roleId": 100000001001,*

*"roleName": "role2222",*

*"effectDate": 1438362000000*

*},*

*{*

*"roleId": 100000001002,*

*"roleName": "role3",*

*"effectDate": 1437636894000*

*},*

*{*

*"roleId": 100000001003,*

*"roleName": "role4",*

*"effectDate": 1437636894000*

*},*

*{*

*"roleId": 100000001005,*

*"roleName": "role6",*

*"effectDate": 1437636894000*

*}*

*],*

*"totalSize": 18,*

*"pageNum": 4*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221109530000000018",*

*"doneTime": 1437534593927,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## Get role privilege list

When admin modifies the role’s privileges, client should get all role’s privileges firstly, then begin to modify the role’s privileges.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.privilege.role.get.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageNo | Integer | N | Page number to render a role information (default value is 1) |
| pageSize | Integer | N | Page’s size to render role information (default value is 10) |
| roleId | Long | N | The returned role information is filtered by roleId. |
| roleName | String | N | The returned role information is filtered by roleName. |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | List<RolePrivilege> | complex | Y | The list of role’s privilege information |
| body | PageInfo | complex | Y | The role’s privilege information page info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| RolePrivilege | role | Role | Y | The role complex entity |
| menuPrivileges | List<MenuPrivilege> | Y |  |
| pageInfo | pageSize | Int | Y | Maximum size of the page per request |
| Currentpage | Int | Y | The current page |
| RolePrivilege | complex | Y | The role’s privilege information |
| totalSize | int | Y | The total record of all role’s privilege information |
| pageNum | Int | Y | The total page of all role’s privilege information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Role | roleId | long | Y | The role id |
| roleName | string | Y | The role’s name |
| effectDate | long | Y | The effect date |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| MenuPrivilege | menu | Menu | Y | The menu entity |
| operPrivileges | List<OperPrivilege> | Y | The operated privileges |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Menu | menuId | long | Y | The menu id |
| menuName | string | Y | The menu’s name |
| parentMenuId | long | Y | The parent menu id |
| systemId | long | Y | The system id |
| moduleId | long | Y | The model id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| operPrivileges | privilegeId | long | Y | The privilege id |
| operId | long | Y | The operated id |
| operName | string | Y | The operated name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.privilege.role.get&format=json&timestamp=1437556704872&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201508241111440000000008",*

*"doneTime": 1440389504266,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [ {*

*"role": {*

*"roleId": 100000001000,*

*"roleName": "Role1"*

*},*

*"menuPriveliges": [*

*{*

*"menu": {*

*"menuId": 100000001001,*

*"menuName": "menuName2",*

*"systemId": 900,*

*"moduleId": 90005*

*},*

*"operPrivileges": [*

*{*

*"privilegeId": 100000001002,*

*"operId": 100000001000,*

*"operName": "delete"*

*},*

*{*

*"privilegeId": 100000001003,*

*"operId": 100000001001,*

*"operName": "update"*

*}*

*]*

*},*

*{*

*"menu": {*

*"menuId": 100000001000,*

*"menuName": "aaa",*

*"parentMenuId": 0,*

*"systemId": 900,*

*"moduleId": 90005*

*},*

*"operPrivileges": [*

*{*

*"privilegeId": 100000001000,*

*"operId": 100000001000,*

*"operName": "delete"*

*},*

*{*

*"privilegeId": 100000001001,*

*"operId": 100000001003,*

*"operName": "INSERT"*

*}*

*]*

*}*

*]*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221723030000000004",*

*"doneTime": 1437556983498,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## Get system user privilege by user id

When portal load the menus, client should get the user’s privilege by user id.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.privilege.user.get.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | List<UserPrivilege> | complex | Y | The list of role’s privilege information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| UserPrivilege | userName | string | Y | The role complex entity |
| roleNames | List<roleName> | Y | the roleName type is string |
| menuPrivileges | List<MenuPrivilege> | Y | List<MenuPrivilege> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| MenuPrivilege | menu | Menu | Y | The menu entity |
| operPrivileges | List<OperPrivilege> | Y | The operated privileges |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Menu | menuId | long | Y | The menu id |
| menuName | string | Y | The menu’s name |
| parentMenuId | long | Y | The parent menu id |
| systemId | long | Y | The system id |
| modelId | long | Y | The model id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Privilege | privilegeId | long | Y | The privilege id |
| operId | long | Y | The operated id |
| operName | string | Y | The operated name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.user.system.list&format=json&timestamp=1437557074939&v=1&accessToken= be9ee09b8af34493974b165d5e410bd8*

* **Request Body:**
* **Response in case of success:**
* *{*
* *"requestId": "meo-201507291351440000000001",*
* *"doneTime": 1438149104669,*
* *"body": [ {*
* *"userName": "zhengzy",*
* *"roleNames": [*
* *"role3",*
* *"role2",*
* *"role1"*
* *],*
* *"menuPrivileges": [*
* *{*
* *"menu": {*
* *"menuId": 100000008002,*
* *"menuName": "menuName3",*
* *"systemId": 900,*
* *"moduleId": 90005*
* *},*
* *"operPrivileges": [*
* *{*
* *"privilegeId": 100000005002,*
* *"operId": 100000001001,*
* *"operName": "operName2"*
* *},*
* *{*
* *"privilegeId": 100000005003,*
* *"operId": 100000001002,*
* *"operName": "operName3"*
* *}*
* *]*
* *},*
* *{*
* *"menu": {*
* *"menuId": 100000008000,*
* *"menuName": "menuName1",*
* *"systemId": 900,*
* *"moduleId": 90005*
* *},*
* *"operPrivileges": [*
* *{*
* *"privilegeId": 100000005000,*
* *"operId": 100000001001,*
* *"operName": "operName2"*
* *},*
* *{*
* *"privilegeId": 100000005001,*
* *"operId": 100000001002,*
* *"operName": "operName3"*
* *},*
* *{*
* *"privilegeId": 100000006000,*
* *"operId": 100000001000,*
* *"operName": "operName1"*
* *}*
* *]*
* *}*
* *]*
* *}]*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507231120450000000003",*

*"doneTime": 1437621645525,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## Get system user list

Client should get the system user list. The users do not include partners.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.user.system.list.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML:** server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| systemUserCodition | userId | long | N | The system user id |
| userName | string | N | The system user name |
| pageNo | int | N | Page number (default value = 1) |
| pageSize | int | N | Page size (default value = 10) |
| roleId | long | N | The system role id |
| email | string | N | The system email |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| Body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The systemUser pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The systemUser list information |
| totalSize | int | Y | The systemUser total Size |
| pageNum | int | Y | the systemUser total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< systemUser > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| SystemUser | roleIds | List<roleId> | Y | The roleId type is long |
| roleNames | List<roleName> | Y | The role name type is string |
| userId | long | Y | The user id |
| genderId | int | Y | [Gender type](#_Gender_type) |
| gender | string | Y | Gender enum value |
| userName | string | Y | User first name |
| email | string | Y | User email |
| avatarUrl | string | N | User avatar |
| department | int | N | User department |
| staffType | Int | N | The user type |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.user.system.list&format=json&timestamp=1439884056319&v=1&accessToken=fbc16946708e4244803434e4486b284d*

* **Request Body:**
* *{*
* *"userId":100000003001,*
* *"roleId":100000005000,*
* *"email":"zhengzy1",*
* *"userName":"zheng",*
* *"pageNo":1,*
* *"pageSize":10*
* *}*
* **Response in case of success:**
* *{*
* *"requestId": "meo-201508181559050000000003",*
* *"doneTime": 1439884745782,*
* *"body": {*
* *"pageSize": 10,*
* *"currentPage": 1,*
* *"result": [ {*
* *"userId": 100000003001,*
* *"roleIds": [100000005000],*
* *"genderId": 1,*
* *"gender": "Male ",*
* *"userName": "zhengzy1",*
* *"department": 1,*
* *"staffType": 1,*
* *"email": "zhengzy1@asiainfo.com",*
* *"avatarUrl": "D:/app/yong/product",*
* *"roleNames": ["role6\_"]*
* *}],*
* *"totalSize": 1,*
* *"pageNum": 1*
* *}*
* *}*
* **Response in other cases:**
* *{*

*"requestId": "meo-201507221607170000000003",*

*"doneTime": 1437552437595,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## Create system user

When super administration can add system user , for example sale, campaign designer etc. The users do not include partners.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.user.system.add**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML:** server response client in XML format * **JSON:** server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| systemUser | roleIds | List<roleId> | Y | The role id type is long |
| genderId | int | Y | [Gender type](#_Gender_type) |
| userName | String | Y | The user name |
| email | string | Y | User email |
| avatarUrl | string | N | User avatar |
| department | int | N | User department |
| staffType | Int | N | The user type |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | userId | long | Y | The user id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.user.system.add&format=json&timestamp=1437542889793&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698*

* **Request Body:**
* *{*
* *"roleIds": [*
* *100000004000,*
* *100000004001,*
* *100000004002*
* *],*
* *"genderId": 1,*
* *"userName": "zhengzy1111",*
* *"department": 1,*
* *"staffType": 1,*
* *"email": "zhengzy@asiainfo.com",*
* *"avatarUrl": "D:/app/yong/product"*
* *}*
* **Response in case of success:**
* *{*
* *"requestId": "meo-201508061739180000000003",*
* *"doneTime": 1438853959860,*
* *"body": {"userId": 100000006001}*
* *}*
* **Response in other cases:**

