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# **Common Response HTTP Code Code**

|  |  |  |
| --- | --- | --- |
| **HTTP Code** | **Error Message** | **Description** |
| 200 | Success |  |
| 400 | Bad Request |  |
| 401 | Unauthorized |  |
| 403 | Forbidden |  |
| 404 | Not Found |  |
| 409 | Conflict |  |
| 500 | Internal Server Error |  |
| 503 | Service Unavailable |  |

Please refer to this link for HTTP response codes (<https://en.wikipedia.org/wiki/List_of_HTTP_status_codes>)

# **Common Header**

## **Common Request Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **M/O** | **Setting Value** | **Description** |
| Content-Type | M | application/json;charset=UTF-8 |  |
| Content-Length | M | Actual data length of BODY part |  |
| Accept | M | application/json |  |
| Cache-control | M | no-cache |  |

## **Common Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Key** | **M/O** | **Setting Value** | **Description** |
| Content-Type | M | application/json;charset=UTF-8 |  |
| Date | M | Processing Datetime |  |
| Transfer-Encoding | M | Chunked |  |
| Cookie | M |  |  |

# **Common Error Response**

## **Common Error Response Interface**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| code | String | M | 12 | 12 |  | Error Code |
| message | String | M | 1 | 128 |  | Error Message (not for end-user) |

## **Error Code Structure**

Error Code has 7 characters length with the following structure:

**E NNN NNN**

**E**: Error

**NNN**: Basically, follow HTTP Code code.

**NNN**: Error Code numbering sequence number.

# **List of Restful API Endpoint**

|  | **Resources** | | **API Name** | **Method** | **Endpoint** |
| --- | --- | --- | --- | --- | --- |
| VMS Customer | | | | | |
|  | Users | Availability | [Check Username Availability](#_Check_Username_Availability) | GET | /vms/v1/users/availability?username={username} |
|  | Login | [Login Using Email](#_Login_Using_Email) | POST | /vms/v1/users/login |
|  | Open AIS Playground | [Get Info to Open Playground](#_Get_Info_to) | GET | /vms/v1/users/login\_playground |
|  | Login AIS Playground | [Login Using Playground Code](#_Login_Using_AIS) | POST | /vms/v1/users/login\_playground |
|  | Register | [Check and Register Username](#_Check_and_Register) | POST | /vms/v1/users/register |
|  | Register Detail | [Register Account Detail](#_Register_User_Account) | PATCH | /vms/v1/users/{userId}/register |
|  | Reset pass | [Reset Password](#_Reset_Password_API) | PATCH | /vms/v1/users/{userId}/reset\_password |
|  | Change pass | [Change Password](#_Change_Password_API) | PATCH | /vms/v1/users/change\_password |
|  | Close Account | [Close Account](#_Close_Account_API) | PATCH | /vms/v1/users/close |
|  | Logout | [Logout](#_Logout_API) | GET | /vms/v1/users/logout |
|  | Package Info | [Get Package Info](#_Get_Package_Info) | GET | /vms/v1/users/package |
|  | OTP | Request | [Request OTP](#_Request_OTP_API) | POST | /vms/v1/otp/request |
|  | Verify | [Verify OTP](#_Request_OTP_API) | POST | /vms/v1/otp/verify |
|  | Templates | Get all | [Get All Templates](#_Get_All_Templates) | GET | /vms/v1/templates |
|  | Get mine | [Get My Templates](#_Get_My_Templates) | GET | /vms/v1/templates/my\_templates |
|  | Add mine | [Add My Template](#_Add_My_Templates) | POST | /vms/v1/templates/add\_my |
|  | Remove mine | [Remove My Template](#_Remove_My_Template) | DELETE | /vms/v1/templates/my\_templates/{themeId} |
|  | Get Template Theme | [Get Template Theme](#_Get_Template_Theme) | GET | /vms/v1/templates/themes/{themeId} |
|  | Projects | Search | [Search My Projects](#_Get_My_Projects) | POST | /vms/v1/projects/search |
|  | Suggestion | [Search My Projects Suggestion](#_Get_My_Projects_1) | POST | /vms/v1/projects/suggestion |
|  | Create | [Create Project](#_Create_Project_API) | POST | /vms/v1/projects |
|  | Duplicate | [Duplicate Project](#_Duplicate_Project_API) | POST | /vms/v1/projects/duplicate |
|  | Delete | [Delete Project](#_Delete_Project_API_1) | DELETE | /vms/v1/projects/{projectId} |
|  | Rename | [Rename Project](#_Rename_Project_API) | PATCH | /vms/v1/projects/{projectId}/rename |
|  | Publish | [Publish Project](#_Publish_Project_API) | POST | /vms/v1/projects/{projectId}/publish |
|  | Unpublish | [Unpublish Project](#_Unpublish_Project_API) | POST | /vms/v1/projects/{projectId}/unpublish |
|  |  | Get | [Get Publish Domain](#_Get_Publish_Domain) | GET | /vms/v1/projects/{projectId}/domain |
|  | Update | [Update Publish Domain](#_Update_Publish_Domain) | PATCH | /vms/v1/projects/{projectId}/domain |
|  | Update | [Update Publish Info](#_Update_Project_Publish) | PATCH | /vms/v1/projects/{projectId}/publish\_info |
|  | Create | [Create Admin Account](#_Create_Admin_Account) | POST | /vms/v1/projects/{projectId}/admins |
|  | Websites | Search | [Search My Websites](#_Get_My_Websites) | POST | /vms/v1/websites/search |
|  | Suggestion | [Search My Websites Suggestion](#_Get_My_Websites_1) | POST | /vms/v1/websites/suggestion |
|  | Get Details | [Get My Website Details](#_Get_My_Website) | GET | /vms/v1/websites/{websiteId} |
|  | Update Status | [Update My Website Status](#_Update_My_Website) | PATCH | /vms/v1/websites/{websiteId}/status |
|  | Update Details | [Update My Website Details](#_Update_My_Website_1) | PATCH | /vms/v1/websites/{websiteId}/detail |
|  | Duplicate | [Duplicate My Website](#_Duplicate_My_Website) | POST | /vms/v1/websites/duplicate |
|  | Edit | [Edit My Website](#_Edit_My_Website) | POST | /vms/v1/websites/edit |
|  | Websitedata | Get | [Get Website Data](#_Get_Web_Site) | GET | /vms/v1/websitedata/{websiteDataId} |
|  | Update | [Update Website Data](#_Update_Web_Site) | PATCH | /vms/v1/websitedata/{websiteDataId} |
|  | PageData | Get | [Get Page Data](#_Get_Page_Data) | GET | /vms/v1/pagedata/{pageDataId} |
|  | Create | [Create Page Data](#_Create_Page_Data) | POST | /vms/v1/pagedata |
|  | Update | [Update Page Data](#_Update_Page_Data) | PATCH | /vms/v1/pagedata/{pageDataId} |
|  | Delete | [Delete Page Data](#_Delete_Page_Data) | DELETE | /vms/v1/pagedata/{pageDataId} |
| VMS Admin | | | | | |
|  | Reports | Get | [Get Report Information](#_Get_Report_Information) | GET | /vms/v1/reports |
|  | Customers | Get List | [Get Customer Profile List](#_Get_Customer_Profile) | POST | /vms/v1/customers/search |
|  | Get Detail | [Get Customer Information](#_Get_Customer_Information) | GET | /vms/v1/customers/{userId} |
|  | Change Status | [Change Customer Status](#_Change_Customer_Status) | PATCH | /vms/v1/customers/{userId}/status |
|  | Change VM | [Change VM status](#_Change_VM_Status) | PATCH | /vms/v1/customers/{userId}/vm\_status |
|  | Get VM | [Get VM Status](#_Get_VM_Status) | GET | /vms/v1/customers/{userId}/vm\_status |
|  | Systems | Get Systems | [Get System List](#_Get_System_List) | GET | /vms/v1/systems/my/{userId} |
|  | Change Status | [Change System Status](#_Change_System_Status) | PATCH | /vms/v1/systems/{websiteId}/status |
|  | Approve Websites | Search | [Search Aprove Websites](#_Search_Approve_Websites) | POST | /vms/v1/approvewebsites/search |
|  | Review Result | [Submit Approve Website Review Result](#_Submit_Review_Result) | PATCH | /vms/v1/approvewebsites/{approveWebsiteId}/review\_result |
|  | Members | Search Members | [Search Members](#_Get_Member_List) | POST | /vms/v1/members/search |
|  | Get Detail | [Get Member Details](#_Get_Member_Details) | GET | /vms/v1/members/{userId} |
|  | Update Contact | [Update Member Contact Information](#_Update_Member_Contact) | PATCH | /vms/v1/members/{userId}/contact |
|  | Update Login | [Update Member Login Information](#_Update_Member_Login) | PATCH | /vms/v1/members/{userId}/login |
|  | Change Pass | [Update Member Password](#_Change_Member_Password) | PATCH | /vms/v1/members/{userId}/pass |
|  | Add Member | [Add member](#_Add_Member_API) | POST | /vms/v1/members |
|  | Delete Member | [Delete Member](#_Change_Member_Status) | DELETE | /vms/v1/members/{userId} |
|  | Roles | Get List | [Get Role List](#_Get_Role_List) | GET | /vms/v1/roles |
|  | Get Detail | [Get Role Detail](#_Get_Role_Detail) | GET | /vms/v1/roles/{roleId} |
|  | Add Role | [Add Role](#_Add_Role_API) | POST | /vms/v1/roles |
|  | Update Role | [Update Role](#_Update_Role_API) | PATCH | /vms/v1/roles/{roleId} |
|  | Delete Role | [Delete Role](#_Delete_Role_API) | DELETE | /vms/v1/roles/{roleId} |
|  | Get Category permissions | [Get Category Permissions](#_Delete_Role_API) | GET | /vms/v1/roles/permissions?category={category} |
|  | Orders | Search Orders | [Search Orders](#_Get_Order_List) | POST | /vms/v1/orders/search |
|  | Themes | Search Themes | Search Themes | POST | /vms/v1/themes/search |
|  | Update Status | Update Theme Status | PATCH | /vms/v1/themes/{themeId}/status |
|  | Delete | Delete Theme | DELETE | /vms/v1/themes/{themeId} |
|  | Import Theme | Import Theme | POST | /vms/v1/themes |
|  | Widgets | Search Widgets | Search Widgets | POST | /vms/v1/widgets/search |
|  | Update Status | Update Widget Status | PATCH | /vms/v1/widgets/{widgetId}/status |
|  | Delete Widget | Delete Widget | DELETE | /vms/v1/widgets/{widgetId} |
|  | Import Widget | Import Widget | POST | /vms/v1/widgets |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Publish/Schedule Job | | | | | |
|  | Website | Publish | [Publish Website Job](#_Publish_Website_Job) |  |  |
|  | Auto Terminate | [Auto Terminate Website Job](#_Auto_Terminate_Website) |  |  |
|  | User | Auto Close | [Auto Close Account](#_Publish_Website_Job) Job |  |  |
|  | MG Accounts | Provisioning MG Account | [Provisioning MG Account](#_Provisioning_MG_Account) | POST | /vms/v1/mgaccounts/provisioning |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# **Check Username Availability API**

|  |  |
| --- | --- |
| **API Name** | Check Username Availability |
| **URL** | /vms/v1/users/availability?username={username} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Check and return if the specified username (or email) is existed as normal user on VMS user DB.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** | **Description** |
| --- | --- | --- | --- | --- |
| 1 | Username format | username | * Mandatory |  |

If not any of the above matches, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | username | E400004 | username |

1. Search User Information Using Input username

Call [Get Active User by Username or Email] microservice API via API GW to search for user information.

Set the following Request Path & Query Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| usernameOrEmail | String | Input parameter username | Query parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| username | String | M |  | 320 | Email or Username | ID for login VMS |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String |  |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successful processed |
| 400 | E400004 | Format validation error |
| 401 | E401011 | User account locked |
| 401 | E401012 | Unsuccess registration |
| 401 | E401013 | Registration locked |
| 401 | E401014 | User account expired |
| 401 | E401015 | User account inactive |
| 404 | E404001 | User account not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Login Using Email API**

|  |  |
| --- | --- |
| **API Name** | Login Using Email |
| **URL** | /vms/v1/users/login |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Check login using email and password and return user information.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** | **Description** |
| --- | --- | --- | --- | --- |
| 1 | Username format | username | * Mandatory |  |
| 2 | Password format | password | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |  |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | username | E400004 | username |
| password | password |

1. Search User Information Using Input username

Call [Authenticate User by Username or Email] microservice API via API GW to authenticate user.

Set the following Request Path & Query Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| usernameOrEmail | String | Input parameter username |  |
| password | String | Input parameter password |  |

If error response from microservice, return error response.

1. In case User Type Is Customer, Determine Which Default Page To Display

Call [Count My Websites] microservice API via API GW to count number of websites

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |

If error response from microservice, return error response.

If number of websites is 0 then,

Call [Count My Projects] microservice API via API GW to count number of projects

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |

If error response from microservice, return error response.

1. In case User Type Is AIS, Get Permissions Information

Call [Get Role Permissions] microservice API via API GW to get permission for this user.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleId | String | UserInformation.roleId | Path parameter |

If error response from microservice, return error response.

Call [Get Access Path Permissions] microservice API via API GW to get path permission for frontend app.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| category | String | “Frontend” | Path parameter |

If error response from microservice, return error response.

Create frontendAccessPaths array contain all access path that the user can access based on the role permission and frontend access path information received above.

Call [Get Access Path Permissions] microservice API via API GW to get path permission for biz flow API.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| category | String | “Backend” | Path parameter |

If error response from microservice, return error response.

Create backendAccessPaths array contain all access path that the user can access based on the role permission and backend access path information received above.

1. In Case User Type Is Customer, Resume Website If Clear Close Mark Is True

Call [Change My Websites Status] microservice API via API GW to change websites status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Active” |  |
| statusEvent | String | “Cancel\_Close\_Account” |  |
| oldStatus | String | “Inactive” |  |
| oldStatusEvent | String | “User\_Close\_Account” |  |

If error response from microservice, return error response.

TODO: clarify detail Cauldron spec to resume destination web with AIS

1. Create Success Response Parameters

| **Response Parameter** | **Setting Value** | | | | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| userId | UserInformation.userId | | | |  |
| type | UserInformation.type | | | |  |
| roleId | UserInformation.roleId | | | |  |
| username | UserInformation.username | | | |  |
| firstname | UserInformation.firstname | | | |  |
| lastname | UserInformation.lastname | | | |  |
| email | UserInformation.email | | | |  |
| phoneNumber | UserInformation.phoneNumber | | | |  |
| profileImage | UserInformation.profileImage | | | |  |
| defaultPage | **users.type** | **# of Websites** | **# of Projects** | **Setting Value** | * When count websites: status = Active, Inactive, Ban, Terminated * When count projects:  status = Draft, Pending |
| AIS | - | - | view\_report |
| Customer | >=1 | - | my\_websites |
| =0 | >=1 | my\_projects |
| =0 | =0 | all\_templates |
| accessPaths | AccessPathPermissions.frontendAccessPaths | | | | Can access which paths |

1. Save User Information & Backend Access Paths Information on session and Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| username | String | M |  | 320 | Username or Email | ID for login VMS |
| password | String | M |  |  |  | Password for login VMS |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String |  |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| type | String | M |  |  | Customer, AIS | User Type |
| roleId | String | O |  |  |  |  |
| username | String | M |  |  |  |  |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| email | String | M |  |  |  |  |
| phoneNumber | String | O |  |  |  |  |
| profileImage | String | M |  |  |  |  |
| defaultPage | String | M |  |  | * My Websites * My Projects * All Templates * View Report | Which page to display after login when user is customer |
| accessPaths | Array | O |  |  |  | Access Path for AIS users |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401001 | ID/Pass authorization error |
| 401 | E401011 | User account locked |
| 401 | E401012 | Unsuccess registration |
| 401 | E401013 | Registration locked |
| 401 | E401014 | User account expired |
| 401 | E401015 | User account inactive |
| 404 | E404001 | User account not found |
| 429 | E429003 | Over password unmatched limit |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Info to Open Playground API**

|  |  |
| --- | --- |
| **API Name** | Get Info to Open Playground |
| **URL** | /vms/v1/users/login\_playground |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get information to redirect to open playground login screen.