*{*

*"requestId": "meo-201507221327380000000002",*

*"doneTime": 1437542858182,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty roleId"*

*}*

*}*

## Modify system user

When super administration can modify system user profile . The users do not include partners.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.user.system.modify.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML:** server response client in XML format * **JSON:** server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| systemUser | roleIds | List<roleId> | Y | The role id type is long |
| userId | long | Y | The user id |
| genderId | int | Y | [Gender type](#_Gender_type) |
| userName | String | Y | The user name |
| email | string | Y | User email |
| avatarUrl | string | N | User avatar |
| department | int | N | User department |
| staffTtype | int | N | The user type |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

***Common error response***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.user.system.modify&format=json&timestamp=1437547717659&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698*

* **Request Body:**
* *{*
* *"userId": 100000006001,*
* *"roleIds": [*
* *100000004001,*
* *100000004002*
* *],*
* *"genderId": 1,*
* *"userName": "zhengzy",*
* *"department": 1,*
* *"staffType": 1,*
* *"email": "zhengzy@asiainfo.com",*
* *"avatarUrl": "D:/app/yong/product"*
* *}*
* **Response in case of success:**

*{*

*"requestId": "meo-201508061740410000000005",*

*"doneTime": 1438854041947,*

*"body": {"userId": 100000006001}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221446380000000003",*

*"doneTime": 1437547598494,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty roleId"*

*}*

*}*

## Delete system user by user id

When super administration can delete system user. The users do not include partners.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.user.system.delete**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML:** server response client in XML format * **JSON:** server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Mandatory | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| userId | long | Y | The role id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | userId | long | Y | The user id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.user.system.delete&format=json&timestamp=1437552084912&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698&userId=100000003000*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221601060000000003",*

*"doneTime": 1437552066818*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221602000000000004",*

*"doneTime": 1437552120340,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty userId"*

*}*

*}*

## Get menu list

The interface support get menu’s information list.

### Function Module

Portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.menu.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageNo | Int | N | Page number (default value = 1) |
| pageSize | Int | N | Page size (default value = 10) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | List<Menu> | complex | Y | The list of menu information |
| body | PageInfo | Complex | Y | The menu list page info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| \menu | menuId | long | Y | The menu id |
| menuName | string | Y | The menu’s name |
| parentMenuId | long | Y | The parent menu id |
| systemId | int | Y | The system id |
| System | String | Y | The system name |
| moduleId | int | Y | The model id |
| module | String | Y | The module name |
| url | string | Y | The menu url |
| children | menu | Y | The menu’s children |
| menuSeq | int | Y | The menu sequence |
| pageInfo | pageSize | Int | Y | Maximum size of the page per request |
| Currentpage | Int | Y | The current page |
| Operation | complex | Y | The menu list information |
| totalSize | int | Y | The total record of all menu list |
| pageNum | Int | Y | The total page of all menu list |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.menu.list&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437533841028&format=json&v=1*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201509231747230000000016",*

*"doneTime": 1443005243738,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 3,*

*"result": [*

*{*

*"menuId": 100000111001,*

*"menuName": "menuTestX1",*

*"parentMenuId": 100000103010,*

*"systemId": 900,*

*"system": "Partner portal",*

*"moduleId": 90005,*

*"module": "System module",*

*"url": "system\_privilege",*

*"menuSeq": 1*

*},*

*{*

*"menuId": 100000111002,*

*"menuName": "menuTestX1",*

*"parentMenuId": 0,*

*"systemId": 900,*

*"system": "Partner portal",*

*"moduleId": 90005,*

*"module": "System module",*

*"url": "system\_privilege",*

*"menuSeq": 1*

*},*

*{*

*"menuId": 100000112001,*

*"menuName": "menuTestX1",*

*"parentMenuId": 100000103010,*

*"systemId": 900,*

*"system": "Partner portal",*

*"moduleId": 90005,*

*"module": "System module",*

*"url": "system\_privilege",*

*"menuSeq": 3*

*}*

*],*

*"totalSize": 23,*

*"pageNum": 3*

*}*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201508241103030000000006",*

*"doneTime": 1440388983573,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Add menu

Add the menu .

### Function Module

Portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.menu.add**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| menu | menuName | string | Y | The menu’s name |
| parentMenuId | long | N | The parent menu id |
| systemId | int | Y | The system id  [System class](#_System_class) |
| imagUrl | string | Y | The icon of menu |
| menuType | int | Y | Menu type |
| moduleId | int | Y | The module id  [Module class](#_Module_class_1) |
| url | string | Y | The menu url |
|  | menuSeq | int | Y | The menu sequence |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | menuId | long | Y | The menu id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.menu.add&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437532068087&format=json&v=1*

* **Request Body:**

*{*

*"menuType":1,*

*"moduleId":90005,*

*"menuName":"menuTestX1",*

*"imageUrl":"c:/abc.jpg",*

*"systemId":900,*

*"url":"system\_privilege",*

*"parentMenuId":100000103010,*

*"menuSeq":1*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201509231727080000000004",*

*"doneTime": 1443004028521,*

*"body": {"menuId": 100000112001}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221036000000000010",*

*"doneTime": 1437532560541,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty url"*

*}*

*}*

*{*

*"requestId": "meo-201509231728400000000005",*

*"doneTime": 1443004120512,*

*"error": {*

*"errCode": "3001036",*

*"errMsg": "This sequence number 1 is duplicate"*

*}*

*}*

## Modify menu

Modify the menu .

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.menu.modify**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| menu | menuId | long | Y | The menu id |
| menuName | string | Y | The menu’s name |
| parentMenuId | long | Y | The parent menu id |
| systemId | int | Y | The system id  [System class](#_System_class) |
| moduleId | int | Y | The module id  [Module class](#_Module_class_1) |
| url | string | Y | The menu url |
|  | menuSeq | Int | Y | The menu sequence |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.menu.modify&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437533933203&format=json&v=1*

* **Request Body:**

*{*

*"menuId":100000110001,*

*"menuName":"menuTestX2",*

*"moduleId":90005,*

*"parentMenuId":100000103010,*

*"url":"system\_privilege",*

*"systemId":900,*

*"menuSeq":1*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201507221101310000000009",*

*"doneTime": 1437534091827*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221100490000000007",*

*"doneTime": 1437534049434,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty menuId"*

*}*

*}*

*{*

*"requestId": "meo-201507221102280000000010",*

*"doneTime": 1437534148756,*

*"error": {*

*"errCode": "3001015",*

*"errMsg": "menu does nost exist"*

*}*

*}*

*{*

*"requestId": "meo-201509231735220000000009",*

*"doneTime": 1443004523068,*

*"error": {*

*"errCode": "3001036",*

*"errMsg": "This sequence number 1 is duplicate"*

*}*

*}*

## Delete menu

Delete the menu .

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.menu.delete**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| menuId | long | Y | The menu id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.menu.delete&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437534191635&format=json&v=1& menuId=100000008001*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221104430000000012",*

*"doneTime": 1437534283421*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221103180000000011",*

*"doneTime": 1437534198777,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty menuId"*

*}*

*}*

## Get operation list

The interface support get operate privilege information list.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.operation.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageNo | Int | N | Page number (default value = 1) |
| pageSize | Int | N | Page size (default value = 10) |
| operatorId | Long | N | Operator ID |
| operatorName | string | N | Operator name |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Body** | | **Complex Entity** | | **Type** | | **Is Mandatory** | **Description** | |
| body | | List<Operation> | | complex | | Y | The list of menu information | |
| Body | PageInfo | | Complex | | N | | | Operation list page info |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Operation | operId | long | Y | The operation id |
| operName | string | Y | The operation’s name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.operation.list&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437536426507&format=json&v=1*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201508241044100000000002",*

*"doneTime": 1440387850436,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*{*

*"operId": 100000001000,*

*"operName": "delete"*

*},*

*{*

*"operId": 100000001001,*

*"operName": "update"*

*},*

*{*

*"operId": 100000001002,*

*"operName": "select"*

*},*

*{*

*"operId": 100000001003,*

*"operName": "INSERT"*

*}*

*],*

*"totalSize": 4,*

*"pageNum": 1*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201508241047570000000003",*

*"doneTime": 1440388077062,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Add operation function

Add the operation function.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.operation.add**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| operName | string | Y | Operater name |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | operId | long | Y | The operater id |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.operation.add&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437536190449&format=json&v=1&operName=delete*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221133140000000004",*

*"doneTime": 1437535994209,*

*"body": {"operationId": 100000001003}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221136120000000005",*

*"doneTime": 1437536172659,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty operName"*

*}*

*}*

## Delete operation function

Delete the operation function.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.operation.delete**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| operId | string | Y | Operater id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.operation.delete&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437536533434&format=json&v=1*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221142550000000008",*

*"doneTime": 1437536575428*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221143290000000009",*

*"doneTime": 1437536609149,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty operId"*