1. Register State Information

Generate a unique 36 characters state and save it to redis memory.

| **Redis** | **Setting Value** | **Remarks** |
| --- | --- | --- |
| Key | STATE\_KEY\_{state} | Check exist before set to redis. If exist regenerate new value |
| Value | Current Date Time |  |
| Expired Time | STATE\_EXPIRED\_TIME |  |

1. Create Success Response Parameters

| **Response Parameter** | **Setting Value** | **Remarks** |
| --- | --- | --- |
| redirectEndPoint | <PLAYGROUND\_AUTHORIZE\_GET\_URI>?response\_type=<PLAYGROUND\_RESPONSE\_TYPE>&client\_id=<CLIENT\_ID>&redirect\_uri=<REDIRECT\_URI>&scope=<PLAYGROUND\_SCOPE>&lang=<PLAYGROUND\_LANG> |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String |  |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| redirectEndPoint | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 500 | E500100 | Unexpected error at biz flow |

# **Login Using Playground Code API**

|  |  |
| --- | --- |
| **API Name** | Login Using AIS Playground Code |
| **URL** | /vms/v1/users/login\_playground |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Get token from playground and register a new user if needed.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | state | * 36 characters |
| 2 | Code format | code | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | state | E400004 | state |
| code | code |

1. Check If State Is Invalid

Check if STATE\_KEY\_{input parameter state} exists in redis memory.

If not found, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404002 |  |

If found, delete the key from redis memory.

1. Call Playground API For Authorization

POST Method.

URL: Value of PLAYGROUND\_AUTHORIZE\_POST\_URI

Request Header Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | The value is “application/x-www-form-urlencoded” |

Request Body Parameters

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| client\_id | String | Value of PLAYGROUND\_CLIENT\_ID |  |
| grant\_type | String | Value of PLAYGROUND\_GRANT\_TYPE | “authorization\_code” |
| code | String | Input parameter code |  |
| client\_secret | String | Value of PLAYGROUND\_CLIENT\_SECRET |  |
| redirect\_uri | String | Value of PLAYGROUND\_REDIRECT\_URI |  |

If error response from Playground, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401001 |  |

If success response, return decode the id\_token to get user information.

1. Call XXX API to Get Package Information???

TODO: Call XXX API to get package information as follow.

1. Search User Information Using Username From Playground

Call [Register User External Login] microservice API via API GW to register external user information.

Set the following Request Path & Query Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| username | String | username in id token |  |
| email | String | username in id token |  |
| type | String | CUSTOMER\_USER\_TYPE |  |
| firstname | String | firstname in id token |  |
| lastname | String | lastname in id token |  |
| additionalInfo.accountType | String | accountType in id token |  |
| profileImage | String | DEFAULT\_CUSTOMER\_PROFILE\_IMAGE |  |

If error response from microservice, return error response.

If response additionalInfo.numberOfWebsites not equal to 0, and oldFirstname or oldLastname different with current firstname and lastname,

Call [Update Approve Website Owner] microservice API via API GW to update website owner.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| ownerId | String | Response userId | Path parameter |
| firstname | String | Response firstname |  |
| lastname | String | Response lastname |  |
| username | String | Response username |  |

If error response from microservice, return error response.

1. Determine Which Default Page To Display

Call [Count My Websites] microservice API via API GW to count number of websites

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |

If error response from microservice, return error response.

If number of websites is 0 then,

Call [Count My Projects] microservice API via API GW to count number of projects

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |

If error response from microservice, return error response.

1. Resume Website If Clear Close Mark Is True

Call [Change My Websites Status] microservice API via API GW to change websites status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Active” |  |
| statusEvent | String | “Cancel\_Close\_Account” |  |
| oldStatus | String | “Inactive” |  |
| oldStatusEvent | String | “User\_Close\_Account” |  |

If error response from microservice, return error response.

TODO: clarify detail Cauldron spec to resume destination web with AIS

1. Create Success Response Parameters

| **Response Parameter** | **Setting Value** | | | | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| userId | userId received above | | | |  |
| type | type received above | | | |  |
| roleId | roleId received above | | | |  |
| username | username received above | | | |  |
| firstname | firstname received above | | | |  |
| lastname | lastname received above | | | |  |
| email | email received above | | | |  |
| phoneNumber | phoneNumber received above | | | |  |
| profileImage | profileImage received above | | | |  |
| defaultPage | **directPassword** | **# of Websites** | **# of Projects** | **Setting Value** |  |
| False | - | - | set\_password |
| True | >=1 | - | my\_websites |
| =0 | >=1 | my\_projects |
| =0 | =0 | my\_templates |

1. Save User Information on session and Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| code | String | M |  |  |  | Generated by Andromeda |
| state | String | M |  |  |  | Generated by VMS |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String |  |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| type | String | M |  |  | Customer, AIS | User Type |
| roleId | String | O |  |  |  |  |
| username | String | M |  |  |  |  |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| email | String | M |  |  |  |  |
| phoneNumber | String | O |  |  |  |  |
| profileImage | String | M |  |  |  |  |
| defaultPage | String | M |  |  | * set\_password * my\_websites * my\_projects * my\_templates | Which page to display after login |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401001 | Authentication error |
| 401 | E401014 | User account expired |
| 401 | E401015 | User account inactive |
| 404 | E404002 | State not found |
| 409 | E409001 | Duplication error (username, email) |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Check and Register Username API**

|  |  |
| --- | --- |
| **API Name** | Check and Register Username |
| **URL** | /vms/v1/users/register |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Check login using email and password and return user information.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Email format | username | * A-Z, a-z, 0-9 * Special Characters * Must have at least @ sign * Must have a point |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | username | E400004 | username |

1. Register Username

Call [Register Username] microservice API via API GW to register username temporary.

Set the following Request Path & Query Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| username | String | Input parameter username |  |
| email | String | Input parameter username |  |
| type | String | CUSTOMER\_USER\_TYPE |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| username | String | M |  |  | Email | Email for login VMS |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String |  |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 201 | - | Successfully created |
| 400 | E400004 | Format validation error |
| 401 | E401011 | User account locked |
| 401 | E401012 | Unsuccess registration |
| 401 | E401013 | Registration locked |
| 401 | E401014 | User account expired |
| 401 | E401015 | User account inactive |
| 409 | E409001 | Duplication error (username, email) |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Request OTP API**

|  |  |
| --- | --- |
| **API Name** | Request OTP |
| **URL** | /vms/v1/otp/request |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Generate and send OTP via email.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Username format | username | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | username | E400004 | username |

1. Search User Information Using Input Parameter username

Call [Get Active User by Username or Email] microservice API via API GW to search for user information.

Set the following Request Path & Query Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| usernameOrEmail | String | Input parameter username | Path parameter |

If error response from microservice, return error response.

If email is null, return following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404000 |  |

1. Request To Generate And Send OTP Information

Call [Request OTP] microservice API via API GW to generate and send OTP.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | UserInformation.userId |  |
| email | String | UserInformation.email |  |

If error response from microservice and error code is E429001,

Call [Lock User] microservice API via API GW to lock user.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | userInformation.userId |  |

If error response from any microservices, return error response.

1. Create Response Result

Create response result.

| **Response Parameter** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | UserInformation.userId |  |
| email | String | UserInformation.email |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| username | String | M |  | 320 | Email | Email for login VMS |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String |  |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| email | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401011 | User account locked |
| 401 | E401012 | Unsuccess registration |
| 401 | E401013 | Registration locked |
| 401 | E401014 | User account expired |
| 401 | E401015 | User account inactive |
| 404 | E404000 | Email not found |
| 404 | E404001 | User account not found |
| 429 | E429001 | Over limit interval |
| 429 | E429002 | Over limit create times |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Verify OTP API**

|  |  |
| --- | --- |
| **API Name** | Verify OTP |
| **URL** | /vms/v1/otp/verify |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Verify OTP and return user id information.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | userId format | userId | * Mandatory |
| 2 | OTP format | otp | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
| otp |  |

1. Verify OTP Information

Call [Verify OTP] microservice API via API GW to verify otp.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId |  |
| otp | String | Input parameter otp |  |

If error response from microservice and error code is E429003 (over unmatched times limit),

Call [Lock User] microservice API via API GW to lock user

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId |  |

If error response from any microservices, return error response.

Generate a random verifiedToken 64 digits and save to session.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| otp | String | M | 6 | 6 | Number |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| verifiedToken | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401002 | OTP unmatched |
| 404 | E404008 | OTP not found |
| 429 | E429003 | Exceed unmatched limit times |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Register User Account Detail API**

|  |  |
| --- | --- |
| **API Name** | Register User Account Detail |
| **URL** | /vms/v1/users/{userId}/register |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Register User Account Detail information.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Email format | username | * A-Z, a-z, 0-9 * Special Characters * Must have at least @ sign * Must have a point |
| 2 | First name format | firstname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 3 | Last name format | lastname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 4 | Phone number format | phoneNumber | * 9 digits number |
| 5 | Password format | password | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |
| 6 | verifiedToken format | verifiedToken | * Mandatory, 64 digits |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | username | E400004 | username |
| firstname | firstname |
| lastname | lastname |
| phonenumber | phonenumber |
| password | password |

1. Register User Details

If input parameter verifiedToken is not same as Session verifiedToken, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 500 | E500100 |  |

Remove verifiedToken from session.

Call [Register User Details] microservice API via API GW to register user details.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| userId | | String | Input path parameter userId | Path parameter |
| password | | String | Input parameter password |  |
| firstname | | String | Input parameter firstname |  |
| lastname | | String | Input parameter lastname |  |
| phoneNumber | | String | Input parameter phoneNumber |  |
| profileImage | | String | DEFAULT\_CUSTOMER\_PROFILE\_IMAGE |  |
| uniqueCheck | | Array |  |  |
|  | inputField | String | “phoneNumber” |  |
|  | dbField | String | “phoneNumber” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| username | String | M |  |  |  |  |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| phoneNumber | String | M |  |  |  |  |
| password | String | M |  |  |  |  |
| verifiedToken | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 404 | E404001 | User not found |
| 409 | E409001 | Duplication error (email, or phone number) |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Reset Password API**

|  |  |
| --- | --- |
| **API Name** | Reset Password |
| **URL** | /vms/v1/users/{userId}/reset\_password |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Reset password of the specified user.

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | userId format | userId | * Mandatory |
| 2 | Password format | password | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |
| 3 | Token format | verifiedToken | * Mandatory * 64 Digits |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
|  | password | password |
|  | verifiedToken | verifiedToken |

1. Reset Password

If input parameter verifiedToken is not same as Session verifiedToken, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 500 | E500100 |  |

Remove verifiedToken from session.

Call [Reset User Password] microservice API via API GW to reset user password.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input path parameter userId | Path parameter |
| password | String | Input parameter password |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| password | String | M |  |  | Number |  |
| verifiedToken | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Change Password API**

|  |  |
| --- | --- |
| **API Name** | Change Password |
| **URL** | /vms/v1/users/change\_password |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Change password of the specified user.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Password format | oldPassword | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |
| 2 | Password format | newPassword | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | oldPassword | E400004 | oldPassword |
|  | newPassword | newPassword |

1. Change Password

Call [Change User Password] microservice API via API GW to change user password.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| oldPassword | String | Input parameter oldPassword |  |
| newPassword | String | Input parameter newPassword |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| oldPassword | String | M |  |  |  |  |
| newPassword | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E400000 | Unauthenticated |
| 401 | E401001 | ID/Pass authorization error |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Close Account API**

|  |  |
| --- | --- |
| **API Name** | Close Account |
| **URL** | /vms/v1/users/close |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Close my account.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Close Account

Call [Close User] microservice API via API GW to mark close user.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |

If error response from microservice, return error response.

Call [Change My Projects Status] microservice API via API GW to get change projects status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| status | String | “Pending” |  |
| statusEvent | String | “User\_Close\_Account” |  |
| oldStatus | String | “Draft” |  |

If error response from microservice, return error response.

Call [Cancel My Approve Website Requests] microservice API via API GW to cancel approve websites request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| ownerId | String | Session userId | Path parameter |
| statusEvent | String | “User\_Close\_Account” |  |

If error response from microservice, return error response.

Call [Change My Websites Status] microservice API via API GW to change websites status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| status | String | “Inactive” |  |
| statusEvent | String | “User\_Close\_Account” |  |
| oldStatus | String | “Active” |  |

If error response from microservice, return error response.

TODO: clarify detail Cauldron spec to stop destination web with AIS

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E400000 | Unauthenticated |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Logout API**

|  |  |
| --- | --- |
| **API Name** | Logout |
| **URL** | /vms/v1/users/logout |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Invalidate Session Information to logout.

1. Invalidate Session Information
2. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Package Info API**

|  |  |
| --- | --- |
| **API Name** | Get Package Info |
| **URL** | /vms/v1/users/package |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get package information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Search Package Information

Call [Get Latest Package] microservice API via API GW to get the latest package information of session userName.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| username | String | Session userName | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| packageId | String | M |  |  |  |  |
| packageName | String | M |  |  |  |  |
| startDateTime | String | M |  |  |  |  |
| expiredDateTime | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthenticated |
| 404 | E404009 | Package not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get All Templates API**

|  |  |
| --- | --- |
| **API Name** | Get All Template |
| **URL** | /vms/v1/templates |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get all template themes.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Search All Template Information

Call [Get All Template Themes] microservice API via API GW to get all templates for session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter userId |

If error response from microservice, return error response.

1. Create Response Data

Create response data as follow.

| **Response Data** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| templates | | Array |  |  |
|  | themeId | String | TemplateInfo.themeId |  |
|  | themeName | String | TemplateInfo.themeName |  |
|  | description | String | TemplateInfo.description |  |
|  | thumbnail | String | TemplateInfo.thumbnail |  |
|  | websiteDataId | String | TemplateInfo.websiteDataId |  |
|  | isMyTemplate | Boolean | TemplateInfo.isMyTemplate |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| templates | | Array | M |  |  |  |  |
|  | themeId | String | M |  |  |  |  |
|  | themeName | String | M |  |  |  |  |
|  | description | String | M |  |  |  |  |
|  | thumbnail | String | M |  |  | Image URL |  |
|  | websiteDataId | String | M |  |  |  |  |
|  | isMyTemplate | Boolean | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get My Templates API**

|  |  |
| --- | --- |
| **API Name** | Get My Templates |
| **URL** | /vms/v1/templates/my\_templates |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get all templates of the specified user.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Search My Templates Information

Call [Get My Template Themes] microservice API via API GW to get all templates of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| templates | | Array | M |  |  |  |  |
|  | themeId | String | M |  |  |  |  |
|  | templateCd | String | M |  |  |  |  |
|  | themeName | String | M |  |  |  |  |
|  | description | String | M |  |  |  |  |
|  | thumbnail | String | M |  |  | Image URL |  |
|  | websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Add My Template API**

|  |  |
| --- | --- |
| **API Name** | Add My Template |
| **URL** | /vms/v1/templates/add\_my |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Add my template.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | themeId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | themeId | E400004 | themeId |

1. Register My Template Theme

Call [Add My Template Theme] microservice API via API GW to add my template theme for session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter Id |
| themeId | String | Input parameter themeId |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| themeId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthenticated |
| 404 | E404003 | Theme not found |
| 409 | E409001 | Duplicate template theme error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Remove My Template API**

|  |  |
| --- | --- |
| **API Name** | Remove My Template |
| **URL** | /vms/v1/templates/my\_templates/{themeId} |
| **Method** | DELETE |
| **Short Code** |  |

## **Processing Overview**

Remove my template.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | themeId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | themeId | E400004 | themeId |

1. Remove My Template Theme

Call [Remove My Template Theme] microservice API via API GW to remove template theme for session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter Id |
| themeId | String | Input parameter themeId |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| themeId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthenticated |
| 404 | E404003 | Theme not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Template Theme API**

|  |  |
| --- | --- |
| **API Name** | Get Template Theme |
| **URL** | /vms/v1/templates/themes/{themeId} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get template theme information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Get Template Theme Information

Call [Get Theme] microservice API via API GW to get template theme information of specified themeId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| themeId | String | Input parameter themeId | Path parameter themeId |

If error response from microservice, return error response.