*}*

*}*

## Create role privilege

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority/

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.privilege.role.add** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| rolePrivilege | role | Role | Y | The role complex entity |
| menuPrivileges | List<MenuPrivilege> | Y | The menu privilege |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| MenuPrivilege | menu | Menu | Y | The menu entity |
| operPrivileges | List<OperPrivilege> | Y | The operated privileges |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Role | roleName | string | Y | The role name |
| effectDate | Long | Y | The effect date |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| Menu | menuId | long | Y | The menu id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| OperPrivilege | privilege | complex | Y | The privilege information |
| operater | complex | Y | The operated information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| privilege | privilegeName | String | Y | The privilege name |
| privilegeCode | string | Y | The privilege code |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| operater | operaterId | long | Y | The privilege operater id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.privilege.role.add&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437537010593&format=json&v=1*

* **Request Body:**

*{  
    "role": {  
         "roleName":"roleKay",*

*"effectDate":1440488467689  
    },  
    "menuPrivileges": [  
        {  
            "menu": {  
                "menuId":100000008000  
            },  
            "operPrivileges": [  
                {  
                    "privilege": {  
                        "privilegeCode": "1",  
                        "privilegeName": "privilegeName"  
                    },  
                    "operater": {  
                        "operaterId": 100000001001  
                    }  
                },  
                {  
                    "privilege": {  
                        "privilegeCode": "2",  
                        "privilegeName": "privilegeName2"  
                    },  
                    "operater": {  
                        "operaterId": 100000001002  
                    }  
                }  
            ]  
        },  
        {  
            "menu": {  
                "menuId": 100000008002  
            },  
            "operPrivileges": [  
                {  
                    "privilege": {  
                        "privilegeCode": "3",  
                        "privilegeName": "privilegeName3"  
                    },  
                    "operater": {  
                        "operaterId": 100000001001  
                    }  
                },  
                {  
                    "privilege": {  
                        "privilegeCode": "4",  
                        "privilegeName": "privilegeName4"  
                    },  
                    "operater": {  
                        "operaterId": 100000001002  
                    }  
                }  
            ]  
        }  
    ]  
}*

* **Response in case of success:**

*{*

*"requestId": "meo-201507221150250000000010",*

*"doneTime": 1437537026340*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221152330000000011",*

*"doneTime": 1437537153450,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty menuPriveliges[1].operPrivileges[1].privilege.privilegeCode"*

*}*

*}*

## Delete menu privilege

Admin can remove the menu privilege.

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.privilege.menu.delete** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| privilegeId | long | Y | The privilege id |
| menuId | long | Y | The menu id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.privilege.menu.delete&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437537202467&format=json&v=1 &v=1&privilegeId=100000005000&menuId=100000008000*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221154330000000014",*

*"doneTime": 1437537273813*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221426510000000001",*

*"doneTime": 1437546417827,*

*"error": {*

*"errCode": "3001020",*

*"errMsg": "entity is empty PrivilegeMenu"*

*}*

*}*

## Delete operate privilege

Admin can remove the menu privilege.

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.privilege.operate.delete** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| privilegeId | long | Y | The privilege id |
| operateId | long | Y | The operateId |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.privilege.operate.delete&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437546488308&format=json&v=1&privilegeId=100000005001&operateId=100000001002*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221438300000000002",*

*"doneTime": 1437547110327*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221438110000000001",*

*"doneTime": 1437547091817,*

*"error": {*

*"errCode": "3001020",*

*"errMsg": "entity is empty PrivilegeOperater"*

*}*

*}*

## Delete role privilege by role id

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority/

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.privilege.role.delete** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| roleId | Role | Y | The role id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.privilege.role.delete&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437547184854&format=json&v=1&roleId=100000004000*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221441420000000007",*

*"doneTime": 1437547302963*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221442420000000012",*

*"doneTime": 1437547362426,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty roleId"*

*}*

*}*

## Reset system user password

Admin can reset the user’s password, the password will be reset the default password. 12345678

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/password/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.password.user.system.reset** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| userId | long | Y | The system user id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.password.user.system.reset&accessToken=e167a2ff52064fb7bc727db0e1f04b33&timestamp=1437547794963&format=json&v=1&userId=100000003000*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507221449150000000001",*

*"doneTime": 1437547755826*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507221449380000000002",*

*"doneTime": 1437547778160,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty userId"*

*}*

*}*

## Check the customer loginAcct repeat

When the registered customer, need to verify whether logAcct repetition

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/signup/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.customer.loginAcct.check** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| loginAcct | string | Y | The customer loginAcct |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | isRepeat | int | Y | If isRepeat is 1, means there was no verification through; If isRepeat 0 means the loginAcct already exists |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**
* https://localhost:8443/meo/rest/passport/signup?method=meo.customer.loginAcct.check&format=json&timestamp=1438153716666&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698& *loginAcct=7758259*
* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201507291502570000000004",*

*"doneTime": 1438153378234,*

*"body": {"isRepeat": 0}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507291503320000000005",*

*"doneTime": 1438153412757,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty loginAcct"*

*}*

*}*

## Check the partner loginAcct repeat

When the registered partner, need to verify whether logAcct repetition

### Function Module

Partner portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/signup/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.partner.loginAcct.check** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| loginAcct | string | Y | The partner loginAcct |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | isRepeat | int | Y | If isRepeat is 1, means there was no verification through; If isRepeat 0 means the loginAcct already exists |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**
* https://localhost:8443/meo/rest/passport/signup?method=meo.partner.loginAcct.check&format=json&timestamp=1438154168128&v=1&accessToken=88d6a1d2498e41e381f365f0df52b698&loginAcct=product@qq.com
* **Request Body:**
* **Response in case of success:**
* {
* "requestId": "meo-201507291516190000000002",
* "doneTime": 1438154179478,
* "body": {"isRepeat": 0}
* }
* **Response in other cases:**
* {
* "requestId": "meo-201507291503320000000005",
* "doneTime": 1438153412757,
* "error": {
* "errCode": "9001001",
* "errMsg": "null or empty loginAcct"
* }
* }

## List language value

The language value, example thai, chinese,english

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.language.list***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| languageCode | long | N | Language code |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< LanguageDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| LanguageDefine | languageCode | long | Y | Language id |
| name | string | Y | The language name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.language.list&accessToken=56809ec78f0f4ab59652a2e1c4952840&timestamp=1438138381902&format=json&v=1*

* **Response in case of success:**

*{*

*"requestId": "meo-201508201422290000000006",*

*"doneTime": 1440051749857,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"languageCode": 1,*

*"name": "chinese"*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}***Response in other cases:**

## List country value

The country value, example thai, china

### Function Module

Partner portal

### HTTP URL

http://localhost:8080/meo/rest/common/define

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.country.list***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| countryCode | long | N | Country code |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y | complex |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< countryDefine > |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| countryCode | countryCode | long | Y | Country id |
| name | string | Y | The country name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://119.46.160.70:8443/meo/rest/common/define?method=meo.country.list&accessToken=cadefc92d4134e4e99b87a8b93572886&timestamp=1438135164201&format=json&v=1&countryCode=66*

* **Response in case of success:**

*{*

*"requestId": "meo-201508201421140000000004",*

*"doneTime": 1440051674927,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"countryCode": 66,*

*"name": "Thailand "*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

* *}***Response in other cases:**

## Modify campaign property define

Client can invoke this interface to modify campaign property define.

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/campaign

### HTTP Method

Post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.campaign.porperty.define.modify.*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| Array of campaignPropertyDefine | Complex | Y | Campaign Property Define bean |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Complex | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignPropertyDefine | propertyKey | long | Y | The property key |
| propertyCode | string | N | The property code |
| propertyName | string | Y | The property name |
| mandatory | int | N | If the property is null,there will be a system default value.(0 means mandatory and 1 means not mandatory) |
| propertyValueType | int | N | Property value type ref [field type](#_Property_value_type) |

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://localhost:8443/meo/rest/campaign?method=meo.campaign.porperty.define.modify&accessToken=e9bc2fb10a264fd197202c11dc73a431&timestamp=1440752207458&format=json&v=1*

**Request BODY:**

*[{*

*"propertyKey": 1008,*

*"propertyCode": "appPicture2",*

*"propertyName": "Picture 2",*

*"mandatory": 1,*

*"propertyValueType": 4*

*},*

*{*

*"propertyKey": 1009,*

*"propertyCode": "appPicture3",*

*"propertyName": "Picture 3",*

*"mandatory": 1,*

*"propertyValueType": 4*

*}*

*]*

**Response in case of success:**

*{*

*"requestId": "meo-201508281601420000000006",*

*"doneTime": 1440752502657*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201508141551460000000003",*

*"doneTime": 1439538706809,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty propertyKey"*

*}*

*}*

## Modify operation function

The API is about to modify operation function

### Function Module

Partner portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Post

### Request

##### System Parameter

System parameter is unrelated to business, but it is required to construct connection between client and server.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.operation.modify.*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

Application parameter is relevant to business procedure, it is required to carry out business operation, accomplish business purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| UIUserOperater | Complex | Y | User operator bean |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Complex | **Name** | **Type** | **Is Mandatory** | **Description** |
| UIUserOperater | operId | long | Y | Operator ID |
| operName | string | Y | Operator name |
|
|

### Response

##### Response to succeeded

If succeeded, server will return the following information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status – 200)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| Body | Complex | Y | See below table for description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | operatorId | long | Y | The operator id, generate by system. |

##### Response to fail

If failed, server will return the error information to client in specific format in request (XML/JSON), with HTTP protocol head: (HTTP standard status)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://locahost:8443/meo/rest/passport/authority* *?method=meo.operation.modify&format=json&timestamp=1435935057214&v=1&accessToken=2c79a0ca8ded4586beb12e0904384074*

**Response in case of success:**

*{*

*"requestId": "meo-201508181123490000000002",*

*"doneTime": 1439871829237,*

*"body": {"operatorId": 100000001003}*

*}*

**Response in other cases:**

*{*

*"requestId": "meo-201508181124250000000003",*

*"doneTime": 1439871865804,*

*"error": {*

*"errCode": "3001023",*

*"errMsg": "operater does nost exist"*

*}*

*}*

## Get system user by user id

When portal load the menus, client should get the user by user id.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | **meo.user.system.get.** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| userId | long | Y | The user id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | systemUser | complex | Y | The user information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| systemUser | roleIds | List<roleId> | Y | The roleId type is long |
| roleNames | List<roleName> | Y | The role name type is string |
| userId | long | Y | The user id |
| genderId | int | Y | [Gender type](#_Gender_type) |
| gender | string | Y | Gender enum value |
| userName | string | Y | User first name |
| email | string | Y | User email |
| avatarUrl | string | N | User avatar |
| department | int | N | User department |
| staffType | Int | N | The user type |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**
* *https://localhost:8443/meo/rest/passport/authority?method=meo.user.system.get&format=json&timestamp=1439794449729&v=1&accessToken=fbc16946708e4244803434e4486b284d&userId=100000003001*
* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201508171453310000000002",*

*"doneTime": 1439794411868,*

*"body": {*

*"userId": 100000003001,*

*"roleIds": [100000005000],*

*"genderId": 1,*

*"userName": "zhengzy1",*

*"department": 1,*

*"staffType": 1,*

*"email": "zhengzy1@asiainfo.com",*

*"avatarUrl": "D:/app/yong/product",*

*"roleNames": ["role6\_"]*

*}*

*}}*

* **Response in other cases:**

*{*

*"requestId": "meo-201507231120450000000003",*

*"doneTime": 1437621645525,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty timestamp"*

*}*

*}*

## Get all partner list

Client can invoke interface to query partner profile.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/partner/profile

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | **getAllPartnerList**. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerId | long | N | partner id |
| companyName | string | N | company name |
| partnerSts | String | N | Partner status |
| pageSize | int | N | page size |
| pageNo | int | N | page number |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< partnerInfo> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| partnerInfo | partnerId | long | Y | Partner id |
| companyName | string | Y | Company name |
| taxId | string | Y | Tax id |
| createDate | long | Y | Partner create date |
| businessId | string | Y | business registration no. |
| sts | int | Y | Partner status, it has 0: inactive, 1: active, 2: deactivate |
| description | string | Y | inactive, active, deactivate |
| contractId | Int | Y |  |
| contractNo | string | Y |  |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/partner/profile?method=getAllPartnerList&format=json&timestamp=1440056084362&v=1&accessToken=ac5c53d6556446d3a5bf375742cd79b5*

* **Response in case of success:**

*{*

*"requestId": "meo-201508201617440000000012",*

*"doneTime": 1440058666102,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*{*

*"partnerId": 100011001,*

*"companyName": "companyname",*

*"taxId": "1",*

*"businessId": "1",*

*"sts": 1,*

*"createDate": 1429863996000,*

*"description": "active",*

*"contractId": 100000046002,*

*"contractNo": "100000046002"*

*},*

*{*

*"partnerId": 100000033000,*

*"companyName": "Telent",*

*"taxId": "1213220920",*

*"businessId": "1213029092",*

*"sts": 1,*

*"createDate": 1430033766000,*

*"description": "active",*

*"contractId": 100011001,*

*"contractNo": "11111"*

*},*

*{*

*"partnerId": 100000034000,*

*"companyName": "AIS",*

*"taxId": "1210920",*

*"businessId": "1292",*

*"sts": 1,*

*"createDate": 1430035359000,*

*"description": "active"*

*},*

*{*

*"partnerId": 100000035000,*

*"companyName": "AIS2",*

*"taxId": "3437434",*

*"businessId": "3438644",*

*"sts": 0,*

*"createDate": 1430136684000,*

*"description": "inactive"*

*},*

*{*

*"partnerId": 100000036000,*

*"companyName": "Telent",*

*"taxId": "3475344",*

*"businessId": "3453744",*

*"sts": 0,*

*"createDate": 1430215256000,*

*"description": "inactive"*

*},*

*{*

*"partnerId": 100000037000,*

*"companyName": "ABC Trading Co.,Ltd.",*

*"taxId": "347544",*

*"businessId": "38744",*

*"sts": 1,*

*"createDate": 1430256423000,*

*"description": "active"*

*},*

*{*

*"partnerId": 100000038000,*

*"companyName": "asiaInfo company",*

*"taxId": "100001",*

*"businessId": "1000001",*

*"sts": 1,*

*"createDate": 1434612013000,*

*"description": "active",*

*"contractId": 100000047000,*

*"contractNo": "100000047000"*

*},*

*{*

*"partnerId": 100000039000,*

*"companyName": "asiainfo",*

*"taxId": "123456",*

*"businessId": "123456",*

*"sts": 1,*

*"createDate": 1434612747000,*

*"description": "active",*

*"contractId": 100000048008,*

*"contractNo": "100000048008"*

*}*

*],*

*"totalSize": 8,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*"doneTime": "434343438989",*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## Save campaign group definition

Save campaign group define

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.campagin.group.save*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| groupCode | string | N | The group code |
| groupName | string | Y | The group name |
| campaignTypeIds | List<long> | Y | The campaignTypeIds is a arrayList,include many campaignTypeId,the campaignTypeId type is long |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

https://localhost:8443/meo/rest/common/define?method=meo.campagin.group.save&accessToken=4790c04de02f49fd9f24cc47b2514703&timestamp=1436345044816&format=json&v=1

**Request Body:**

*{*

*"groupCode": "5",*

*"groupName": "Voucher Redemption",*

*"campaignTypeIds": [*

*1,*

*2,*

*3*

*]*

*}*

**Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201509011822430000000001",*

*"doneTime": 1441106564142*

*}*

**Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201507081652120000000015",*

*"doneTime": 1436345532640,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty enumId"*

*}*

*}*

## List App download by customer Id

Client can invoke interface to query what apps had download.

### Function Module

customer

### HTTP URL

https://localhost:8443/meo/rest/ campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | ***meo.app.download.list***. API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size |
| pageNo | int | N | page number |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< String> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| String | appName | long | Y | The name of app |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/partner/profile?method=meo.app.download.list&format=json&timestamp=1440056084362&v=1&accessToken=ac5c53d6556446d3a5bf375742cd79b5*

* **Response in case of success:**

*{*

*"requestId": "meo-201508241713470000000003",*

*"doneTime": 1440411227430,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*"2048",*

*"NNNNNN",*

*"Swarm",*

*"Glympse",*

*"RunKeeper",*

*"Skout",*

*"Howeather IIII"*

*],*

*"totalSize": 7,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*"doneTime": "434343438989",*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## List campaign action by campaign type

Client can invoke interface to query campaign action list.

### Function Module

protal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | **string** | Y | ***meo.trigger.action.campaign.list*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size |
| pageNo | int | N | page number |
| campaignType | Int | Y | The campaign type |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The partner pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The partner list information |
| totalSize | int | Y | The partner total Size |
| pageNum | int | Y | the partner total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List< CampaignAction> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| CampaignAction | actionId | long | Y | The action id |
| actionName | Sting | Y | The action name |
| triggerAction | CampaignAction | N | The trigger action |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define?method=meo.trigger.action.campaign.list&accessToken=7b7ae0d0482a4549a43a67f01e44e7ff&timestamp=1440585700474&format=json&v=1&campaginType=1*

* **Response in case of success:**

*{  
    "pageSize": 10,  
    "currentPage": 1,  
    "result": [  
        {  
            "actionId": 1001,  
            "actionName": "download",  
            "triggerAction": [  
                {  
                    "actionId": 2001,  
                    "actionName": "grant coins"  
                },  
                {  
                    "actionId": 2002,  
                    "actionName": "grant product"  
                }  
            ]  
        },  
        {  
            "actionId": 1005,  
            "actionName": "open app",  
            "triggerAction": [  
                {  
                    "actionId": 2001,  
                    "actionName": "grant coins"  
                }  
            ]  
        }  
    ],  
    "totalSize": 2,  
    "pageNum": 1  
}*

* **Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "7837483748374",*

*"doneTime": "434343438989",*

*"error": {*

*" errCode": "300001",*

*" errMsg": "client time expired"*

*}*

*}*

## List all campaign

When load the campaign list in the app,the api will display all the campaign sort by campaignBeginDate