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| themeId | String |  |  |
| templateCd | String |  |  |
| themeName | String |  |  |
| description | String |  |  |
| websiteDataId | String |  |  |
| status | String |  |  |
| thumbnail | String |  |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| themeId | String | M |  |  |  |  |
| templateCd | String | M |  |  |  |  |
| themeName | String | M |  |  |  |  |
| description | String | M |  |  |  |  |
| websiteDataId | String | M |  |  |  |  |
| status | String | M |  |  |  |  |
| thumbnail | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthenticated |
| 404 | E404003 | Theme not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Search My Projects API**

|  |  |
| --- | --- |
| **API Name** | Search My Projects |
| **URL** | /vms/v1/projects/search |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Search my projects.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Project name format | searchWord | * A-Z, a-z, 0-9 * Not Thai or special characters * Max length 20 characters |
| 2 | Page No format | pageNo | * Number >= 1 |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | searchWord | E400004 | searchWord |
| pageNo | pageNo |

1. Search My Projects

Call [Search My Projects] microservice API via API GW to search projects of session userId.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| userId | | String | Session userId | Path parameter |
| searchWord | | String | Input parameter searchWord |  |
| pageNo | | Number | Input parameter pageNo |  |
| pageSize | | Number | PAGE\_SIZE |  |
| sorts | | Array |  |  |
|  | orderBy | String | “lastUpdated” |  |
|  | order | String | DESC |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  | Project Name or Status |
| pageNo | Number | O |  |  |  | Default Page No is 1 |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| totalRecordNo | | Number | M |  |  |  |  |
| maxPageNo | | Number | M |  |  |  |  |
| projects | | Array | M |  |  |  | Sort by lastUpdated, 20 |
|  | projectId | String | M |  |  |  |  |
|  | projectName | String | M |  |  |  |  |
|  | status | String | M |  |  | Draft, Pending |  |
|  | lastUpdated | String | M |  |  | Datetime |  |
|  | thumbnail | String | M |  |  |  | URL of thumbnail |
|  | websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Search My Projects Suggestion API**

|  |  |
| --- | --- |
| **API Name** | Search My Projects Suggestion |
| **URL** | /vms/v1/projects/suggestion |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Search my projects suggestion.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Project name format | searchWord | * A-Z, a-z, 0-9 * Not Thai or special characters * Max length 20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | searchWord | E400004 | searchWord |

1. Search My Projects Suggestion

Call [Search My Projects Suggestion] microservice API via API GW to search projects of session userId.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| userId | | String | Session userId | Path parameter |
| searchWord | | String | Input parameter searchWord |  |
| suggestSize | | String | SUGGEST\_SIZE |  |
| sorts | | Array |  |  |
|  | orderBy | String | “lastUpdated” |  |
|  | order | String | “DESC” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  | Project Name or Status |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| projects | | Array | M |  |  |  | Sort by lastUpdated, 5 records? |
|  | projectId | String | M |  |  |  |  |
|  | projectName | String | M |  |  |  |  |
|  | status | String | M |  |  | Draft, Pending |  |
|  | domain | String | M |  |  |  |  |
|  | contextRoot | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Create Project API**

|  |  |
| --- | --- |
| **API Name** | Create Project |
| **URL** | /vms/v1/projects |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Create project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | themeId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Project Name format | projectName | * A-Z, a-z, 0-9 * Not Thai or special characters * 1~20 characters |
| 3 | themeConfig format | themeConfig | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | themeId | E400004 | themeId |
|  | projectName | projectName |
|  | themeConfig |  | themeConfig |

1. Check if Same Project Name Exists

Call [Search My Project by Name] microservice API via API GW to project information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response from microservice, return following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

Call [Search My Website by Name] microservice API via API GW to website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response from microservice, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

1. Get Specified Theme Information

Call [Get Theme] microservice API via API GW to theme information.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| themeId | String | Input parameter themeId |  |

If error response from microservice, return error response.

1. Create Project Website Data By Copying The Website Data of Specified Theme

Call [Duplicate Website Data] microservice API via API GW to copy the website data.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Input parameter websiteDataId |  |
| themeConfig | String | Input parameter themeConfig |  |

If error response from microservice, return error response.

1. Create Project Information

Create project information as follow.

| **Table Column** | **Setting Value** | **Description** |
| --- | --- | --- |
| projects.projectName | Input parameter projectName |  |
| projects.websiteDataId | websiteDataId of website data created for the project |  |

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId after creating project |  |
| projectName | String | Input parameter projectName |  |
| status | String | status after creating project |  |
| lastUpdated | String | lastUpdate after creating project |  |
| thumbnail | String | thumbnail after creating project |  |
| websiteDataId | String | websiteDataId after creating project |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectName | String | M |  |  |  |  |
| themeId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |
| status | String | M |  |  | Draft, Pending |  |
| lastUpdated | String | M |  |  | Datetime |  |
| thumbnail | String | M |  |  |  |  |
| websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 201 | - | Successfully created |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 409 | E409001 | Same project exist error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Duplicate Project API**

|  |  |
| --- | --- |
| **API Name** | Duplicate Project |
| **URL** | /vms/v1/projects/duplicate |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Duplicate project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Project Name format | projectName | * A-Z, a-z, 0-9 * Not Thai or special characters * 1~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |
| projectName | projectName |

1. Check if Same Project Name Exists

Call [Search My Project by Name] microservice API via API GW to project information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response from microservice, return following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

Call [Search My Website by Name] microservice API via API GW to website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response from microservice, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

1. Get Source Project Information

Call [Get Project] microservice API via API GW to project information of specified projectId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Create Project Website Data By Copying The Website Data of Source Project

Call [Duplicate Website Data] microservice API via API GW to copy the website data.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Source projects.websiteDataId |  |

If error response from microservice, return error response.

1. Create Project Information

Call [Create Project] microservice API via API GW to create project for session userId.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId |  |
| projectName | String | Input parameter projectName |  |
| websiteDataId | String | websiteDataId duplicated above |  |
| thumbnail | String | thumbnail of source project |  |

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId created above |  |
| projectName | String | projectName created above |  |
| status | String | status created above |  |
| lastUpdated | String | lastUpdated created above |  |
| thumbnail | String | thumbnail created above |  |
| websiteDataId | String | websiteDataId created above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |
| status | String | M |  |  | Draft, Pending |  |
| lastUpdated | String | M |  |  | Datetime |  |
| thumbnail | String | M |  |  |  |  |
| websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 201 | - | Successfully created |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 409 | E409001 | Same project exists error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Delete Project API**

|  |  |
| --- | --- |
| **API Name** | Delete Project |
| **URL** | /vms/v1/projects/{projectId} |
| **Method** | DELETE |
| **Short Code** |  |

## **Processing Overview**

Delete project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |

1. Get Project Information

Call [Get Project] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Logically Delete The Specified Project Information

Call [Change Project Status] microservice API via API GW to change project status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| status | String | “Delete” |  |

If error response from microservice, return error response.

1. Logically Delete The Specified Website Data Information

Call [Change Website Data Status] microservice API via API GW to change website data status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | websiteDataId received above | Path parameter |
| status | String | “Delete” |  |

If error response from microservice, return error response.

1. Logically Delete The Destination Web Admin Information

If websiteId of specified project is null and destinationAdminId is not null,

Call [Change Destination Admin Status] microservice API via API GW to change destination admin status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| destinationAdminId | String | destinationAdminId received above | Path parameter |
| status | String | “Delete” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully deleted |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Rename Project API**

|  |  |
| --- | --- |
| **API Name** | Rename Project |
| **URL** | /vms/v1/projects/{projectId}/rename |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Rename project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Project Name | projectName | * A-Z, a-z, 0-9 * Not Thai or special characters * 1~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |
| projectName | projectName |

1. Get Source Project Information

Call [Get Project] microservice API via API GW to project information of specified projectId.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Check if Same Project Name Exists

Call [Search My Website by Name] microservice API via API GW to website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response and specified project websiteId is not same as this response websiteId, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

1. Rename Project Name

Call [Rename Project] microservice API via API GW to change project name.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| projectName | String | Input parameter projectName |  |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully renamed |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 409 | E409001 | Duplicate project name error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Publish Project API**

|  |  |
| --- | --- |
| **API Name** | Publish Project |
| **URL** | /vms/v1/projects/my/{projectId}/publish |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Publish project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |

1. Get Specified Project Information

Call [Get Project] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId | Request parameter |

If error response from microservice, return error response.

If the project status not equal to “Draft” or destinationAdminId is null return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. Judge Next Action

| **Condition** |  | **Action** | |
| --- | --- | --- | --- |
| **APPROVE\_CONFIG** | **Publish Date Time** | **Create Approve Request** | **Launch** |
| ON | - | Yes | Not Yet |
| Off | Null or <= Current Date Time | Yes | Immediate |
|  | > Current Date Time | Yes | Schedule |

1. Create Approve Request Action

Call [Change Project Status] microservice API via API GW to change project status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| project | String | Input parameter projectId | Path parameter |
| status | String | “Pending” |  |
| statusEvent | String | “User\_Request\_Publish” |  |

If error response from microservice, return error response.

Call [Duplicate Website Data] microservice API via API GW to copy the website data.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Specified projects.websiteDataId | Path parameter |

If error response from microservice, return error response.

If session user additionalInfo.numberOfWebsites equal 0,

Call [Update Approve Website Owner] microservice API via API GW to create website owner.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| ownerId | String | Session userId | Path parameter |
| firstname | String | Session firstname |  |
| lastname | String | Session lastname |  |
| username | String | Session username |  |

If error response from microservice, return error response.

Call [Create Approve Website Request] microservice API via API GW to create approve request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Specified projects.projectId |  |
| projectName | String | Specified projects.projectName |  |
| lastUpdated | String | Specified projects.lastUpdated |  |
| thumbnail | String | Specified projects.thumbnail |  |
| ownerId | String | session userId |  |
| statusEvent | String | “User\_Request\_Publish” |  |
| websiteDataId | String | Specified projects.websiteDataId |  |
| domain | String | Specified projects.domain |  |
| namespace | String | Specified projects.namespace |  |
| contextRoot | String | Specified projects.contextRoot |  |
| publishDateTime | String | Specified projects.publishDateTime |  |
| websiteId | String | Specified projects.websiteId |  |
| version | String | Specified projects.version |  |
| destinationAdminId | String | Specified projects.destinationAdminId |  |

If error response from microservice, return error response.

1. Launch Immediate Action

Call [Change Approve Website Status] microservice API via API GW to change status to approve.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | approveWebsiteId received above | Path parameter |
| status | String | “Approve” |  |
| statusEvent | String | “Admin\_Review\_Approve” |  |

If error response from microservice, return error response.

1. Launch Schedule Action

Call [Change Approve Website Status] microservice API via API GW to change status to approve.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | approveWebsiteId received above | Path parameter |
| status | String | “Approve” |  |
| statusEvent | String | “Admin\_Review\_Approve” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| launch | String | M |  |  | - Not Yet  - Immediate  - Schedule |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully renamed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 404 | E404005 | Website not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Unpublish Project API**

|  |  |
| --- | --- |
| **API Name** | Unpublish Project |
| **URL** | /vms/v1/projects/{projectId}/unpublish |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Unpublish project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |

1. Get Specified Project Information

Call [Get Project] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

If project status not equal to “Pending” return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. Cancel Approve Website Request

Call [Cancel Approve Website Request] microservice API via API GW to cancel approve request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Specified projectId | Path parameter |
| statusEvent | String | “User\_Request\_Unpublish” |  |

If error response from microservice, return error response.

1. Change The Project Status

Call [Change Project Status] microservice API via API GW to change project status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| status | String | “Draft” |  |
| statusEvent | String | “User\_Request\_Unpublish” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully renamed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Publish Domain API**

|  |  |
| --- | --- |
| **API Name** | Get Publish Domain |
| **URL** | /vms/v1/projects/{projectId}/domain |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get Publish Domain project.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |

1. Check if The Specified Project Exists

Call [Get Project] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

If the project not found or status does not equal to “Pending” , return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. If project still does not have ContextRoot, Get suggestion value.

Call [Generate Suggestion ContextRoot] microservice API via API GW to generate context root information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId |  |
| email | String | Session email (username) |  |
| projectName | String | projectName received above |  |

If error response from microservice, return error response.

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| domain | String | domain received |  |
| namespace | String | namespace received |  |
| contextRoot | String | contextRoot received |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| domain | String | M |  |  |  |  |
| namespace | String | M |  |  |  |  |
| contextRoot | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Project Publish Domain API**

|  |  |
| --- | --- |
| **API Name** | Update Project Publish Domain |
| **URL** | /vms/v1/projects/{projectId}/domain |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update Project Publish Domain.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * Max 24 length? |
| 2 | Domain format | domain | * Mandatory |
| 3 | Namespace format | namespace | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |
|  | domain | domain |
|  | namespace |  |  |

1. Update Project Publish Information

Call [Update Project Publish Domain] microservice API via API GW to update project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| domain | String | Input parameter domain |  |
| namespace | String | Input parameter namespace |  |
| userId | String | Session userId |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| domain | String | M |  |  |  |  |
| namespace | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Project Publish Info API**

|  |  |
| --- | --- |
| **API Name** | Update Project Publish Info |
| **URL** | /vms/v1/projects/{projectId}/publish\_info |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update Publish Information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * A-Z, a-z, 0-9 * Max 64 length? |
| 2 | Context Root format | contextRoot | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |
|  | contextRoot | contextRoot |

1. Check If Project Exists

Call [Get Project] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Add website Url

If contextRoot changes, Call [Add Website URL] microservice API via API GW to add website url.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId of specified project |  |
| websiteId | String | websiteId of specified project |  |
| userId | String | Session userId |  |
| domain | String | domain of specified project |  |
| namespace | String | namespace of specified project |  |
| contextRoot | String | Input parameter contextRoot |  |

If error response from microservice, return error response.

1. Update Project Publish Information

Call [Update Project Publish Info] microservice API via API GW to update project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| contextRoot | String | Input parameter contextRoot |  |
| publishDateTime | String | Input parameter publishDateTime if have |  |

If error response from microservice, return error response.

1. Delete old Website information if have (Asynchronous)

Call [Delete Website URL] microservice API via API GW to delete old Website URL information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| websiteId | String | Input parameter websiteId |  |
| domain | String | domain of specified project |  |
| namespace | String | namespace of specified project |  |
| contextRoot | String | Old contextRoot of specified project |  |

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| nextPage | String | * “create\_admin” if the project does not have admin. * “success\_page” if the project had admin |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| contextRoot | String | M |  |  |  |  |
| publishDate | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| nextPage | String | M |  |  | * create\_admin * success\_page |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 409 | E409001 | Duplication (context root) error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Create Admin Account API**

|  |  |
| --- | --- |
| **API Name** | Create Admin Account |
| **URL** | /vms/v1/projects/{projectId}/admins |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Create admin account.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | projectId | * Mandatory * A-Z, a-z, 0-9 * Max 64 length? |
| 2 | First name format | firstname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 3 | Last name format | lastname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 4 | Email format | email | * A-Z, a-z, 0-9 * Special Characters * Must have at least @ sign * Must have a point |
| 5 | Username format | username | * A-Z, a-z, 0-9 * Special characters * No Thai * No less than 1 character and no more than 50 characters * Must not start with a number |
| 6 | Password format | password | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | projectId | E400004 | projectId |
| firstname | firstname |
| lastname | lastname |
| email | email |
| username | username |
| password | password |

1. Get Project Information

Call [Get Project] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| userId | String | Session userId | verify userId |

If error response from microservice, return error response.

If destinationAdminId of the above response is not null, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 | destinationAdminId |

1. Create Destination Admin

Call [Create Destination Admin] microservice API via API GW to create destination admin.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| firstname | String | Input parameter firstname |  |
| lastname | String | Input parameter lastname |  |
| email | String | Input parameter email |  |
| username | String | Input parameter username |  |
| password | String | Input parameter password |  |

If error response from microservice, return error response.

1. Update Project Information

Call [Assign Project Destination Admin] microservice API via API GW to set destination admin user id.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path parameter |
| destinationAdminId | String | Destination Admin Id generated above |  |

If error response from microservice, return error response.