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/campaign

https://localhost:8443/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.all.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| Body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The campaign pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The campaign list information |
| totalSize | int | Y | The campaign total Size |
| pageNum | int | Y | the campaign total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<newFeedCampaign> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| newFeedCampaign | campaignBasic | complex | Y | The campaign basic information |
| campaignDetails | complex | Y | campaignDetails is a arrayList ,  list< campaignDetail> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignBasic | campaignId | long | Y | The campaign id |
| campaignName | string | Y | The campaign name |
| campaignNo | string | Y | The campaign no |
| description | string | N | The campaign description |
| groupCode | string | Y | The campaign group Code |
| iconUrl | string | N | The campaign icon url |
| participant | int | Y | The max participant |
| remainParticipant | int | Y | The remain participant |
| totalCoins | int | N | complete the campaign activities all the tasks you get the rewards |
| partnerId | long | Y | The partner id |
| partnerName | string | Y | The partner’s name |
| partnerAvatar | string | N | The partner’s avatar |
| requireCoins | long | Y | Join this campaign needs coin nums |
| campActionTempCode | string | Y | The campaign action template code |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignDetail | propertyId | long | Y | The campaignDetail propertyId |
| propertyCode | string | Y | The campaignDetail property code |
| propertyValue | string | Y | The campaignDetail propertyValue |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

***Common error response***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

**Request URL:**

*https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.all.list&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&pageNo=1&pageSize=5*

**Response successfully:**

*{*

*"requestId": "meo-201510141315220000000001",*

*"doneTime": 1444803325413,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [*

*{*

*"campaignBasic": {*

*"campaignId": 100000137003,*

*"campaignName": "downloadCampaign20151013\_002",*

*"partnerName": "mojito01",*

*"validDate": 1444755600000,*

*"expiredDate": 1448470799000,*

*"partnerId": 100000046002,*

*"campaignNo": "100000137003",*

*"description": "the description",*

*"groupCode": "5",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"participant": 20,*

*"remainParticipant": 20,*

*"totalCoins": 100,*

*"partnerAvatar": "/meo/rest/public/file/uploaded/9e7f430c3d8a44c6b459bef939df6c0e.png",*

*"campActionTempCode": "download2"*

*},*

*"campaignDetails": [*

*{*

*"propertyId": 100000134008,*

*"propertyCode": "appName",*

*"propertyValue": "appName"*

*},*

*{*

*"propertyId": 100000134009,*

*"propertyCode": "appDescription",*

*"propertyValue": "appDescription"*

*},*

*{*

*"propertyId": 100000134010,*

*"propertyCode": "appPicture1",*

*"propertyValue": "appPicture1"*

*},*

*{*

*"propertyId": 100000134011,*

*"propertyCode": "appPicture2",*

*"propertyValue": "appPicture2"*

*},*

*{*

*"propertyId": 100000134012,*

*"propertyCode": "appPicture3",*

*"propertyValue": "appPicture3"*

*}*

*]*

*},*

*{*

*"campaignBasic": {*

*"campaignId": 100000137004,*

*"campaignName": "redeemCampaign20151013",*

*"partnerName": "mojito01",*

*"validDate": 1444755600000,*

*"expiredDate": 1448470799000,*

*"partnerId": 100000046002,*

*"campaignNo": "100000137004",*

*"description": "redeem product description",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"participant": 50,*

*"remainParticipant": 50,*

*"partnerAvatar": "/meo/rest/public/file/uploaded/9e7f430c3d8a44c6b459bef939df6c0e.png",*

*"requireCoins": 5,*

*"campActionTempCode": "redeemProduct3"*

*},*

*"campaignDetails": [*

*{*

*"propertyId": 100000134013,*

*"propertyCode": "redeemPackName",*

*"propertyValue": "Package Name"*

*},*

*{*

*"propertyId": 100000134014,*

*"propertyCode": "meoPName",*

*"propertyValue": "Product Id"*

*},*

*{*

*"propertyId": 100000134015,*

*"propertyCode": "productFreeData",*

*"propertyValue": "Free data"*

*},*

*{*

*"propertyId": 100000134016,*

*"propertyCode": "productDesc",*

*"propertyValue": "Product description"*

*}*

*]*

*},*

*{*

*"campaignBasic": {*

*"campaignId": 100000136006,*

*"campaignName": "downloadCampaign20151013",*

*"partnerName": "mojito01",*

*"validDate": 1444755600000,*

*"expiredDate": 1448470799000,*

*"partnerId": 100000046002,*

*"campaignNo": "100000136006",*

*"description": "the description",*

*"groupCode": "5",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"participant": 20,*

*"remainParticipant": 20,*

*"totalCoins": 100,*

*"partnerAvatar": "/meo/rest/public/file/uploaded/9e7f430c3d8a44c6b459bef939df6c0e.png",*

*"campActionTempCode": "download2"*

*},*

*"campaignDetails": [*

*{*

*"propertyId": 100000133018,*

*"propertyCode": "appName",*

*"propertyValue": "appName"*

*},*

*{*

*"propertyId": 100000133019,*

*"propertyCode": "appDescription",*

*"propertyValue": "appDescription"*

*},*

*{*

*"propertyId": 100000133020,*

*"propertyCode": "appPicture1",*

*"propertyValue": "appPicture1"*

*},*

*{*

*"propertyId": 100000133021,*

*"propertyCode": "appPicture2",*

*"propertyValue": "appPicture2"*

*},*

*{*

*"propertyId": 100000133022,*

*"propertyCode": "appPicture3",*

*"propertyValue": "appPicture3"*

*}*

*]*

*},*

*{*

*"campaignBasic": {*

*"campaignId": 100000128003,*

*"campaignName": "downloadCampaign20151009",*

*"partnerName": "mojito01",*

*"validDate": 1444669200000,*

*"expiredDate": 1448470799000,*

*"partnerId": 100000046002,*

*"campaignNo": "100000128003",*

*"description": "the description",*

*"groupCode": "5",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"participant": 20,*

*"remainParticipant": 20,*

*"partnerAvatar": "/meo/rest/public/file/uploaded/9e7f430c3d8a44c6b459bef939df6c0e.png"*

*},*

*"campaignDetails": [*

*{*

*"propertyId": 100000125008,*

*"propertyCode": "appName",*

*"propertyValue": "appName"*

*},*

*{*

*"propertyId": 100000125009,*

*"propertyCode": "appDescription",*

*"propertyValue": "appDescription"*

*},*

*{*

*"propertyId": 100000125010,*

*"propertyCode": "appPicture1",*

*"propertyValue": "appPicture1"*

*},*

*{*

*"propertyId": 100000125011,*

*"propertyCode": "appPicture2",*

*"propertyValue": "appPicture2"*

*},*

*{*

*"propertyId": 100000125012,*

*"propertyCode": "appPicture3",*

*"propertyValue": "appPicture3"*

*}*

*]*

*},*

*{*

*"campaignBasic": {*

*"campaignId": 100000127003,*

*"campaignName": "downloadCampaign20151009",*

*"partnerName": "mojito01",*

*"validDate": 1444669200000,*

*"expiredDate": 1448470799000,*

*"partnerId": 100000046002,*

*"campaignNo": "100000127003",*

*"description": "the description",*

*"groupCode": "5",*

*"iconUrl": "C:/Users/yong/Desktop",*

*"participant": 20,*

*"remainParticipant": 20,*

*"partnerAvatar": "/meo/rest/public/file/uploaded/9e7f430c3d8a44c6b459bef939df6c0e.png"*

*},*

*"campaignDetails": [*

*{*

*"propertyId": 100000124008,*

*"propertyCode": "appName",*

*"propertyValue": "appName"*

*},*

*{*

*"propertyId": 100000124009,*

*"propertyCode": "appDescription",*

*"propertyValue": "appDescription"*

*},*

*{*

*"propertyId": 100000124010,*

*"propertyCode": "appPicture1",*

*"propertyValue": "appPicture1"*

*},*

*{*

*"propertyId": 100000124011,*

*"propertyCode": "appPicture2",*

*"propertyValue": "appPicture2"*

*},*

*{*

*"propertyId": 100000124012,*

*"propertyCode": "appPicture3",*

*"propertyValue": "appPicture3"*

*}*

*]*

*}*

*],*

*"totalSize": 38,*

*"pageNum": 8*

*}*

*}*

## List resource by custId

The api provide pagination parameters such as resource type、resource status 、pageNo and pageSize with the login userId to query resource list

### Function Module

Customer APP

### HTTP URL

http://localhost:8080/meo/rest/customer/resource

https://localhost:8443/meo/rest/ customer/resource

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.resource.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |
| resType | int | N | The [resourceType](#_Resource_Type) |
| resSts | int | N | 1 means redeem,2 means active,3 means expired |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The resource pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The resource list information |
| totalSize | int | Y | The resource total Size |
| pageNum | int | Y | the resource total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<resource> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| resource | resourceId | long | Y | The resource id |
| resourceName | string | N | The resource name |
| resourceStsId | int | Y | The resource status id |
| resourceSts | string | Y | The resource status description |
| cycleBeginDate | long |  | The resource cycle begin date |
| cycleEndDate | long |  | The resource cycle end date |
| description | string |  | The resource description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