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| destinationAdminId | String | destinationAdminId generated above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| email | String | M |  |  |  |  |
| username | String | M |  |  |  |  |
| password | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| destinationAdminId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 201 | - | Successfully created |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 409 | E409001 | Destination Admin duplication error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Search My Websites API**

|  |  |
| --- | --- |
| **API Name** | Search My Websites |
| **URL** | /vms/v1/websites/search |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Search my websites.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Project name format | searchWord | * A-Z, a-z, 0-9 * Not Thai or special characters * Max length 20 characters |
| 2 | Page No format | pageNo | * Number >= 1 |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | searchWord | E400004 | searchWord |
| pageNo | pageNo |

1. Search My Websites

Call [Search My Websites] microservice API via API GW to search websites of session userId.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| userId | | String | Session userId | Path parameter |
| searchWord | | String | Input parameter searchWord |  |
| pageNo | | Number | Input parameter |  |
| pageSize | | Number | PAGE\_SIZE |  |
| sorts | | Array |  |  |
|  | orderBy | String | “lastUpdated” |  |
|  | order | String | “DESC” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  | Project Name or Status |
| pageNo | Number | O |  |  |  | Default Page No is 1 |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| totalRecordNo | | Number | M |  |  |  |  |
| maxPageNo | | Number | M |  |  |  |  |
| websites | | Array | M |  |  |  | Sort by lastUpdated, max 20 |
|  | websiteId | String | M |  |  |  |  |
|  | projectName | String | M |  |  |  |  |
|  | status | String | M |  |  |  |  |
|  | lastUpdated | String | M |  |  | Datetime |  |
|  | thumbnail | String | M |  |  |  | URL of thumbnail |
|  | websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Search My Websites Suggestion API**

|  |  |
| --- | --- |
| **API Name** | Search My Websites Suggestion |
| **URL** | /vms/v1/websites/suggestion |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Search my websites suggestion.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Project name format | searchWord | * A-Z, a-z, 0-9 * Not Thai or special characters * Max length 20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | searchWord | E400004 | searchWord |

1. Search My Websites

Call [Search My Websites Suggestion] microservice API via API GW to search websites of session userId.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| userId | | String | Session userId | Path parameter |
| searchWord | | String | Input parameter searchWord |  |
| pageNo | | Number | Input parameter |  |
| suggestSize | | Number | SUGGEST\_SIZE |  |
| sorts | | Array |  |  |
|  | orderBy | String | “lastUpdated” |  |
|  | order | String | “DESC” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  | Project Name or Status |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| websites | | Array | M |  |  |  | Sort by lastUpdated, max 5? |
|  | websiteId | String | M |  |  |  |  |
|  | projectName | String | M |  |  |  |  |
|  | status | String | M |  |  |  |  |
|  | domain | String | M |  |  |  |  |
|  | contextRoot | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get My Website Details API**

|  |  |
| --- | --- |
| **API Name** | Get My Website Details |
| **URL** | /vms/v1/websites/{websiteId} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get my websites details.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteId | * Mandatory * A-Z, a-z, 0-9 * Maximum 64 length? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |

1. Get Website Information

Call [Get Website] microservice API via API GW to get website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Verify userId |
| websiteId | String | Input parameter websiteId | Path parameter |
| versionLimit | Number | VERSION\_LIMIT |  |

If error response from microservice, return error response.

1. Check If Website Is Being Edited

Call [Get Project of Website] microservice API via API GW to get project of editing website.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |

If error response from microservice other than E404004, return error response.

If error E404004, not version is editing.

If success response, the response version is editing.

1. Create Response Data

Create response data as follow.

| **Response Data** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| domain | | String | domain received above |  |
| contextRoot | | String | contextRoot received above |  |
| startDate | | String | startDate received above |  |
| expiredDate | | String | expiredDate received above |  |
| websiteVersions | | Array |  |  |
|  | version | String | version received above |  |
|  | launchDateTime | String | launchDateTime received above |  |
|  | isEditing | Boolean | isEditing calculated above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| email | | String | M |  |  |  |  |
| domain | | String | M |  |  |  |  |
| contextRoot | | String | M |  |  |  |  |
| startDate | | Datetime | M |  |  |  |  |
| expiredDate | | Datetime | M |  |  |  |  |
| websiteVersions | | List | M |  |  |  | Sort by version desc, max 2 records |
|  | version | String | M |  |  |  |  |
|  | launchDateTime | Datetime | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404005 | Website not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update My Website Status API**

|  |  |
| --- | --- |
| **API Name** | Update My Website Status |
| **URL** | /vms/v1/websites/{websiteId}/status |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update my website status.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Status format | status | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |
| status | status |

1. Search Website Information Using Input Parameter WebsiteId

Call [Get Website] microservice API via API GW to get website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Return Error Response If Any Following Matches

| **Website Information** | | **Response Result** |  | |  |
| --- | --- | --- | --- | --- | --- |
| **Current Status** | **New Status** | **HTTP Code** | **Error Code** | **Embedded String** | |
| Ban or Terminate | - | 500 | E500100 |  | |

1. Check If Have Editing Project Of Website

Call [Get Project of Website] microservice API via API GW to get editing project of website.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |

If error response other than E404004 from microservice, return error response.

If project found, and input parameter status is Delete, return following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409002 | website |

1. Change To Active

If current website status is inactive,

Call [Change Website Status] microservice API via API GW to change website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |
| status | String | “Active” |  |
| statusEvent | String | “User\_Active\_Website” |  |

If error response from microservice, return error response.

TODO: Clarify Cauldron spec to resume destination web/server on Cauldron.

1. Change To Inactive

If current website status is active,

Call [Change Website Status] microservice API via API GW to change website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |
| status | String | “Inactive” |  |
| statusEvent | String | “User\_Inactive\_Website” |  |

If error response from microservice, return error response.

TODO: Clarify Cauldron spec to stop destination web/server on Cauldron.

1. Change To Delete

Call [Change Website Status] microservice API via API GW to change website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |
| status | String | “Delete” |  |
| statusEvent | String | “User\_Delete\_Website” |  |

If error response from microservice, return error response.

TODO: Clarify Cauldron spec to delete destination web/server on Cauldron.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| status | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404005 | Website not found |
| 409 | E409002 | Website is being edited |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update My Website Publish Info API**

|  |  |
| --- | --- |
| **API Name** | Update My Website Publish Info API |
| **URL** | /vms/v1/websites/{websiteId}/publish\_info |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update my website publish information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Context Root format | contextRoot | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |
| contextRoot | contextRoot |

1. Get The Website Information

Call [Get Website] microservice API via API GW to get website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Get Editing Project If Exists

Call [Get Project of Website] microservice API via API GW to get editing project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |

If error response other than E404004 from microservice, return error response.

1. Add website Url

If contextRoot changes, Call [Add Website URL] microservice API via API GW to add website url.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Null |  |
| websiteId | String | websiteId of specified website |  |
| userId | String | Session userId |  |
| domain | String | domain of specified website |  |
| namespace | String | namespace of specified website |  |
| contextRoot | String | Input parameter contextRoot |  |

If error response from microservice, return error response.

1. Call XXX API To Update Context Root

TODO: Need information about API to update domain/contextRoot and IP Address mapping.

1. Update Context Root

Call [Update Website Publish Info] microservice API via API GW to update website publish information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |
| contextRoot | String | Input parameter contextRoot |  |

If error response from microservice, return error response.

1. Delete old Website information if have (Asynchronous)

Call [Delete Website URL] microservice API via API GW to delete old Website URL information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Null |  |
| websiteId | String | Input parameter websiteId |  |
| domain | String | domain of specified website |  |
| namespace | String | namespace of specified website |  |
| contextRoot | String | Old contextRoot of specified website |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| websiteId | String | M |  |  |  | Website Id |
| contextRoot | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthorized |
| 404 | E404001 | Forbidden if userId not same as session info |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Duplicate My Website API**

|  |  |
| --- | --- |
| **API Name** | Duplicate My Website |
| **URL** | /vms/v1/webistes/duplicate |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Duplicate my website.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Project Name format | projectName | * A-Z, a-z, 0-9 * Not Thai or special characters * 1~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |
| projectName | projectName |

1. Check if Same Project Name Exists

Call [Search My Project by Name] microservice API via API GW to project information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response from microservice, return following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

Call [Search My Website by Name] microservice API via API GW to website information of session userId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId | Path parameter |
| projectName | String | Input parameter projectName |  |

If success response from microservice, return the following error.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 |  |

If error response from microservice, other than E404004 return error response.

1. Get Source Website Information

Call [Get Website] microservice API via API GW to website information of specified websiteId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Create Project Website Data By Copying The Website Data of Source Website

Call [Duplicate Website Data] microservice API via API GW to copy the website data.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Source websites.websiteDataId |  |

If error response from microservice, return error response.

1. Create Project Information

Call [Create Project] microservice API via API GW to create project for session userId.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId |  |
| projectName | String | Input parameter projectName |  |
| websiteDataId | String | websiteDataId duplicated above |  |
| thumbnail | String | thumbnail of source website |  |

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId created above |  |
| projectName | String | projectName created above |  |
| status | String | status created above |  |
| lastUpdated | String | lastUpdated created above |  |
| thumbnail | String | thumbnail created above |  |
| websiteDataId | String | websiteDataId created above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| websiteId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |
| status | String | M |  |  | Draft |  |
| lastUpdated | String | M |  |  | Datetime |  |
| thumbnail | String | M |  |  |  |  |
| websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 201 | - | Successfully created |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404005 | Website not found |
| 409 | E409001 | Duplicate project name error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Edit My Website API**

|  |  |
| --- | --- |
| **API Name** | Edit Website |
| **URL** | /vms/v1/webistes/edit |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Edit my website.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Version format | version | * MajorNumber.0.0 (Where MajorNumber >= 1) |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |

1. Check if The Website Is Being Edited

Call [Get Project of Website] microservice API via API GW to editing project information of specified websiteId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| userId | String | Session userId |  |

If error response other than E404004 from microservice, return error response.

If success response from microservice return following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404005 |  |

1. Get The Website Information

Call [Get Website Version] microservice API via API GW to get website version information of specified websiteId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| version | String | Input parameter version | Path parameter |
| userId | String | Session userId |  |

If error response from microservice, return error response.

1. Create Project Website Data By Copying The Website Data of Source Website Version

Call [Duplicate Website Data] microservice API via API GW to copy the website data.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Source website\_versions.websiteDataId |  |

If error response from microservice, return error response.

1. Create Project Information

Call [Create Project] microservice API via API GW to create project for session userId.

Set the following Path Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Session userId |  |
| projectName | String | Source website\_versions.projectName |  |
| websiteDataId | String | websiteDataId duplicated above |  |
| domain | String | Source website\_versions.domain |  |
| contextRoot | String | Source website\_versions.contextRoot |  |
| destinationAdminId | String | Source website\_versions.destinationAdminId |  |
| websiteId | String | Input parameter wesiteId |  |
| version | String | Input parameter version |  |
| thumbnail | String | thumbnail of source website\_versions |  |

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId created above |  |
| projectName | String | projectName created above |  |
| status | String | status created above |  |
| lastUpdated | String | lastUpdated created above |  |
| thumbnail | String | thumbnail created above |  |
| websiteDataId | String | websiteDataId created above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| websiteId | String | M |  |  |  |  |
| version | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| projectId | String | M |  |  |  |  |
| projectName | String | M |  |  |  |  |
| status | String | M |  |  | Draft |  |
| lastUpdated | String | M |  |  | Datetime |  |
| thumbnail | String | M |  |  |  |  |
| websiteDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 201 | - | Successfully created |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404005 | Website not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Website Data API**

|  |  |
| --- | --- |
| **API Name** | Get Website Data API |
| **URL** | /vms/v1/websitedata/{websiteDataId} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get website data.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteDataId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteDataId | E400004 | websiteDataId |

1. Get Website Data Information

Call [Get Website Data] microservice API via API GW to get website data of specified websiteDataId.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Input parameter websiteDataId | Path parameter |

If error response from microservice, return error response.

1. Create Response Data

Create response data as follow.

| **Response Data** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| themeId | | String | themeId received above |  |
| themeConfig | | String | themeConfig received above |  |
| templateCd | | String | templateCd received above |  |
| thumbnail | | String | thumbnail received above |  |
| pages | | Array |  |  |
|  | pageDataId | String | pageDataId received above |  |
|  | pageType | String | pageType received above |  |
|  | pageName | String | pageName received above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| themeId | | String | M |  |  |  |  |
| themeConfig | | String | M |  |  |  | Json |
| templateCd | | String | M |  |  |  |  |
| thumbnail | | String | M |  |  |  |  |
| pages | | Array | M |  |  |  |  |
|  | pageDataId | String | M |  |  |  |  |
|  | pageType | String | M |  |  |  |  |
|  | pageName | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 403 | E404006 | Website not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Website Data API**

|  |  |
| --- | --- |
| **API Name** | Get Website Data API |
| **URL** | /vms/v1/websitedata/{websiteDataId} |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update website data.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteDataId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Id format | themeId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |
|  | themeId | themeId |

1. Check if The Website Data Exists

Call [Get Project by Website Data] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Input parameter websiteDataId | Path parameter |
| userId | String | Session userId | Query parameter |

If error response from microservice, return error response.

If project status not equal to “Draft”, return the following error response result.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. Update Website Data Information

Call [Get Project by Website Data] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Input parameter websiteDataId | Path parameter |
| themeId | String | Input parameter themeId |  |
| themeConfig | String | Input parameter themeConfig if have |  |

If error response from microservice, return error response.

1. Update Project Last Updated

Call [Update Project Last Updated] microservice API via API GW to update project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId received above | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| themeId | String | M |  |  |  |  |
| themeConfig | String | O |  |  |  | Json |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 404 | E404006 | Website Data not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Page Data API**

|  |  |
| --- | --- |
| **API Name** | Get Page Data API |
| **URL** | /vms/v1/pagedata/{pageDataId} |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Get Page data.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | pageDataId | * A-Z, a-z, 0-9 * 24 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | pageDataId | E400004 | pageDataId |

1. Get Page Data Information

Call [Get Page Data] microservice API via API GW to get page data information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageDataId | String | Input parameter pageDataId | Path parameter |

If error response from microservice, return error response.

1. Create Response Data

Create response data as follow.

| **Response Data** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageType | String | pageType received above |  |
| pageName | String | pageName received above |  |
| pageConfig | String | pageConfig received above | Json |
| widgets | String | widgets received above | Array Json |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| pageType | String | M |  |  |  | Page Type |
| pageName | String | M |  |  |  | Page name |
| pageConfig | String | O |  |  |  | Json String |
| widgets | String | M |  |  |  | Array Json String |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404007 | Page data not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Create Page Data API**

|  |  |
| --- | --- |
| **API Name** | Create Page Data API |
| **URL** | /vms/v1/pagedata |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Create page data.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteDateId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Page Name format | pageName | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteDataId | E400004 | websiteDataId |
|  | pageName | pageName |

1. Get Project Information

Call [Get Project by Website Data] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | websiteDataId received above | Path parameter |
| userId | String | Session userId | Query parameter |

If error response from microservice, return error response.

If project status not equal to “Draft”, return the following error response result.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. Create Page Data Information

Call [Create Page Data] microservice API via API GW to create page data information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Input parameter websiteDataId | Path parameter |
| pageName | String | Input parameter pageName |  |
| pageConfig | String | Input parameter pageConfig if have value |  |
| widgets | String | Input parameter widgets if have value |  |

If error response from microservice, return error response.

1. Update Project Last Updated

Call [Update Project Last Updated] microservice API via API GW to update project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId received above | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| websiteDataId | String | M |  |  |  | Page name |
| pageName | String | M |  |  |  |  |
| pageConfig | String | O |  |  |  |  |
| widgets | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| pageDataId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 404 | E404007 | Page data not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Page Data API**

|  |  |
| --- | --- |
| **API Name** | Get Page Data API |
| **URL** | /vms/v1/pagedata/{pageDataId} |
| **Method** | PUT |
| **Short Code** |  |

## **Processing Overview**

Update page data.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | pageDataId | * A-Z, a-z, 0-9 * 1~64 characters? |
| 2 | Page Name format | pageName | * Mandatory |
| 3 | Page Config format | pageConfig | * Mandatory |
| 4 | Widgets format | widgets | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | pageDataId | E400004 | pageDataId |
| pageName | pageName |
| pageConfig | pageConfig |
| widgets | widgets |

1. Check if The Page Data Exists

Call [Get Page Data] microservice API via API GW to get page data information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageDataId | String | Input parameter pageDataId | Path parameter |

If error response from microservice, return error response.

Call [Get Project by Website Data] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | websiteDataId received above | Path parameter |
| userId | String | Session userId | Query parameter |

If error response from microservice, return error response.

If project status not equal to “Draft”, return the following error response result.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. Update Page Data Information

Call [Update Page Data] microservice API via API GW to update page data information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageDataId | String | Input parameter pageDataId | Path parameter |
| pageName | String | Input parameter pageName |  |
| pageConfig | String | Input parameter pageConfig if have |  |
| widgets | String | Input parameter widgets if have |  |

If error response from microservice, return error response.