***Common error response***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**
* *https://localhost:8443/meo/rest/customer/resource?method=meo.resource.list&accessToken=3a93b4f95700411b8bc795cba23614b6&timestamp=1440650600907&format=json&v=1&pageNo=1&pageSize=10*
* **Response successfully:**

*{*

*"requestId": "meo-201508271159570000000001",*

*"doneTime": 1440651598423,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [*

*{*

*"resourceId": 100000001000,*

*"resourceName": "productName2 publish",*

*"resourceStsId": 1,*

*"resourceSts": "REDEEM",*

*"cycleBeginDate": 1435165201000,*

*"cycleEndDate": 1435165201000,*

*"description": "description2 publish"*

*},*

*{*

*"resourceId": 100000001001,*

*"resourceName": "productName1",*

*"resourceStsId": 2,*

*"resourceSts": "ACTIVE",*

*"cycleBeginDate": 1435165201000,*

*"cycleEndDate": 1435165201000,*

*"description": "description1"*

*},*

*{*

*"resourceId": 100000003000,*

*"resourceName": "productName2 publish",*

*"resourceStsId": 1,*

*"resourceSts": "REDEEM",*

*"cycleBeginDate": 1435770000000,*

*"cycleEndDate": 1435770000000,*

*"description": "description2 publish"*

*},*

*{*

*"resourceId": 100000003001,*

*"resourceName": "productName2 publish",*

*"resourceStsId": 1,*

*"resourceSts": "REDEEM",*

*"cycleBeginDate": 1435770000000,*

*"cycleEndDate": 1435770000000,*

*"description": "description2 publish"*

*}*

*],*

*"totalSize": 4,*

*"pageNum": 1*

*}*

*}*

## Modify MNO

Change the MNO of the binding mobile phone

### Function Module

APP

### HTTP URL

https://localhost:8443/meo/rest/customer

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.mmo.modify*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| mnoId | Int | Y | The mno id |
| otp | string | Y | The one time password |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/customer?method=meo.mmo.modify&accessToken=88c180efbf2c4d139f15a96058ce873c&timestamp=1440757127000&format=json&v=1&mnoId=12&otp=676485*

* **Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201507081643210000000009",*

*"doneTime": 1436345003915*

*}*

**Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201507081652120000000015",*

*"doneTime": 1436345532640,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty mnoId"*

*}*

*}*

## Modify mobile number

Change the binding mobile phone number

### Function Module

APP

### HTTP URL

https://localhost:8443/meo/rest/ customer

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.bound.mobile.modify*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| mobileNo | string | Y | The mobile number |
| otp | string | Y | The one time password |
| countryCode | Int | Y | The coutry code |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/customer?method=meo.bound.mobile.modify&accessToken=88c180efbf2c4d139f15a96058ce873c&timestamp=1440758687984&format=json&v=1&mobileNo=15267158888&otp=927325&countryCode=86*

**Response in case of success:**

*HttpStatus:200*

*{*

*"requestId": "meo-201507081643210000000009",*

*"doneTime": 1436345003915*

*}*

**Response in other cases:**

*HttpStatus:400*

*{*

*"requestId": "meo-201507081652120000000015",*

*"doneTime": 1436345532640,*

*"error": {*

*"errCode": "9001001",*

*"errMsg": "null or empty mobileNo"*

*}*

*}*

## Modify campaign group definition

The API is about to modify campaign group definition.

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | string | Y | ***meo.campaign.group.modify*** API name provided by platform to implement a function. |
| format | string | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| groupId | Long | Y | The group code |
| groupCode | String | Y | Campaign group code |
| groupName | string | Y | The group name |
| campaignTypeIds | List<string> | Y | The campaignTypeIds is a arrayList,include many campaignTypeId,the campaignTypeId type is String |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define ?method=meo.campaign.group.modify&format=json&accessToken=c93d3decd79a4de3b8387c4a9661e615&v=1&timestamp=${=new Date().getTime()}*

* **Request Body:**

*{*

*"groupId":100000105001,*

*"groupCode": "5",*

*"groupName": "Voucher Redemption - 1",*

*"campaignTypeIds": [*

*14,*

*15,*

*16*

*]*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201509041528450000000001",*

*"doneTime": 1441355326732*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201509041530210000000002",*

*"doneTime": 1441355421517,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Deactivate campaign group definition

The API is about to deactivate campaign group definition

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | ***meo.campaign.group.delete***. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignGroupID | Long | Y | The campaign group ID |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define ?method=meo.campaign.group.delete&format=json&accessToken=c93d3decd79a4de3b8387c4a9661e615&v=1&timestamp=${=new Date().getTime()}*

* **Request Body:**

*N/A*

* **Response in case of success:**

*{*

*"requestId": "meo-201509041528450000000001",*

*"doneTime": 1441355326732*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201509041530210000000002",*

*"doneTime": 1441355421517,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Get campaign group definition

The API is about gathering campaign group definition

### Function Module

Partner portal

### HTTP URL

https://localhost:8443/meo/rest/common/define

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | ***meo.campaign.group.list***. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| PageNo | Int | N | Page number |
| PageSize | Int | N | Size of each page rendering |
| GroupCode | String | N | Campaign group code |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | PageInfo | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| PageInfo | pageSize | long | Y | Size of rendered page |
| pageNum | string | Y | Number of rendered page |
| totalSize | String | Y | Total size of result |
| CurrentPage | String | Y | Current number of rendered page |
| result | List<CampaignGroupDef> | Y | See below information |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| CampaignGroupDef | groupCode | String | Y | Campaign group code |
| groupName | String | Y | Campaign group name |
| groupType | Int | Y | Type of campaign group define |
| groupId | Long | Y | Campaign group ID |
| operatorId | Long | Y | Id of requester |
| campaignTypeIds | List<String> | Y | List of enumCode which are related with the campaign group define |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/common/define ?method=meo.campaign.group.list&format=json&accessToken=c93d3decd79a4de3b8387c4a9661e615&v=1&timestamp=${=new Date().getTime()}*

* **Request Body:**

*N/A*

* **Response in case of success:**

*{*

*"requestId": "meo-201509071016360000000001",*

*"doneTime": 1441595797350,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"groupCode": "5",*

*"groupName": "Voucher Redemption",*

*"groupType": 1,*

*"campaignTypeIds": [*

*13,*

*14,*

*15*

*],*

*"groupId": 100000102002,*

*"operatorId": 100000108001*

*}],*

*"totalSize": 1,*

*"pageNum": 1*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201509041530210000000002",*

*"doneTime": 1441355421517,*

*"error": {*

*"errCode": "9011001",*

*"errMsg": "token invalid"*

*}*

*}*

## Get menu by menu Id

Get detail of menu by menuId .

### Function Module

Portal

### HTTP URL

https://localhost: {port}/meo/rest/passport/authority

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.menu.get** API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | menuId | long | Y | The id’s menu . |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | menuId | long | Y | The menu id |
|  | menuName | string | N | The menu name |
|  | parentMenuId | long | N | The parent menu id |
|  | systemId | long | N | The system id |
|  | system | string | N | The system name |
|  | moduleId | long | N | The module id |
|  | module | string | N | The module name |
|  | url | string | N | The menu url |
|  | iconUrl | string | N | The icon url of menu |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/passport/authority?method=meo.menu.get.menu.info&accessToken=9846de1c5a6d40798727ed0a6830bd77&format=json&v=1&timestamp=${=new Date().getTime()}&menuId=100000103004*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201509221035240000000002",*

*"doneTime": 1442892924336,*

*"body": {*

*"menuId": 100000103004,*

*"menuName": "Campaign",*

*"parentMenuId": 100000103003,*

*"systemId": 900,*

*"system": "Partner portal",*

*"moduleId": 90003,*

*"module": "Campaign module",*

*"url": "campaignConfigure/campaign",*

*"iconUrl": "fa-circle",*

*"menuType": 1,*

*"menuSeq": 1*

*}*

*}*

* **Response in other cases:**

*{*

*"requestId": "meo-201509221036510000000003",*

*"doneTime": 1442893011218,*

*"error": {*

*"errCode": "3001015",*

*"errMsg": "menu does not exist"*

*}*

*}*

## List customer notification record by custId

The api provide pagination parameters such as pageNo and pageSize with the login userId to query customer notification record list

### Function Module

Customer APP

### HTTP URL

https://localhost:8443/meo/rest/ customer/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | ***meo.customer.notify.list***. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | string | Y | For security, return to client while login |
| timestamp | string | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | string | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The resource pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The notify record list information |
| totalSize | int | Y | The resource total Size |
| pageNum | int | Y | the resource total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<CustomerNotifyRecord> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| CustomerNotifyRecord | recordId | long | Y | The notify record id |
| custId | Long | y | The customer id |
| notifyDate | long | Y | The notify record notify date |
| notifyContent | string | Y | The notify record notify content |
| readed | int | y | The notify record read status id |
| read | String | Y | The notify record read status |
| campaignId | Long | Y | The campaign id |
| campActionTempCode | String | Y | The campaign action template code |
| iconURL | String | y | The campaign icon url |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