1. Update Project Last Updated

Call [Update Project Last Updated] microservice API via API GW to update project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId received above | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| pageName | String | M |  |  |  | Page name |
| pageConfig | String | O |  |  |  |  |
| widgets | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 404 | E404007 | Page data not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Delete Page Data API**

|  |  |
| --- | --- |
| **API Name** | Delete Page Data API |
| **URL** | /vms/v1/pagedata/{pageDataId} |
| **Method** | DELETE |
| **Short Code** |  |

## **Processing Overview**

Delete page data.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | pageDataId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | pageDataId | E400004 | pageDataId |

1. Check if The Page Data Exists

Call [Get Page Data] microservice API via API GW to get page data information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageDataId | String | Input parameter pageDataId | Path parameter |

If error response from microservice, return error response.

Call [Get Project by Website Data] microservice API via API GW to get project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | websiteDataId received above | Path parameter |
| userId | String | Session userId | Query parameter |

If error response from microservice, return error response.

If project status not equal to “Draft”, return the following error response result.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404004 |  |

1. Logically Delete Page Data Information

Call [Change Page Data Status] microservice API via API GW to update page data information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageDataId | String | Input parameter pageDataId | Path parameter |
| status | String | “Delete” |  |

If error response from microservice, return error response.

1. Update Project Last Updated

Call [Update Project Last Updated] microservice API via API GW to update project information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId received above | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404004 | Project not found |
| 404 | E404007 | Page data not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Report Information API**

|  |  |
| --- | --- |
| **API Name** | Get Report Information |
| **URL** | /vms/v1/reports |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get report information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Calculate Total Account

Call [Count Users by Date] microservice API via API GW to count total accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |

If error response from microservice, return error response.

1. Calculate Total Today New Accounts

Call [Count Users by Date] microservice API via API GW to count today new accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |
| fromDate | String | Today | Query parameter |
| toDate | String | Today | Query parameter |

If error response from microservice, return error response.

1. Calculate Total This Week New Accounts

Call [Count Users by Date] microservice API via API GW to count this week new accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |
| fromDate | String | This week’s start date | Query parameter |
| toDate | String | This week’s end date | Query parameter |

If error response from microservice, return error response.

1. Calculate Total This Month New Accounts

Call [Count Users by Date] microservice API via API GW to count total this week new accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |
| fromDate | String | This week’s start date | Query parameter |
| toDate | String | This week’s end date | Query parameter |

If error response from microservice, return error response.

1. Calculate Total Active Accounts

Call [Count Users by Status] microservice API via API GW to count total active accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |
| status | String | “Active” | Query parameter |

If error response from microservice, return error response.

1. Calculate Total Inactive Accounts

Call [Count Users by Status] microservice API via API GW to count total inactive accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |
| status | String | “Inactive” | Query parameter |

If error response from microservice, return error response.

1. Calculate Total Expired Accounts

Call [Count Users by Status] microservice API via API GW to count total expired accounts.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| type | String | CUSTOMER\_USER\_TYPE | Query parameter |
| status | String | “Expired” | Query parameter |

If error response from microservice, return error response.

1. Calculate Total Waiting For Approve Projects

Call [Count Approve Websites by Status] microservice API via API GW to count total pending approve projects.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Pending” | Query parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| totalAccount | Number | M |  |  |  |  |
| todayNewAccount | Number | M |  |  |  |  |
| thisweekNewAccount | Number | M |  |  |  |  |
| thisMonthNewAccount | Number | M |  |  |  |  |
| activeAccount | Number | M |  |  |  |  |
| inactiveAccount | Number | M |  |  |  |  |
| expiredAccount | Number | M |  |  |  |  |
| waitingApproveProject | Number | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Customer Profile List API**

|  |  |
| --- | --- |
| **API Name** | Get Customer Profile List |
| **URL** | /vms/v1/customers/search |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Get customer profile list.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Status format | status | * All, Inactive, Active |
| 2 | Page Size format | pageSize | * Number |
| 3 | Page No format | pageNo | * Number |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | status | E400004 | status |
|  | pageSize | pageSize |
|  | pageNo | pageNo |

1. Search Customer Profile List

Call [Search Users] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| searchWord | | String | Input parameter searchWord |  |
| searchFields | | Array | “username” |  |
| filters | |  |  |  |
|  | field | String | “status” | Set if input parameter status not equal “All” |
|  | value | String | Input parameter status | Set if input parameter status not equal “All” |
|  | field | String | “type” |  |
|  | value | String | CUSTOMER\_USER\_TYPE |  |
| returnOptionFields | | Array | “startDate”, “expiredDate”, “additionalInfo” |  |
| sorts | | Array |  |  |
|  | orderBy | String |  |  |
|  | order | String |  |  |
| pageSize | | Number | Input parameter pageSize |  |
| pageNo | | Number | Input parameter pageNo |  |

If error response from microservice, return error response.

1. Create Response Result

| **Response Parameter** | | **Setting Value** | **Remarks** |
| --- | --- | --- | --- |
| totalRecordNo | | totalRecordNo receive above |  |
| maxPageNo | | maxPageNo receive above |  |
| customers | |  |  |
|  | userId | userId receive above |  |
|  | email | email received above |  |
|  | website | additionalInfo.numberOfWebsites received above |  |
|  | startDateTime | startDateTime received above |  |
|  | expiredDateTime | expiredDateTime received above |  |
|  | status | status received above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  |  |
| status | String | O |  |  | All, Active, Inactive | Not specified, search all |
| pageSize | Number | M |  |  |  |  |
| pageNo | Number | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| totalRecordNo | | Number | M |  |  |  |  |
| maxPageNo | | Number | M |  |  |  |  |
| customers | | Array | M |  |  |  |  |
|  | userId | String | M |  |  |  |  |
|  | email | String | M |  |  |  |  |
|  | website | Number | M |  |  |  |  |
|  | startDate | String | M |  |  | Date |  |
|  | expiredDate | String | M |  |  | Date |  |
|  | status | String | M |  |  | Active, Inactive |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Customer Information API**

|  |  |
| --- | --- |
| **API Name** | Get Customer Information |
| **URL** | /vms/v1/customers/{userId} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get customer information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |

1. Search Customer Information

Call [Get User by UserId] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |

If error response from microservice, return error response.

If user type received not equal to CUSTOMER\_USER\_TYPE, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404001 |  |

1. Create Response Result

| **Response Parameter** | **Setting Value** | **Remarks** |
| --- | --- | --- |
| userId | userId received above |  |
| email | email received above |  |
| firstname | firstname received above |  |
| lastname | lastname received above |  |
| status | status received above |  |
| startDateTime | startDateTime received above |  |
| expiredDateTime | expiredDateTime received above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| email | String | M |  |  |  |  |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| status | String | M |  |  |  |  |
| startDate | String | M |  |  |  |  |
| expiredDate | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Change Customer Status API**

|  |  |
| --- | --- |
| **API Name** | Change Customer Status |
| **URL** | /vms/v1/customers/{userId}/status |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Get customer information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Status format | status | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
|  | status |  | status |

1. Search Customer Information

Call [Get User by UserId] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |

If error response from microservice, return error response.

If user type received not equal to CUSTOMER\_USER\_TYPE, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404001 |  |

If user status is same as input parameter status, return success response.

1. If Change To Active Status

Call [Change My Projects Status] microservice API via API GW to get change projects status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Draft” |  |
| statusEvent | String | “Admin\_Active\_Account” |  |
| oldStatus | String | “Pending” |  |
| oldStatusEvent | String | “Admin\_Inactive\_Account” |  |

If error response from microservice, return error response.

Call [Resume My Approve Website Requests] microservice API via API GW to resume approve websites request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| ownerId | String | Input parameter userId | Path parameter |
| statusEvent | String | “Admin\_Active\_Account” |  |
| olsStatusEvent | String | “Admin\_Inactive\_Account” |  |

If error response from microservice, return error response.

Call [Change My Websites Status] microservice API via API GW to change websites status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Active” |  |
| statusEvent | String | “Admin\_Active\_Account” |  |
| oldStatus | String | “Inactive” |  |
| oldStatusEvent | String | “Admin\_Inactive\_Account” |  |

If error response from microservice, return error response.

TODO: clarify detail Cauldron spec to resume destination web with AIS

1. If Change To Inactive Status

Call [Change My Projects Status] microservice API via API GW to get change projects status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Pending” |  |
| statusEvent | String | “Admin\_Inactive\_Account” |  |
| oldStatus | String | “Draft” |  |

If error response from microservice, return error response.

Call [Cancel My Approve Website Requests] microservice API via API GW to cancel approve websites request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| ownerId | String | Input parameter userId | Path parameter |
| statusEvent | String | “Admin\_Inactive\_Account” |  |

If error response from microservice, return error response.

Call [Change My Websites Status] microservice API via API GW to change websites status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Inactive” |  |
| statusEvent | String | “Admin\_Inactive\_Account” |  |
| oldStatus | String | “Active” |  |

If error response from microservice, return error response.

TODO: clarify detail Cauldron spec to stop destination web with AIS

1. Change Customer Status

Call [Change User Status] microservice API via API GW to change user status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | Input parameter status |  |
| statusEvent | String | “Admin\_Inactive\_Account” if change to inactive  “Admin\_Active\_Account” if change to inactive |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Change VM Status API**

|  |  |
| --- | --- |
| **API Name** | Start VM |
| **URL** | /vms/v1/customers/{userId}/vm\_status |
| **Method** | PUT |
| **Short Code** |  |

## **Processing Overview**

Change VM status.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Status format | status | * Start, Stop |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
| status | status |

1. Change VM Status

If VM status of specified customer user is same as input parameter status, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 409 | E409001 | status |

TODO: Need information about API to start VM or Stop VM.

1. Update VM Status Information

Update VM status information as follow.

| **Table Column** | **Setting Value** | **Condition** |
| --- | --- | --- |
| vm\_infos.status | Input parameter status | * vm\_infos.userId = Input parameter userId |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get VM Status API**

|  |  |
| --- | --- |
| **API Name** | Get VM |
| **URL** | /vms/v1/customers/{userId}/vm\_status |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get customer information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |

1. Search VM Status

Search VM status as follow.

| **Item to select** | **Condition** |
| --- | --- |
| vms\_infos.\_id, status | vms\_infos.\_id = Input parameter userId |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| status | String | M |  |  | Start, Stop |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get System List API**

|  |  |
| --- | --- |
| **API Name** | Get System List |
| **URL** | /vms/v1/systems/my/{userId} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get system list.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |

1. Search System List

Call [Search My Websites] microservice API via API GW to get websites of specified user.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| userId | | String | Input parameter userId | Path parameter |
| pageSize | | Number | 1000000 |  |
| sorts | | Array |  |  |
|  | orderBy | String | “domain” |  |
|  | order | String | “ASC” |  |
|  | orderBy | String | “contextRoot” |  |
|  | order | String | “ASC” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| websites | | Array | M |  |  |  |  |
|  | websiteId | String | M |  |  |  |  |
|  | domain | String | M |  |  |  |  |
|  | contextRoot | String | M |  |  |  |  |
|  | status | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Change System Status API**

|  |  |
| --- | --- |
| **API Name** | Change System Status |
| **URL** | /vms/v1/systems/{websiteId}/status |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Change system status.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | websiteId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Status format | status | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | websiteId | E400004 | websiteId |
| status | status |

1. Search Website Information Using Input Parameter WebsiteId

Call [Get Website] microservice API via API GW to get website information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input websiteId | Path parameter |

If error response from microservice, return error response.

Search website information using input parameter websiteId as follow.

| **Item to select** | **Condition** |
| --- | --- |
| websites.status | * websites.\_id = Input parameter websiteId |

1. Return Error Response If Any Following Matches

TODO: not clear about what status can change to what status.

| **Website Information** | | **Response Result** | | |
| --- | --- | --- | --- | --- |
| **Current Status** | **New Status** | **HTTP Code** | **Error Code** | **Embedded String** |
| Ban | Ban | 500 | E500100 |  |
| Active | Unban | 500 | E500100 |  |
| Inactive | Unban | 500 | E500100 |  |
| Terminate | Ban | 500 | E500100 |  |
| Terminate | Unban | 500 | E500100 |  |

1. When Change To Terminate

Call [Get Project of Website] microservice API via API GW to get editing project of website.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | websiteId | Path parameter |

If error response other than E404004 from microservice, return error response.

If project found, call [Change Project Status] microservice API via API GW to delete editing project of website.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId received above | Path parameter |
| status | String | “Delete” |  |
| statusEvent | String | “Admin\_Terminate\_System” |  |

If error response from microservice, return error response.

If project found and status is pending,

call [Cancel Approve Website Request by Project] microservice API via API GW to cancel approve website request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId received above | Path parameter |
| statusEvent | String | “Admin\_Terminate\_System” |  |

If error response from microservice, return error response.

Call [Update Website Status] microservice API via API GW to change website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| status | String | “Terminate” |  |
| statusEvent | String | “Admin\_Terminate\_System” |  |

If error response from microservice, return error response.

TODO: not clear about the spec relating to destination web/server on Cauldron.

1. When Change To Unban

Call [Resume Website] microservice API via API GW to resume website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| statusEvent | String | “Admin\_Unban\_System” |  |
| oldStatusEvent | String | “Admin\_Ban\_System” |  |

If error response from microservice, return error response.

TODO: not clear about the spec relating to destination web/server on Cauldron.

1. When Change To Ban

Call [Search Approve Websites] microservice API via API GW to get a new approved version waiting publish.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| searchFields | | Array | {} |  |
| filters | | Array |  |  |
|  | field | String | “websiteId” |  |
|  | value | String | Input parameter websiteId |  |
|  | field | String | “status” |  |
|  | value | String | “Approve” |  |
|  | field | String | “launchedFlag” |  |
|  | value | String | “False” |  |
| sorts | | Array |  |  |
|  | orderBy | String | “publishDateTime” |  |
|  | order | String | “ASC” |  |
| pageSize | | Number | 1 |  |
| pageNo | | Number | 1 |  |

If error response from microservice, return error response.

If there is no new version approved,

Call [Update Website Status] microservice API via API GW to change website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| status | String | “Ban” |  |
| statusEvent | String | “Admin\_Ban\_System” |  |

If error response from microservice, return error response.

If there is a new version approved,

Call [Update Website Status] microservice API via API GW to change website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| status | String | “Inactive” |  |
| statusEvent | String | “Admin\_Ban\_System” |  |

If error response from microservice, return error response.

TODO: not clear about the spec relating to Cauldron.

1. Update Website Status

Call [Change Website Status] microservice API via API GW to change website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Input parameter websiteId | Path parameter |
| status | String | Input parameter status |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| status | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404005 | Website not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Search Approve Websites API**

|  |  |
| --- | --- |
| **API Name** | Search Approve Websites |
| **URL** | /vms/v1/approvewebsites/search |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Search approve websites.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Status format | status | * Mandatory |
| 2 | Page No format | pageNo | * Number >= 1 |
| 3 | Page Size format | pageSize | * Number >= 1 |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | status | E400004 | status |
|  | pageNo | pageNo |
|  | pageSize | pageSize |

1. Search My Websites

Call [Search Approve Websites] microservice API via API GW to search approve websites.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| searchWord | | String | Input parameter searchWord if have value |  |
| searchFields | | Array | “domain”, “contextRoot”, “firstname”, “lastname”, “username” |  |
| pageNo | | Number | Input parameter pageNo |  |
| pageSize | | Number | Input parameter pageSize |  |
| sorts | | Array |  |  |
|  | orderBy | String | “reviewRequestDateTime” |  |
|  | order | String | “ASC” |  |
| filters | | Array | If input parameter status is not “All” |  |
|  | field | String | “status” |  |
|  | value | String | Input parameter status |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  | Project Name or Status |
| status | String | M |  |  |  |  |
| pageNo | Number | M |  |  |  | Default Page No is 1 |
| pageSize | Number | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| totalRecordNo | | Number | M |  |  |  |  |
| maxPageNo | | Number | M |  |  |  |  |
| approveWebsites | | Array | M |  |  |  | Sort by lastUpdated, max 20 |
|  | approveWebsiteId | String | M |  |  |  |  |
|  | projectId | String | M |  |  |  |  |
|  | domain | String | M |  |  |  |  |
|  | contextRoot | String | M |  |  |  |  |
|  | reviewRequestDateTime | String | M |  |  |  |  |
|  | ownerFirstname | String | M |  |  |  |  |
|  | ownerLastname | String | M |  |  |  |  |
|  | ownerUsername | String | M |  |  |  |  |
|  | status | String | M |  |  |  |  |
|  | thumbnail | String | M |  |  |  |  |
|  | reviewerFirstname | String | M |  |  |  |  |
|  | reviewerLastname | String | M |  |  |  |  |
|  | reviewerUsername | String | M |  |  |  |  |
|  | approveDateTime | String | M |  |  |  |  |
|  | unapproveReason | String | M |  |  |  |  |
|  | updatedDateTime | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Submit Approve Website Review Result API**

|  |  |
| --- | --- |
| **API Name** | Submit Review Result |
| **URL** | /vms/v1/approvewebsites/{approveWebsiteId}/review\_result |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Submit review result.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Status format | status | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | status | E400004 | status |

1. Get Approve Website Information

Call [Get Approve Website] microservice API via API GW to get approve website information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | Input parameter approveWebsiteId |  |

If error response from microservice, return error response.

1. In Case Of Approve

Call [Get Approve Website] microservice API via API GW to get approve website information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | Input parameter approveWebsiteId |  |

Call [Change Approve Website Status] microservice API via API GW to change status to approve.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | approveWebsiteId received above | Path parameter |
| status | String | “Approve” |  |
| statusEvent | String | “Admin\_Review\_Approve” |  |

If error response from microservice, return error response.

1. In Case Of Reject

Call [Change Approve Website Status] microservice API via API GW to change approve website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | Input parameter approveWebsiteId | Path parameter |
| reviewerId | String | Session userId |  |
| status | String | “Reject” |  |
| reason | String | Input parameter reason |  |
| statusEvent | String | “Admin\_Review\_Reject” |  |

If error response from microservice, return error response.

Call [Change Project Status] microservice API via API GW to change project status information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId retrieved above | Path parameter |
| status | String | “Draft” |  |
| statusEvent | String | “Admin\_Review\_Reject” |  |

If error response from microservice, return error response.

TODO: Send notification

1. In Case Of Terminate

Call [Change Approve Website Status] microservice API via API GW to change approve website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | Input parameter approveWebsiteId | Path parameter |
| reviewerId | String | Session userId |  |
| status | String | “Terminate” |  |
| reason | String | Input parameter reason |  |
| statusEvent | String | “Admin\_Review\_Terminate” |  |

If error response from microservice, return error response.

Call [Change Project Status] microservice API via API GW to change project status information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | projectId retrieved above | Path parameter |
| status | String | “Delete” |  |
| statusEvent | String | “Admin\_Review\_Terminate” |  |

If error response from microservice, return error response.

TODO: Send notification

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| status | String | M |  |  |  |  |
| reason | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation errors |
| 401 | E401000 | Unauthenticated |
| 404 | E404010 | Approve website not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Member List API**

|  |  |
| --- | --- |
| **API Name** | Get Member List |
| **URL** | /vms/v1/members/search |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Get member list.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | roleId | * A-Z, a-z, 0-9 * 24 characters |
| 2 | Page Size format | pageSize | * Number |
| 3 | Page No format | pageNo | * Number |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | roleId | E400004 | roleId |
|  | pageSize | pageSize |
|  | pageNo | pageNo |

1. Search Member List

Call [Search Users] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| searchWord | | String | Input parameter searchWord |  |
| searchFields | | Array | “username”, “firstname”, “lastname”, “email” |  |
| filters | |  |  |  |
|  | field | String | “roleId” | Set if input parameter roleId not equal “all” |
|  | value | String | Input parameter roleId | Set if input parameter roleId not equal “all” |
|  | field | String | “type” |  |
|  | value | String | AIS\_USER\_TYPE |  |
| sorts | | Array |  |  |
|  | orderBy | String |  |  |
|  | order | String |  |  |
| pageSize | | Number | Input parameter pageSize |  |
| pageNo | | Number | Input parameter pageNo |  |

If error response from microservice, return error response.

1. Create Response Result

| **Response Parameter** | | **Setting Value** | **Remarks** |
| --- | --- | --- | --- |
| totalRecordNo | | totalRecordNo receive above |  |
| maxPageNo | | maxPageNo received above |  |
| members | |  |  |
|  | userId | userId received above |  |
|  | firstname | firstname received above |  |
|  | lastname | lastname received above |  |
|  | email | email received above |  |
|  | roleId | roleId received above |  |
|  | username | username received above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  |  |
| roleId | String | O |  |  | all, roleIds | Not specified, search all |
| pageSize | Number | M |  |  |  |  |
| pageNo | Number | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| totalRecordNo | | Number | M |  |  |  |  |
| maxPageNo | | Number | M |  |  |  |  |
| members | | Array | M |  |  |  |  |
|  | userId | String | M |  |  |  |  |
|  | firstname | String | M |  |  |  |  |
|  | lastname | Number | M |  |  |  |  |
|  | email | String | M |  |  |  |  |
|  | roleId | String | M |  |  |  |  |
|  | username | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Member Details API**

|  |  |
| --- | --- |
| **API Name** | Get Member Details |
| **URL** | /vms/v1/members/{userId} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get member detail information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |

1. Search Member Information

Call [Get User by UserId] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |

If error response from microservice, return error response.

If user type received not equal to AIS\_USER\_TYPE, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 404 | E404001 |  |

1. Create Response Result

| **Response Parameter** | **Setting Value** | **Remarks** |
| --- | --- | --- |
| userId | userId received above |  |
| roleId | roleId received above |  |
| username | username received above |  |
| email | email received above |  |
| firstname | firstname received above |  |
| lastname | lastname received above |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| userId | String | M |  |  |  |  |
| roleId | String | M |  |  |  |  |
| username | String | M |  |  |  |  |
| email | String | M |  |  |  |  |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Member Contact Information API**

|  |  |
| --- | --- |
| **API Name** | Update Member Contact Information |
| **URL** | /vms/v1/members/{userId}/contact |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update member contact information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | First name format | firstname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 3 | Last name format | lastname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 4 | Id format | roleId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
| firstname | firstname |
| lastname | lastname |
| roleId | roleId |

1. GET Member Information

Call [Get User] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |

If error response from microservice, return error response.

1. If Firstname or Lastname or RoleId has been Changed, Update Member Contact Information

Call [Update User Contact Information] microservice API via API GW to update user information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| firstname | String | Input parameter firstname if firstname has been changed |  |
| lastname | String | Input parameter lastname if lastname has been changed |  |
| roleId | String | Input parameter roleId if roleId has been changed |  |

If error response from microservice, return error response.

1. If Firstname of Lastname Has Been Changed, Update Reviewer Information

Call [Update Approve Website Reviewers] microservice API via API GW to update reviewer information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| reviewerId | String | Input parameter userId | Path parameter |
| username | String | Input parameter username |  |
| firstname | String | firstname of specified user |  |
| lastname | String | lastname of specified user |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| roleId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Member Login Information API**

|  |  |
| --- | --- |
| **API Name** | Update Member Login Information |
| **URL** | /vms/v1/members/{userId}/login |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update member login information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Username format | username | * A-Z, a-z, 0-9 * Special characters * No Thai * No less than 1 character and no more than 50 characters * Must not start with a number |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
| username | username |

1. GET Member Information

Call [Get User] microservice API via API GW to get user information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |

If error response from microservice, return error response.

1. If Username Has Been Changed, Update Member Login Information

Call [Update User Login Information] microservice API via API GW to update user login information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| username | String | Input parameter username |  |

If error response from microservice, return error response.

1. If Username Has Been Changed, Update Reviewer Information

Call [Update Approve Website Reviewers] microservice API via API GW to update reviewer information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| reviewerId | String | Input parameter userId | Path parameter |
| username | String | Input parameter username |  |
| firstname | String | firstname of specified user |  |
| lastname | String | lastname of specified user |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| username | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | User not found |
| 409 | E409001 | Duplication error (username) |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Change Member Password API**

|  |  |
| --- | --- |
| **API Name** | Update Member Password |
| **URL** | /vms/v1/members/{userId}/pass |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Change member password.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |
| 2 | Password format | password | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |
| password | password |

1. Update Member Login Information

Call [Reset User Password] microservice API via API GW to update user login information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| password | String | Input parameter password |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| password | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Add Member API**

|  |  |
| --- | --- |
| **API Name** | Add Member |
| **URL** | /vms/v1/members |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Add member.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | First name format | firstname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 2 | Last name format | lastname | * A-Z, a-z, 0-9 * No Thai or special characters * No less than 1 character and no more than 50 characters * Must not begin with a number |
| 3 | Email format | email | * A-Z, a-z, 0-9 * Special Characters * Must have at least @ sign * Must have a point |
| 4 | Id format | roleId | * A-Z, a-z, 0-9 * 24 characters |
| 5 | Username format | username | * A-Z, a-z, 0-9 * Special characters * No Thai * No less than 1 character and no more than 50 characters * Must not start with a number |
| 6 | Password format | password | * Must have A-Z, a-z, 0-9 * Must have special characters * 8~20 characters |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | firstname | E400004 | firstname |
| lastname | lastname |
| email | email |
| roleId | roleId |
| username | username |
| password | password |

1. Create Member Information

Call [Add member] microservice API via API GW to add a new member information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleId | String | Input parameter roleId |  |
| username | String | Input parameter username |  |
| password | String | Input parameter password |  |
| type | String | AIS\_USER\_TYPE |  |
| firstname | String | Input parameter firstname |  |
| lastname | String | Input parameter lastname |  |
| email | String | Input parameter email if have value |  |
| profileImage | String | DEFAULT\_AIS\_USER\_PROFILE\_IMAGE |  |

If error response from microservice, return error response.

1. Register Reviewer Information

Call [Update Approve Website Reviewers] microservice API via API GW to register reviewer information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| reviewerId | String | userId generated above | Path parameter |
| username | String | Input parameter username |  |
| firstname | String | Input parameter firstname |  |
| lastname | String | Input parameter lastname |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| roleId | String | M |  |  |  |  |
| username | String | M |  |  |  |  |
| password | String | M |  |  |  |  |
| firstname | String | M |  |  |  |  |
| lastname | String | M |  |  |  |  |
| email | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 409 | E409001 | Duplication error (username, email, or specified optional fields) |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Delete Member API**

|  |  |
| --- | --- |
| **API Name** | Delete Member |
| **URL** | /vms/v1/members/{userId} |
| **Method** | DELETE |
| **Short Code** |  |

## **Processing Overview**

Delete member.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | userId | * A-Z, a-z, 0-9 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | userId | E400004 | userId |

1. Delete Member

Call [Change User Status] microservice API via API GW to change user status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Input parameter userId | Path parameter |
| status | String | “Delete” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | User not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Role List API**

|  |  |
| --- | --- |
| **API Name** | Get Role List |
| **URL** | /vms/v1/roles |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get role list.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Get Role List

Call [Search Roles] microservice API via API GW to get roles.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| sorts | | Array |  |  |
|  | orderBy | String | “createdDateTime” |  |
|  | order | String | “ASC” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| roles | | Array | M |  |  |  |  |
|  | roleId | String | M |  |  |  |  |
|  | roleName | String | M |  |  |  |  |
|  | status | String | M |  |  |  |  |
|  | description | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Role Permissions API**

|  |  |
| --- | --- |
| **API Name** | Get Role Permissions |
| **URL** | /vms/v1/roles/{roleId}/permissions |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get role permissions.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Get Role Permissions

Call [Get Role Permissions] microservice API via API GW to get role details.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleId | String | Input parameter roleId | Path parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| roleId | String | M |  |  |  |  |
| roleName | String | M |  |  |  |  |
| permissions | Array | M |  |  |  | Array of permission CD |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Add Role API**

|  |  |
| --- | --- |
| **API Name** | Add Role |
| **URL** | /vms/v1/roles |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Add role.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Role Name format | roleName | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | roleName | E400004 | roleName |

1. Create Role

Call [Create Role] microservice API via API GW to create role.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleName | String | Input parameter roleName |  |
| description | String | Input parameter description if have |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| roleName | String | M |  |  |  |  |
| description | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| roleId | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 409 | E409001 | Duplicate (role name) error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Role Information API**

|  |  |
| --- | --- |
| **API Name** | Update Role Information |
| **URL** | /vms/v1/roles/{roleId}/info |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update role information.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | ID format | roleId | * A-Z, a-z, 9-0 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | roleId | E400004 | roleId |

1. Update Role Information

Call [Update Role Information] microservice API via API GW to update role details.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleId | String | Input parameter roleId | Path parameter |
| roleName | String | Input parameter roleName if have |  |
| description | String | Input parameter description if have |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| roleName | String | O |  |  |  |  |
| description | String | O |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | Role not found |
| 409 | E409001 | Duplicate (role name) error |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Update Role Permissions API**

|  |  |
| --- | --- |
| **API Name** | Update Role Permissions |
| **URL** | /vms/v1/roles/{roleId}/permissions |
| **Method** | PATCH |
| **Short Code** |  |

## **Processing Overview**

Update role permissions.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | ID format | roleId | * A-Z, a-z, 9-0 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | roleId | E400004 | roleId |

1. Update Role Permissions

Call [Update Role Permissions] microservice API via API GW to update role permissions.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleId | String | Input parameter roleId | Path parameter |
| removePermissions | Array | Input parameter removePermissions |  |
| addPermissions | Array | Input parameter addPermissions |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| removePermissions | Array | M |  |  |  |  |
| addPermissions | Array | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404001 | Role not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Delete Role API**

|  |  |
| --- | --- |
| **API Name** | Delete Role |
| **URL** | /vms/v1/roles/{roleId} |
| **Method** | DELETE |
| **Short Code** |  |

## **Processing Overview**

Delete role.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | ID format | roleId | * A-Z, a-z, 9-0 * 24 characters? |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | roleId | E400004 | roleId |

1. Delete Role Information

Call [Change Role Status] microservice API via API GW to update role status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| roleId | String | Input parameter roleId | Path parameter |
| status | String | “Delete” |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| roleId | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 404 | E404011 | Role not found |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Get Category Permissions API**

|  |  |
| --- | --- |
| **API Name** | Get Category Permissions |
| **URL** | /vms/v1/roles/permissions?category={category} |
| **Method** | GET |
| **Short Code** |  |

## **Processing Overview**

Get category permissions.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Get Category Permissions

Call [Get Category Permissions] microservice API via API GW to get category permissions information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| category | String | Input parameter category | Query parameter |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| permissions | | Array | M |  |  |  |  |
|  | permissionCd | String | M |  |  |  |  |
|  | permissionName | String | M |  |  |  |  |
|  | level | String | M |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Search Orders API**

|  |  |
| --- | --- |
| **API Name** | Search Orders |
| **URL** | /vms/v1/orders/search |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Get order list.

1. Check Authentication   
   If invalid login session, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

If role in session does not have permission to access this page.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 403 | E403000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Page Size format | pageSize | * Number |
| 2 | Page No format | pageNo | * Number |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 404 | pageSize | E400004 | pageSize |
| pageNo | pageNo |

1. Search Orders

Call [Search Orders] microservice API via API GW to search orders.

Set the following Request Parameters when call microservices.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| searchWord | | String | Input parameter searchWord |  |
| searchFields | | Array | “orderDocId”, “productName”, “sku”, “firstname”, “lastname”, “accountCategory”, “companyName”, “username” |  |
| filters | | Array |  |  |
|  | field | String | “accountCategory” | if accountCategory is not All |
|  | value | String | Input parameter accountCategory |  |
| sorts | | Array |  |  |
|  | orderBy | String | “createdDate” |  |
|  | order | String | “DESC” |  |
|  | pageSize | String | Input parameter pageSize |  |
|  | pageNo | String | Input parameter pageNo |  |

If error response from microservice, return error response.

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| searchWord | String | O |  |  |  |  |
| accountCategory | String | O |  |  |  |  |
| pageSize | Number | M |  |  |  |  |
| pageNo | Number | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| totalRecordNo | | Number | M |  |  |  |  |
| orders | | Array | M |  |  |  |  |
|  | orderId | String | M |  |  |  |  |
|  | createdDate | String | M |  |  |  |  |
|  | productName | String | M |  |  |  |  |
|  | sku | String | M |  |  |  |  |
|  | totalQuantity | String | M |  |  |  |  |
|  | username | String | M |  |  |  |  |
|  | firstname | String | M |  |  |  |  |
|  | lastname | String | M |  |  |  |  |
|  | accountCategory | String | M |  |  |  |  |
|  | companyName | String |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 403 | E403000 | Do not have access permission |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Publish Website Job**

|  |  |
| --- | --- |
| **Job Name** | Publish Website Job |
| **Schedule** | Every {PUBLISH\_WEBSITES\_JOB\_SCHEDULE} minutes |

## **Processing Overview**

Publish project.