***Common error response***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/customer?method=meo.customer.notify.list&accessToken=67673c355e9f41029167bff9d89c6411&timestamp=${=new Date().getTime()}&format=json&v=1&pageSize=5*

* **Response successfully:**

*{*

*"requestId": "meo-201509301334140000000001",*

*"doneTime": 1443594855355,*

*"body": {*

*"pageSize": 5,*

*"currentPage": 1,*

*"result": [*

*{*

*"recordId": 100000001002,*

*"custId": 100000117001,*

*"notifyDate": 1443593789000,*

*"notifyContent": "notifyContent",*

*"readed": 2,*

*"read": "read"*

*},*

*{*

*"recordId": 100000001003,*

*"custId": 100000117001,*

*"notifyDate": 1443593789000,*

*"notifyContent": "notifyContent",*

*"readed": 2,*

*"read": "read"*

*},*

*{*

*"recordId": 100000001004,*

*"custId": 100000117001,*

*"notifyDate": 1443593789000,*

*"notifyContent": "notifyContent",*

*"readed": 2,*

*"read": "read"*

*},*

*{*

*"recordId": 100000001005,*

*"custId": 100000117001,*

*"notifyDate": 1443593789000,*

*"notifyContent": "notifyContent",*

*"readed": 2,*

*"read": "read"*

*},*

*{*

*"recordId": 100000002001,*

*"custId": 100000124005,*

*"notifyDate": 1443697906000,*

*"notifyContent": "messageContent",*

*"readed": 1,*

*"read": "un-read",*

*"iconURL": "C:/Users/yong/Desktop",*

*"campaignId": 100000138005,*

*"campActionTempCode": "redeemProduct3" }*

*],*

*"totalSize": 10,*

*"pageNum": 2*

*}*

*}*

## Create order range

Admin can create order range.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | ***meo.order.range.create***. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRangeList | orderRangeList | complexe | Y | The list of ‘orderRangeList’ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRangeList | rangeName | string | Y | The order range name |
| minCount | long | Y | The min count |
| maxCount | long | Y | The max count |
| categoryId | int | Y | The product category id |
| countUnit | int | Y | The order range count unit |
| rangeId | long | Y | The order range id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | rangId | long | Y | The order range id |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.order.range.create&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Request Body:**

*{*

*"orderRangeList":[*

*{*

*"rangeName":"rangeName123",*

*"categoryId":23,*

*"countUnit":2,*

*"maxCount":5,*

*"minCount":1*

*},*

*{*

*"rangeName":"rangeName123",*

*"categoryId":23,*

*"countUnit":1,*

*"maxCount":5,*

*"minCount":1*

*}*

*]*

*}*

**Response in case of success:**

*{*

*"requestId": "meo-201510061144530000000021",*

*"doneTime": 1444106693772,*

*}*

*Re***sponse in other cases:**

## Modify Order Range

Admin can modify order range.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

Post

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.order.range.modify**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRangeList | orderRangeList | complexe | Y | The list of ‘orderRangeList’ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRangeList | rangeName | string | Y | The order range name |
| minCount | long | Y | The min count |
| maxCount | long | Y | The max count |
| categoryId | int | Y | The product category id |
| countUnit | int | Y | The order range count unit |
| rangeId | long | Y | The order range id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.order.range.modify&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Request Body:**

*{*

*"orderRangeList":[*

*{*

*"rangeId":100000001101,*

*"rangeName":"rangeName123",*

*"categoryId":23,*

*"countUnit":2,*

*"maxCount":5,*

*"minCount":1*

*},*

*{*

*"rangeId":100000001102,*

*"rangeName":"rangeName123",*

*"categoryId":23,*

*"countUnit":1,*

*"maxCount":5,*

*"minCount":1*

*}*

*]*

*}*

* **Response in case of success:**

*{*

*"requestId": "meo-201509101426550000000002",*

*"doneTime": 1441870020754*

*}*

* **Response in other cases:**

## Delete order range by range id

Admin can delete order range by range id.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.order.range.delete**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | rangeId | long | Y | The order range id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | Y | Please see below entity description |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.order.range.delete&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201509101458550000000003",*

*"doneTime": 1441871935955*

*}*

* **Response in other cases:**

## List order range

Admin can list order range.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.order.range.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | pageSize | int | N | page size(default 10) |
| pageNo | int | N | page number(default 1) |
| rangeId | long | N | The range id |
| rangeName | string | N | The range name |
| categoryId | Ing | N | The category id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | long | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Name** | **Type** | **Is Mandatory** | **Description** |
| body | pageInfo | complex | N | The resource pageInfo |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| pageInfo | pageSize | int | Y | The pageSize |
| currentPage | int | Y | The current page |
| result | complex | Y | The notify record list information |
| totalSize | int | Y | The resource total Size |
| pageNum | int | Y | the resource total page num |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| result | complex | Y | The result is arraylist ,List<orderRange> |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRange | categoryId | long | Y | The category id |
| category | Long | y | The category name |
| orderRageVO | complexe | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRageVO | rangeId | long | Y | The category id |
| rangeName | string | Y | The order range name |
| minCount | long | Y | The min count |
| maxCount | long | Y | The max count |
| categoryId | int | Y | The product category id |
| countUnit | Int | Y | The count unit |
| unit | String | Y | The count unit name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.order.range.list&accessToken=df35963b5e0f4387bc25ec974497cd49&timestamp=${=new Date().getTime()}&format=json&v=1&pageSize=5*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201510071446180000000001",*

*"doneTime": 1444203978895,*

*"body": {*

*"pageSize": 10,*

*"currentPage": 1,*

*"result": [ {*

*"categoryId": 23,*

*"category": "Free Download Package",*

*"orderRange": [*

*{*

*"rangeId": 100000000101,*

*"rangeName": "rangeName123",*

*"minCount": 1,*

*"maxCount": 5,*

*"countUnit": 1,*

*"unit": "count"*

*},*

*{*

*"rangeId": 100000000112,*

*"rangeName": "rangeName123",*

*"minCount": 1,*

*"maxCount": 5,*

*"countUnit": 1,*

*"unit": "count"*

*},*

*{*

*"rangeId": 100000000113,*

*"rangeName": "rangeName123",*

*"minCount": 1,*

*"maxCount": 5,*

*"countUnit": 1,*

*"unit": "count"*

*},*

*{*

*"rangeId": 100000000114,*

*"rangeName": "rangeName123",*

*"minCount": 1,*

*"maxCount": 5,*

*"countUnit": 1,*

*"unit": "count"*

*}*

*]*

*}],*

*"totalSize": 4,*

*"pageNum": 1*

*}*

*}***Response in other cases:**

## Get order range by range id

Admin can query order range by range id.

### Function Module

Portal

### HTTP URL

http[s]://localhost:{port}/meo/rest/product/

### HTTP Method

get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.order.range.get**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
|  | rangeId | long | N | The order range id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | orderRange | Y | Please see below entity description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| orderRange | rangeId | long | Y | The order range id |
| rangeName | string | Y | The order range name |
| minCount | long | Y | The min count |
| maxCount | long | Y | The max count |
| countUnit | int | Y | The count unit |
| Unit | String | Y | The count unit name |
| categoryId | int | Y | The category id |
| category | String | Y | The category name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/product?method=meo.order.range.get&accessToken=0911479e39974ce78455d42fcf912c39&timestamp=1441871545895&format=json&v=1&discountId=100000002006*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201510071447090000000003",*

*"doneTime": 1444204029736,*

*"body": {*

*"rangeId": 100000000112,*

*"rangeName": "rangeName123",*

*"minCount": 1,*

*"maxCount": 5,*

*"countUnit": 1,*

*"unit": "count",*

*"categoryId": 23,*

*"category": "Free Download Package"*

*}*

*}* **Response in other cases:**

## Modify customer notify record read statues

Customer can modify notify record read status. If don’t input the parameter record id, it will modify all notify read status by customer id.