1. Get Publish Config Object Information   
   Get publishCfgObj from cache with key {PUBLISH\_WEBSITE\_CONFIG\_INFO}

If not found, call [Get Config Object] microservice via API GW to get the publish config information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| configKey | String | {PUBLISH\_WEBSITE\_CONFIG\_INFO} |  |

If error response from microservice, stop processing.

If found, set the publishCfgObj to cache with key {PUBLISH\_WEBSITE\_CONFIG\_INFO} with expired time {PUBLISH\_WEBSITE\_CONFIG\_EXPIRED\_TIME}.

The structure of publishCfgObj is as follows.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| cauldronLocal | | Object |  |  |
|  | protocol | String |  |  |
|  | ip | String |  |  |
|  | port | String |  |  |
| cauldronPublic | | Object |  |  |
|  | protocol | String |  |  |
|  | ip | String |  |  |
|  | port | String |  |  |
| cauldronApiServerUri | | String |  |  |
| publishWebsiteJobPageSize | | Number |  |  |
| mongoUriBase | | String |  |  |
| desMicroservices | | Array |  | Array of objects |
|  | appName | String |  |  |
|  | appPort | String |  |  |
|  | image | String |  |  |
|  | imageTag | String |  |  |
| desApiGw | | Object |  |  |
|  | appName | String |  |  |
|  | appPort | String |  |  |
|  | image | String |  |  |
|  | imageTag | String |  |  |
| desOAuth | | Object |  |  |
|  | appName | String |  |  |
|  | appPort | String |  |  |
|  | image | String |  |  |
|  | imageTag | String |  |  |
| desAppStorage | | Object |  |  |
|  | name | String |  |  |
|  | size | String |  |  |
|  | class | String |  |  |
|  | path | String |  |  |
| desBizFlow | | Object |  |  |
|  | appName | String |  |  |
|  | appPort | String |  |  |
|  | image | String |  |  |
|  | imageTag | String |  |  |
| desWeb | | Object |  |  |
|  | appPort | String |  |  |
|  | image | String |  |  |
|  | imageTag | String |  |  |
|  |  |  |  |  |

Create the following parameters used to deploy destination containers on cauldron.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| cauldronLocalEndPoint | String | {publishCfgObj.cauldronLocal.protocol}://{publishCfgObj.cauldronLocal.ip}:{publishCfgObj.cauldronLocal.port} |  |
| cauldronPublicEndPoint | String | {publishCfgObj.cauldronPublic.protocol}://{publishCfgObj.cauldronPublic.ip}:{publishCfgObj.cauldronPublic.port} |  |

1. Get Approve Websites Waiting For Publish   
   Call [Get Approve Websites Waiting Publish] to get websites to publish.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageSize | String | publishCfgObj.publishWebsiteJobPageSize |  |

If error response from microservice, stop processing.

If have approve websites waiting for publish, proceed the following step 2 for each approve website received.

1. Publish Specified Approve Website

Call [Update Approve Websites Batching Processing Status] to update status to processing.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Approve” |  |
| batchProcessingStatus | String | Null |  |
| batchProcessingStatus | String | “Processing” |  |

If error response from microservice, stop processing this approved website.

If specified approve\_websites.websiteId and approve\_websites.version is not null,

Call [Version up Website] microservice API via API GW to version up website information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Specified approve\_websites.websiteId | Path parameter |
| projectName | String | Specified approve\_websites.projectName |  |
| lastUpdated | String | Specified approve\_websites.lastUpdated |  |
| domain | String | Specified approve\_websites.domain |  |
| namespace | String | Specified approve\_websites.namespace |  |
| contextRoot | String | Specified approve\_websites.contextRoot |  |
| websiteDataId | String | Specified approve\_websites.websiteDataId |  |
| thumbnail | String | Specified approve\_websites.thumbnail |  |
| version | String | Specified approve\_websites.version |  |
| launchDateTime | String | Specified approve\_websites.launchDateTime |  |

If error response from microservice, go to Update Batching Processing Status to update status to failed.

If specified approve\_websites.websiteId and approve\_websites.version is null,

Call [Create Website] microservice API via API GW to create website information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectName | String | Specified approve\_websites.projectName |  |
| lastUpdated | String | Specified approve\_websites.lastUpdated |  |
| userId | String | Specified approve\_websites.userId |  |
| username | String | Specified approve\_websites.ownerUsername |  |
| domain | String | Specified approve\_websites.domain |  |
| contextRoot | String | Specified approve\_websites.contextRoot |  |
| destinationAdminId | String | Specified approve\_websites.destinationAdminId |  |
| websiteDataId | String | Specified approve\_websites.websiteDataId |  |
| thumbnail | String | Specified approve\_websites.thumbnail |  |
| launchDateTime | String | Specified approve\_websites.launchDateTime |  |

If error response from microservice, go to Update Batching Processing Status to update status to failed.

Call [Switch Website URL] microservice API via API GW to switch website URL.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path Parameter |
| websiteId | String | websiteId of publish website |  |

Call [Change Project Status] microservice API via API GW to change project status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Input parameter projectId | Path Parameter |
| status | String | “Delete” |  |
| statusEvent | String | “Execute\_Publish\_Website” |  |

If error response from microservice, go to Update Batching Processing Status.

Call [Launch Approve Website] microservice API via API GW to change launch flag.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| approveWebsiteId | String | approveWebsiteId received above | Path parameter |

If error response from microservice, go to Update Batching Processing Status.

Create the following parameters used to deploy destination containers on cauldron.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| desNamespace | String | websites.websiteId |  |
| appNamePrefix | String | “” |  |
| desBizFlowClientId | String | Create Hmac SHA2 with  key: websiteId  text: “desBizFlowClientId” |  |
| desBizFlowClientSecret | String | Create Hmac SHA with  key: websiteId  text: “desBizFlowClientSecret” |  |
| desDbName | String | websites.websiteId |  |

TODO: if version up, stop destination web and backup current DB data

TODO: If publish a new website for first time, Call Cauldron API to create DB storage

If publish a new website for first time, for each publishCfgObj.desMicroservices, Call [Create Cauldron Application] API to deploy microservices

Request URI: {cauldronLocalEndpoint}/{publishCfgObj.cauldronApiServerUri}

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| namespace | | String | desNamespace generated above |  |
| appName | | String | appNamePrefix + microservice.appName |  |
| apport | | Integer | microservices.appPort |  |
| imageName | | String | microservices.image | Docker image name |
| imageTag | | String | microservices.imageTag | Docker image tag |
| appEnvParam | | ArrayList |  |  |
|  | name | String | “MONGO\_URI” |  |
|  | value | String | publishCfgObj.mongoUri + “/” + desDbName |  |

If error response from microservice, go to Update Batching Processing Status.

If publish a new website for first time, Call [Create Cauldron Application] API to deploy destination OAuth Authorization API

Request URI: {cauldronLocalEndpoint}/{publishCfgObj.cauldronApiServerUri}

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| namespace | | String | desNamespace generated above |  |
| appName | | String | appNamePrefix + publishCfgObj.desOAuth.appName | “dest-api-gw” |
| apport | | Integer | publishCfgObj.desOAuth.appPort |  |
| imageName | | String | publishCfgObj.desOAuth.image | Docker image name |
| imageTag | | String | publishCfgObj.desOAuth.imageTag | Docker image tag |
| appEnvParam | | ArrayList |  |  |
|  | name | String | “MONGO\_URI” |  |
|  | value | String | publishCfgObj.mongoUri + “/” + desDbName |  |

If error response from microservice, go to Update Batching Processing Status.

If publish a new website for first time, Call [Create Cauldron Application] API to deploy destination API GW

Request URI: {cauldronLocalEndpoint}/{publishCfgObj.cauldronApiServerUri}

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| namespace | | String | desNamespace generated above |  |
| appName | | String | appNamePrefix + publishCfgObj.desApiGw.appName | “dest-api-gw” |
| apport | | Integer | publishCfgObj.desApiGw.appPort |  |
| imageName | | String | publishCfgObj.desApiGW.image | Docker image name |
| imageTag | | String | publishCfgObj.desApiGw.imageTag | Docker image tag |
| appEnvParam | | ArrayList |  |  |
|  | name | String | “DESTINATION\_OAUTH\_ENDPOINT” |  |
|  | value | String | {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desOAuth.appName} |  |

If error response from microservice, go to Update Batching Processing Status.

If publish a new website for first time, Call [Create storage] API to create destination server storage

Request URI: {cauldronLocalEndpoint}/{publishCfgObj.cauldronApiServerUri}

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| namespace | | String | desNamespace generated above |  |
| name | | String | appNamePrefix + publishCfgObj.desAppStorage.name | “dest-app-storage” |
| storage | | Object |  |  |
|  | size | String | publishCfgObj.desAppStorage.size |  |
|  | storageClass | String | publishCfgObj.desAppStorage.class |  |
|  | accessMods | String | “ReadWriteMany” |  |

If publish a new website for first time, Call [Create Cauldron Application] API to deploy bizflow api

Request URI:

{cauldronLocalEndpoint}/{publishCfgObj.cauldronApiServerUri}

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| namespace | | String | desNamespace generated above |  |
| appName | | String | appNamePrefix + publishCfgObj.desBizFlow.appName | “dest-bizflow-api” |
| apport | | Integer | publishCfgObj.desBizFlow.appPort | 3000? |
| imageName | | String | publishCfgObj.desBizFlow.image | Docker image name |
| imageTag | | String | publishCfgObj.desBizFlow.imageTag | Docker image tag |
| appEnvParam | | ArrayList |  |  |
|  | name | String | “API\_GW\_ENDPOINT” |  |
|  | value | String | {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj. desApiGw.appName} |  |
|  | name | String | “API\_GW\_CLIENT\_ID” |  |
|  | value | String | desBizFlowClientId generated above |  |
|  | name | String | “API\_GW\_CLIENT\_SECRET” |  |
|  | value | String | desBizFlowClientSecret generated above |  |
| existingStorage | | Object |  |  |
|  | mountPath | String | publishCfgObj.desAppStorage.path |  |
|  | claimName | String | appNamePrefix + publishCfgObj.desAppStorage.name |  |

If error response from microservice, go to Update Batching Processing Status.

If publish a new website for first time, Call [Create Cauldron Application] API to deploy destination web.

Request URI: {cauldronLocalEndpoint}/{publishCfgObj.cauldronApiServerUri}

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| namespace | | String | approve\_websites.namespace |  |
| appName | | String | approve\_websites.contextRoot |  |
| apport | | Integer | publishCfgObj.desWeb.appPort | 3000? |
| imageName | | String | publishCfgObj.desWeb.image | Docker image name |
| imageTag | | String | publishCfgObj.desWeb.imageTag | Docker image tag |
| appEnvParam | | ArrayList |  |  |
|  | name | String | “BIZFLOW\_API\_ENDPOINT” |  |
|  | value | String | {cauldronPublicEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desBizFlow.appName} |  |
| existingStorage | | Object |  |  |
|  | mountPath | String | publishCfgObj.desAppStorage.path |  |
|  | claimName | String | appNamePrefix + publishCfgObj.desAppStorage.name |  |

If error response from microservice, go to Update Batching Processing Status.

If publish a new website for first time, call [Get Config Object] microservice via API GW to get the default destination role permission config information: rolePermCfgObj.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| configKey | String | {DESTINATION\_ROLE\_PERMISSION\_CONFIG\_KEY} |  |

If error response from microservice, go to Update Batching Processing Status.

The structure of rolePermCfgObj is as follow.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| roles | | Array |  | Array of objects |
|  | roleName | String |  |  |
|  | description | String |  |  |
|  | deletable | Boolean |  |  |
|  | permisionCds | Array |  | Array of strings |
| adminRoleName | | String |  |  |
| permissions | | Array |  | Array of objects |
|  | permissionCd | String |  |  |
|  | permissionName | String |  |  |
| categories | | Array |  | Array of objects |
|  | category | String |  |  |
|  | permissionCd | String |  |  |
|  | level | Number |  |  |
|  | displayOrder | Number |  |  |

If publish a new website for first time, call [Get Config Object] microservice via API GW to get the default destination path permissions information: pathPermCfgObj.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| configKey | String | {DESTINATION\_PATH\_PERMISSION\_CONFIG\_KEY} |  |

If error response from microservice, go to Update Batching Processing Status.

The structure of pathPermCfgObj is as follow.

| **Name** | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- |
| accessPaths | | Array |  | Array of objects |
|  | accessPath | String |  |  |
|  | category | String |  |  |
|  | permissionCds | Array |  | Array of strings |

If publish a new website for first time, call [Get Config Object] microservice via API GW to get the default destination OAuth Authorization information: oauthCfgObj.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| configKey | String | {DESTINATION\_OAUTH\_ AUTHORIZATION\_CONFIG\_KEY} |  |

If error response from microservice, go to Update Batching Processing Status.

The structure of oauthCfgObj is as follow. Change some value of the config as follows

| **Name** | | | **Data Type** | **Change Setting Value** | **Description** |
| --- | --- | --- | --- | --- | --- |
| clients | | | Array |  | Array of objects |
|  | clientId | | String | desBizFlowClientId if clientName = desBizFlow.appName |  |
|  | clientSecret | | String | desBizFlowClientSecret if clientName = desBizFlow.appName |  |
|  | clientName | | String |  |  |
|  | expiresIn | | Number |  |  |
|  | refreshExpiresIn | | Number |  |  |
| microservices | | | Array |  | Array of objects |
|  | microserviceName | | String |  |  |
|  | microservicePath | | Number |  |  |
|  | forwardProtocol | | String | publishCfgObj.cauldronLocal.protocol if microservice name in desMicroservices.appName |  |
|  | forwardHost | | String | publishCfgObj.cauldronLocal.ip if microservice name in desMicroservices.appName |  |
|  | forwatPort | | String | publishCfgObj.cauldronLocal.port if microservice name in desMicroservices.appName |  |
|  | forwardContextRoot | | String | appNamePrefix + microserviceName + current forwardContextRoot if microservice name in desMicroservices.appName |  |
|  | apis | | Array |  | Array of objects |
|  |  | apiName | String |  |  |
|  |  | apiPathPattern | String |  |  |
|  |  | methodPattern | String |  |  |
|  |  | clientId | String | desBizFlowClientId if current clientId = desBizFlow.appName |  |

Call [Export Website Data] microservice API via API GW to export website data for destination web.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteDataId | String | Input parameter websiteDataId | Path Parameter |

If error response from microservice, go to Update Batching Processing Status.

Call destination biz flow API to change the status of website before publishing.

URL: {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desBizFlow.appName}/des/v1/publish/website\_status

Method: PUT

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “under construction” |  |

If error response from microservice, go to Update Batching Processing Status.

TODO: if version up, call destination biz flow API to back up the current destination data.

Call destination biz flow API to register the layout information.

URL: {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desBizFlow.appName}/des/v1/publish/template

Method: PUT

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| version | String | websites.version |  |
| template | Object | Response of [Export Website Data] |  |

If error response from microservice, go to Update Batching Processing Status.

Call destination biz flow API to update the dashboard sensors information.

URL: {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desBizFlow.appName}/des/v1/publish/dashboard\_sensors

Method: PUT

| **Name** | | | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- | --- | --- |
| dashboards | | | Array |  | dashboard page type only |
|  | dashboardId | | String | [export website data].pages.\_id |  |
|  | widgets | | Array |  |  |
|  |  | widgetId | String | [export website data].pages.widgets.id |  |
|  |  | sensorPlacement | String | [export website data].pages.widgets.sensorPlacement |  |

If error response from microservice, go to Update Batching Processing Status.

If publish a new website for first time, Call [Get Destination Admin] microservice API via API GW to get destination admin information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| destinationAdminId | String | approve\_websites.destinationAdminId | Path Parameter |

If error response from microservice, go to Update Batching Processing Status.

Create admin user information as follow.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| username | String | destination\_admins.username |  |
| password | String | destination\_admins.password |  |
| firstname | String | destination\_admins.firstname |  |
| lastname | String | destination\_admins.lastname |  |
| email | String | destination\_admins.email |  |

If publish a new website for first time, Call destination biz flow API to register master data information.