### Function Module

Customer APP

### HTTP URL

http[s]://localhost:{port}/meo/rest/customer/

### HTTP Method

get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | ***meo.customer.notify.read***. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * **XML**: server response client in XML format * **JSON**: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | string | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| recordId | long | N | The notify record id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL:**

*https://localhost:8443/meo/rest/customer?method=meo.customer.notify.read &accessToken=b5f12e7bec5c4deeb1430aed9b6439d0&timestamp=${=new Date().getTime()}&format=json&v=1&recordId=12212121*

* **Request Body:**
* **Response in case of success:**

*{*

*"requestId": "meo-201510121045410000000003",*

*"doneTime": 1444621542035*

*}*

**Response in other cases:**

## Get campaign product info by campaignId

### Function Module

Partner Portal

### HTTP URL

https://localhost:8443/meo/rest/campaign

### HTTP Method

Get

### Request

##### System Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| method | String | Y | **meo.campaign.product.list**. API name provided by platform to implement a function. |
| format | String | Y | Response Format. Default JSON   * XML: server response client in XML format * JSON: server response client in JSON format |
| accessToken | String | Y | For security, return to client while login |
| timestamp | String | Y | Request time. The time lag in millisecond between system time and CUT 1970/01/01 00:00:00. |
| v | String | Y | API Version. API may have different versions for various version of APP using at the same time. |
| signature | String | Y | A string encrypted with MD5 on all input value. |

##### Application Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| campaignId | long | Y | The campaign id |

### Response

##### Response to succeeded

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | String | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| body | complex | N |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | **Description** |
| body | campaignProductList | complex | N | campaignProductList is arrayList,the entity is campaignProduct |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Body** | **Complex Entity** | **Type** | **Is Mandatory** | Description |
| campaignProduct | campProdId | long | N | The product and campaign relationship |
| product | complex | Y | The product complex |
| discountRule | complex | Y | The discount rule of campaign |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| product | productId | long | N | The product id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRule | discountId | long | N | The discount id |
| discountRange | complex | Y | discount rule and order range relationship |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountRange | disRangeId | long | N | The discount range id |
| discountPrice | complex | Y | The discount price,ref price complex entity |
| rangeId | long | Y | The range id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| discountPrice | priceId | long | N |  |
| price | long | Y | The price value |
| priceUnit | int | Y | The price unit |
|  | unit | string | N | The price unit name |

##### Response to fail

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Is Mandatory** | **Description** |
| requestId | string | Y | The unique identifier to a request |
| doneTime | long | Y | The done time |
| error | complex | Y | The error response information |

##### Common error response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complex Entity** | **Name** | **Type** | **Is Mandatory** | **Description** |
| error | errCode | string | Y | Pre-defined business error code |
| errMsg | string | Y | Pre-defined business error message to error code |

### Example

* **Request URL**
* *https://119.46.160.71:8443/meo/rest/campaign?method=meo.campaign.product.list&accessToken=f8fc7836c0454144b3d60dd4b0cb20d8&timestamp=${=new Date().getTime()}&format=json&v=1&campaignId=100000139005*
* **Request body**

**Response in case of success:**

* *{*
* *"requestId": "meo-201510161733320000000004",*
* *"doneTime": 1444991612398,*
* *"body": [ {*
* *"campProdId": 100000004006,*
* *"product": {"productId": 100000149001},*
* *"discountRule": {*
* *"discountId": 100000042003,*
* *"discountRange": {*
* *"disRangeId": 100000019001,*
* *"discountPrice": {*
* *"priceId": 100000052001,*
* *"price": 9999,*
* *"priceUnit": 1,*
* *"unit": "BAHT"*
* *},*
* *"rangeId": 1*
* *}*
* *}*
* *}]*
* *}*
* **Response in other cases**

# Appendix

## List of Value

### Action enum

|  |  |
| --- | --- |
| Coding | Description |
| 1001 | Finish download |
| 1002 | active resource |
| 1003 | redeem product |
| 2001 | grant coins |

### MNO Type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | AIS |
| 2 | TRUE |
| 3 | xxxx |

### Account Type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Mobile number |
| 2 | email |
| 3 | MEO user name |

### Login Type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Normal login |
| 2 | OTP login |

### Social type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | MEO |
| 2 | FACEBOOK |
| 3 | TWITTER |
| 4 | Phone book |

### Campaign type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | App Downloading to earn coin |
| 2 | Campaign Type II: Registration/  Subscription to earn data voucher/coin |
| 3 | quiz |
| 4 | MEO Promotion Campaign |
| 5 | App Specific |
| 6 | Data Package Redemption |
| 7 | Sponsored download usage |

### Resource Type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 0 | Data package |
| 1 | Data voucher |
| 2 | coins |
| 3 | experience |

### Exchange type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Exchange experience to coins |
| 2 | Exchange experience to validity |

### Customer Gender

|  |  |  |
| --- | --- | --- |
| **Code** | **Value** | **Description** |
| 1 | M | Male |
| 2 | F | Female |

### Customer level

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | spark |
| 2 | Nova |
| 3 | akira |
| 4 | sami |

### User type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Customer |
| 2 | Partner |
| 3 | Admin |
| 4 | campaign designer |
| 5 | Helpdesk |
| 6 | sale |

### Setting type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 11 | privacy |
| 12 | notification |
| 13 | channel |

### Privacy type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Public |
| 2 | Friends |
| 3 | Only me |

### Notification switch

|  |  |
| --- | --- |
| **Code** | **Description** |
| 0 | on |
| 1 | off |

### Notify type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | SMS |
| 2 | Email |
| 3 | App |

### Language

|  |  |  |
| --- | --- | --- |
| **Code** | **Value** | **Description** |
| 1 | THA | Thai |
| 2 | ENG | English |
| 3 | CHI | Chinese |

### Module type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Web client |
| 2 | Mobile client |

### Gender type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Male |
| 2 | Female |

### Partner type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | MNO |
| 2 | Retail |
| 3 | Mobile App/ Game |
| 4 | E-commerce |
| 5 | Mobile Music & Video |
| 6 | Travel & Local |
| 7 | Transportation |
| 8 | Official Account Fan Page |
| 9 | Social Networks |

### Device type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | PC |
| 2 | Phone |
| 3 | Pad |

### Enum type

|  |  |
| --- | --- |
| **Code** | **description** |
| 1 | MNO type |
| 2 | Account type |
| 3 | Login type |
| 4 | Social type |
| 5 | Campaign type |
| 6 | Resource type |
| 7 | Exchange type |
| 8 | Customer level |
| 9 | User type |
| 10 | Setting type |
| 11 | Privacy type |
| 12 | Notification switch |
| 14 | language |
| 15 | Module type |
| 16 | Gender type |
| 17 | Partner type |
| 18 | Device type |
| 19 | Charge type |
| 20 | Product type |
| 21 | Product status type |
| 22 | Product cycle type |
| 23 | Service type |
| 24 | Denomination unit |
| 25 | Campaign status type |
| 26 | Price type |
| 29 | Group code |
| 30 | Property value type |
| 32 | System class |
| 33 | Module class |
| 34 | Notify type |
| 35 | OS type |
| 36 | Discount type |
| 37 | Receiver Type |
| 38 | Notification Time Mode |
| 40 | Customer notify type |
| 41 | Channel type |
| 42 | Count unit |

### Product type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | normal data package |
| 2 | special data package |

### Product cycle

|  |  |
| --- | --- |
| Coding | Description |
| 1 | One time |
| 2 | Recurring |

### Product status

|  |  |
| --- | --- |
| Coding | Description |
| 1 | inactive |
| 2 | active |
| 3 | deactivated |
|  |  |

### Charge Unit

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | charge per install |
| 2 | charge per order(coin) |

### Currency

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | BAHT |
| 2 | USD |
| 3 | YUAN |

### Time Unit

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | month |
| 2 | day |

### APP Category

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | books |
| 2 | business |
| 3 | entertainment |
| 4 | education |
| 5 | finance |
| 6 | food & drink |
| 7 | games |
| 8 | health & fitness |
| 9 | kids |
| 10 | lifestyles |
| 11 | music |
| 12 | news |
| 13 | photo & video |
| 14 | sport |
| 15 | social networking |
| 16 | travel |
| 17 | utilities |
| 18 | weather |
| 19 | others |

### Campaign Action

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | download |
| 2 | send coin |
| 3 | login |

### OS type

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | IOS |
| 2 | android |

### Denomination unit

|  |  |
| --- | --- |
| Code | Description |
| 1 | MB |
| 2 | KB |
| 3 | Hour |
| 4 | Month |

### Action type

|  |  |
| --- | --- |
| Coding | Description |
| 1 | predecessor action |
| 2 | successor action |

### Asset type

|  |  |
| --- | --- |
| Coding | Description |
| 1 | experience |
| 2 | coin |
| 3 | Amount of coin in # days |
| 4 | Total coins |
|  |  |
|  |  |

### Product category

|  |  |
| --- | --- |
| Coding | Description |
| 1 | Vertical app |
| 2 | Data package |
| 3 | Coin package |
| 4 | Free download package |
| 5 | Wifi package |

### Price type

|  |  |
| --- | --- |
| Coding | Description |
| 1 | Require coins |
| 2 | Price of product |
| 3 |  |
| 4 |  |
|  |  |

### Group Code

|  |  |
| --- | --- |
| Coding | Description |
| 1 | Application Download |
| 2 | Quiz |
| 3 | Promotion Campaign |
| 4 | Product Redemption |
| 5 | Voucher Redemption |

### Property value type

|  |  |
| --- | --- |
| Coding | Description |
| 1 | select |
| 2 | text |
| 3 | file |
| 4 | textarea |

### Country code

|  |  |
| --- | --- |
| Coding | Description |
| 66 | Thailand |
| 86 | CHINA |

### System class

|  |  |
| --- | --- |
| Coding | Description |
| 900 | Partner portal |
| 901 | Other portal |

### Module class

|  |  |
| --- | --- |
| Coding | Description |
| 90001 | Partner module |
| 90002 | Customer module |
| 90003 | Campaign module |
| 90004 | Product module |
| 90005 | System module |
| 90006 | xxxxxxx |

### Menu type

|  |  |
| --- | --- |
| Coding | Description |
| 1 | menu |
| 2 | button |
| 3 | checkbox |
| 4 | Table form |
| 5 | xxxxxx |
| 90006 | xxxxxxx |

### Count unit

|  |  |
| --- | --- |
| Coding | Description |
| 1 | count |
| 2 | MB |