URL: {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desBizFlow.appName}/des/v1/publish/master\_data

Method: POST

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| admin | Object | admin user information created above | Default admin |
| rolePermissions | Object | rolePermCfgObj created above |  |
| pathPermissions | Object | pathPermCfgObj created above |  |
| oauth | Object | oauthCfgObj created above |  |

If error response from microservice, go to Update Batching Processing Status.

TODO: Copy logo/image files

Call destination biz flow API to change the status to active after finish publishing.

URL: {cauldronLocalEndpoint}/{desNamespace}/{appNamePrefix + publishCfgObj.desBizFlow.appName}/des/v1/publish/website\_status

Method: PUT

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Active” |  |

If error response from microservice, go to Update Batching Processing Status.

TODO: Send notification

1. Update Batching Processing Status

If error occurs above, call [Update Approve Websites Batching Processing Status] to update status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Approve” |  |
| oldBatchProcessingStatus | String | “Processing” |  |
| batchProcessingStatus | String | “Failed” |  |

If error response from microservice, stop processing this record.

# **Auto Terminate Website Job**

|  |  |
| --- | --- |
| **Job Name** | Auto Terminate Website Job |
| **Schedule** | Every AUTO\_TERMINATE\_WEBSITES\_JOB\_SCHEDULE minutes |

## **Processing Overview**

Auto terminate websites.

1. Get Websites Waiting For Auto Terminate   
   Call [Get Websites Waiting Auto Terminate] to get websites to terminate.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageSize | String | AUTO\_TERMINATE\_WEBSITES\_JOB\_PAGE\_SIZE | Query parameter |
| status | String | “Ban” | Query parameter |

If error response from microservice, stop processing.

If have websites waiting for auto terminate, proceed the following step 2 for each website received.

1. Auto Terminate Specified Website

Call [Update Websites Batching Processing Status] to update status to processing.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Ban” |  |
| oldBatchProcessingStatus | String | Null |  |
| batchProcessingStatus | String | “Processing” |  |

If error response from microservice, stop processing this website.

Call [Get Project of Website] to the editing project of specified website.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Specified websiteId |  |

If error response other than not found from microservice, stop processing this website.

If project found, call [Change Project Status] to logically delete project.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Editing projectId of specified websiteId |  |
| statusEvent | String | “EXECUTE\_AUTO\_TERMINATE” |  |

If error response from microservice, go to Update Batching Processing Status to update status to failed.

If project found, call [Cancel Approve Website Request by Project] to logically delete approve website request.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| projectId | String | Editing projectId of specified websiteId |  |
| statusEvent | String | “EXECUTE\_AUTO\_TERMINATE” |  |

If error response from microservice, go to Update Batching Processing Status to update status to failed.

Call [Change Website Status] microservice API via API GW to change website status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| websiteId | String | Specfied websiteId | Path parameter |
| status | String | “Terminate” |  |
| statusEvent | String | “EXECUTE\_AUTO\_TERMINATE” |  |

If error response from microservice, go to Update Batching Processing Status.

If success response, Call [Update Website Batching Processing Status] microservice via API GW to change status.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Terminate” |  |
| oldBatchProcessingStatus | String | “Processing” |  |
| batchProcessingStatus | String | “Success” |  |

TODO: Call Cauldron API to terminate destination websites

TODO: Send notification

1. Update Batching Processing Status

If error occurs above, call [Update Approve Websites Batching Processing Status] to update status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Ban” |  |
| oldBatchProcessingStatus | String | “Processing” |  |
| batchProcessingStatus | String | “Failed” |  |

If error response from microservice, stop processing this record.

# **Execute Close Account Job**

|  |  |
| --- | --- |
| **Job Name** | Execute Close Account Job |
| **Schedule** | Every EXECUTE\_CLOSE\_ACCOUNT\_JOB\_SCHEDULE minutes |

## **Processing Overview**

Execute close account.

1. Get Users Waiting For Close Account  
   Call [Get Users Waiting Close Account] to get users to close account.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| pageSize | String | EXECUTE\_CLOSE\_ACCOUNT\_JOB\_PAGE\_SIZE | Query parameter |

If error response from microservice, stop processing.

If have users waiting for close account, proceed the following step 2 for each user received.

1. Close Account Of Specified User

Call [Update User Batching Processing Status] to update status to processing.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | status of specified user |  |
| oldBatchProcessingStatus | String | Null |  |
| batchProcessingStatus | String | “Processing” |  |

If error response from microservice, stop processing this user.

Call [XXX] microservice API via API GW to delete all project of specified user.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Specified userId |  |

If error response from microservice, go to Update Batching Processing Status to update status to failed.

Call [XXX] microservice API via API GW to delete all approve website of specified user.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Specified userId |  |

If error response from microservice, go to Update Batching Processing Status to update status to failed.

Call [XXX] microservice API via API GW to delete all website of specified user.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Specfied userId | Path parameter |

Call [XXX] microservice API via API GW to delete specified user.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| userId | String | Specfied userId | Path parameter |

If error response from microservice, go to Update Batching Processing Status.

If success response, Call [Update User Batching Processing Status] microservice via API GW to change status.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Terminate” |  |
| oldBatchProcessingStatus | String | “Processing” |  |
| batchProcessingStatus | String | “Success” |  |

TODO: Call Cauldron API to terminate destination websites

TODO: Send notification

1. Update Batching Processing Status

If error occurs above, call [Update User Batching Processing Status] to update status.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| status | String | “Ban” |  |
| oldBatchProcessingStatus | String | “Processing” |  |
| batchProcessingStatus | String | “Failed” |  |

If error response from microservice, stop processing this record.

# **Provisioning MG Account API**

|  |  |
| --- | --- |
| **API Name** | Provisioning MG Account |
| **URL** | /vms/v1/mgaccounts/provisioning |
| **Method** | POST |
| **Short Code** |  |

## **Processing Overview**

Provisioning mg account to all destination webs.

1. Check Authentication   
   If bearer apiAccessToken is not same as PROVISIONING\_MGACCOUNT\_API\_ACCESS\_TOKEN, return the following error response.

| **HTTP Code** | **Error Code** | **Embedded String** |
| --- | --- | --- |
| 401 | E401000 |  |

1. Validate Input Parameters  
   Execute the following validations.

| **No.** | **Validation Name** | **Target Item** | **Check Rule** |
| --- | --- | --- | --- |
| 1 | Id format | mgAccountId | * A-Z, a-z, 0-9 * 24 characters |
| 2 | email format | email | * Mandatory |
| 3 | Id format | accountId | * Mandatory |
| 4 | name format | accountName | * Mandatory |
| 5 | Date format | accountCreatedDate | * Mandatory |
| 6 | Date format | accountExpiredDate | * Mandatory |
| 7 | Id format | authenClientId | * Mandatory |
| 8 | Secret format | authenClientSecret | * Mandatory |

If any of the above does not match, send the following validation error response.

| **HTTP Code** | **Target Item** | **Error Code** | **Embedded String** |
| --- | --- | --- | --- |
| 400 | mgAccountId | E400004 | mgAccountId |
|  | email | email |
|  | accountId | accountId |
|  | accountName |  | accountName |
|  | accountCreatedDate |  | accountCreatedDate |
|  | accountExpiredDate |  | accountExpiredDate |
|  | authenClientId |  | authenClientId |
|  | authenClientSecret |  | authenClientSecret |

1. Get Websites of specified username

Call [Get Websites by Username] microservice API via API GW to get destination websites information.

Set the following Request Parameters when call microservices.

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| username | String | Input parameter email | Path parameter |

If error response from microservice, return error response.

1. Provisioning MG Account to each Destination Website (Asynchronous)

Call destination biz flow API to push mg account information.

URL: {CAULDRON\_LOCAL\_DOMAIN}/{websiteId}/{DESTINATION\_BIZFLOW\_APPNAME}/des/v1/mgaccounts/provisioning.

Method: POST

| **Name** | **Data Type** | **Setting Value** | **Description** |
| --- | --- | --- | --- |
| mgAccountId | String | Input parameter mgAccountId |  |
| userId | String | Input parameter userId |  |
| accountId | String | Input parameter accountId |  |
| accountCreatedDate | String | Input parameter accountCreatedDate |  |
| accountExpiredDate | String | Input parameter accountExpiredDate |  |
| authenClientId | String | Input parameter authenClientId |  |
| authenClientSecret | String | Input parameter authenClientSecret |  |

1. Send Response Result

## **Request Headers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **SV/MV** | **Data Type** | **Description/Example** |
| Content-Type | M | SV | String | “application/json” |
| Authorization | M | SV | String | “Bearer + {apiAccessToken}” |

## **Request Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| mgAccountId | String | M |  |  |  |  |
| email | String | M |  |  |  |  |
| accountId | String | M |  |  |  |  |
| accountName | String | M |  |  |  |  |
| accountCreatedDate | String | M |  |  |  |  |
| accountExpiredDate | String | M |  |  |  |  |
| authenClientId | String | M |  |  |  |  |
| authenClientSecret | String | M |  |  |  |  |
| authenClientSecret | String | M |  |  |  |  |

## **Response Headers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **M/O** | **Data Type** | **Description/Example** |
| Content-Type | M | String | “application/json” |

## **Response Parameters**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

## **Response Result List**

| **HTTP Code** | **Error Code** | **Result** |
| --- | --- | --- |
| 200 | - | Successfully processed |
| 400 | E400004 | Format validation error |
| 401 | E401000 | Unauthorized |
| 500 | E500000 | Unexpected error at microservice |
| 500 | E500100 | Unexpected error at biz flow |

# **Appendix: Widget Config**

## **Widgets Array Json String**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| widgets | | | Array | M |  |  |  |  |
|  | id | | Number | M |  |  |  |  |
|  | cols | | Number | M |  |  |  |  |
|  | rows | | Number | M |  |  |  |  |
|  | y | | Number | M |  |  |  |  |
|  | x | | Number | M |  |  |  |  |
|  | layerIndex | | Number | M |  |  |  |  |
|  | widget | | Object |  |  |  |  |  |
|  |  | name | String |  |  |  |  |  |
|  |  | config | Object |  |  |  |  | Differ by widget |

## **Area Container Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| backgroundColor | String |  |  |  |  |  |
| border | String |  |  |  |  |  |

## **Button Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| type | String |  |  |  | button |  |
| value | String |  |  |  |  |  |
| buttonStyle | String |  |  |  | roundCorner |  |
| bgStyle | String |  |  |  | solid, gradient1, gradient2 |  |
| background | String |  |  |  | #XXXXXX |  |

## **Image Input Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| src | String |  |  |  |  |  |
| backgroundColor | String |  |  |  |  | ngStyle |

## **Image Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| class | String |  |  |  |  | ngClass |
| styles |  |  |  |  |  | ngStyle |

## **Label Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| value | String |  |  |  |  |  |
| styles | Object |  |  |  |  | style |
| class | String |  |  |  |  | ngClass |

## **Link Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| value | String |  |  |  |  |  |
| styles | Object |  |  |  |  | style |

## **Textbox Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| type | String |  |  |  | text, password |  |
| placeholder | String |  |  |  |  |  |
| inputStyle | String |  |  |  | roundCorner, underline, capsule, rectangle | class |
| class | String |  |  |  |  | ngClass |
| styles | Object |  |  |  |  | ngStyle |

## **Simple 1 Widget**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| format | | | String |  |  |  | square, landscape |  |
| faTopLeft | | | String |  |  |  | fa fa-battery-full |  |
| value | | | Number |  |  |  | 100 |  |
| centerVariable | | | String |  |  |  |  |  |
| bottomVariable | | | String |  |  |  |  |  |
| iconMin | | | Number |  |  |  |  |  |
| iconMax | | | Number |  |  |  |  |  |
| thresholdIcon | | | Object |  |  |  |  |  |
|  |  | | Object |  |  |  |  | Number |
|  |  | icon | String |  |  |  |  |  |
|  |  | color | String |  |  |  |  |  |
| class | | |  |  |  |  |  | ngClass |
| styles | | |  |  |  |  |  | ngStyle |

## **Simple 2 Widget**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| format | | | String |  |  |  | square, landscape |  |
| faTopLeft | | | String |  |  |  | fa fa-battery-full |  |
| value | | | Number |  |  |  | 100 |  |
| centerVariable | | | String |  |  |  |  |  |
| bottomVariable | | | String |  |  |  |  |  |
| iconMin | | | Number |  |  |  |  |  |
| iconMax | | | Number |  |  |  |  |  |
| thresholdIcon | | | Object |  |  |  |  |  |
|  |  | |  |  |  |  |  | On, Off |
|  |  | icon | String |  |  |  |  |  |
|  |  | color | String |  |  |  |  |  |
| class | | |  |  |  |  |  | ngClass |
| styles | | |  |  |  |  |  | ngStyle |

## **Gauge 1 Widget**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| format | | | String |  |  |  | square, landscape |  |
| faCenter | | | String |  |  |  |  |  |
| type | | | String |  |  |  | full, arch, semi |  |
| value | | | Number |  |  |  |  |  |
| centerVariable | | | String |  |  |  |  |  |
| bottomVariable | | | String |  |  |  |  |  |
| thick | | | Number |  |  |  |  |  |
| gaugeMin | | | Number |  |  |  |  |  |
| gaugeMax | | | Number |  |  |  |  |  |
| thresholdIcon | | | Object |  |  |  |  |  |
|  |  | |  |  |  |  |  | Number |
|  |  | icon | String |  |  |  |  |  |
|  |  | color | String |  |  |  |  |  |
| foregroundColor | | | String |  |  |  |  |  |
| class | | | String |  |  |  |  | ngClass |
| styles | | | Object |  |  |  |  | ngStyle |

## **Gauge 2 Widget**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| format | | | String |  |  |  | square, landscape |  |
| faCenter | | | String |  |  |  | feather-layers |  |
| type | | | String |  |  |  | full, arch, semi |  |
| value | | | Number |  |  |  |  |  |
| centerVariable | | | String |  |  |  |  |  |
| bottomVariable | | | String |  |  |  |  |  |
| thick | | | Number |  |  |  |  |  |
| gaugeMin | | | Number |  |  |  |  |  |
| gaugeMax | | | Number |  |  |  |  |  |
| iconMin | | | Number |  |  |  |  |  |
| iconMax | | | Number |  |  |  |  |  |
| thresholdIcon | | | Object |  |  |  |  |  |
|  |  | |  |  |  |  |  | Number |
|  |  | icon | String |  |  |  |  |  |
|  |  | color | String |  |  |  |  |  |
| thresholdColor | | | Object |  |  |  |  |  |
|  |  | |  |  |  |  |  | Number |
|  |  | color | String |  |  |  |  |  |
| foregroundColor | | | String |  |  |  |  |  |
| class | | | String |  |  |  |  | ngClass |
| styles | | | Object |  |  |  |  | ngStyle |

## **Gauge 3 Widget**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| format | | | String |  |  |  | square, landscape |  |
| faCenter | | | String |  |  |  | feather-droplet, feather-thermometer |  |
| type | | | String |  |  |  | full, arch |  |
| value | | | Number |  |  |  |  |  |
| centerVariable | | | String |  |  |  |  |  |
| bottomVariable | | | String |  |  |  |  |  |
| iconMin | | | Number |  |  |  |  |  |
| iconMax | | | Number |  |  |  |  |  |
| thresholdIcon | | | Object |  |  |  |  |  |
|  |  | |  |  |  |  |  | Number |
|  |  | icon | String |  |  |  |  |  |
|  |  | color | String |  |  |  |  |  |
| thresholdColor | | | Object |  |  |  |  |  |
|  |  | |  |  |  |  |  | Number |
|  |  | color | String |  |  |  |  |  |
| foregroundColor | | | String |  |  |  |  |  |
| class | | | String |  |  |  |  | ngClass |
| styles | | | Object |  |  |  |  | ngStyle |

## **Chart Widget**

| **Name** | | | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| format | | | String |  |  |  | square, landscape |  |
| type | | | String |  |  |  | area |  |
| yAxis | | | String |  |  |  |  |  |
| valueScaleX | | | Array |  |  |  |  |  |
| valueScaleY | | | Array |  |  |  |  |  |
| value | | | Number |  |  |  | 100 |  |
| series | | | Array |  |  |  |  |  |
|  | text | | String |  |  |  |  |  |
|  | values | | Array |  |  |  |  |  |
|  | backgroundColor | | String |  |  |  |  |  |
|  | lineWidth | | String |  |  |  | px |  |
|  | marker | | Object |  |  |  |  |  |
|  |  | visible | Boolean |  |  |  | true, false |  |
| class | | | String |  |  |  |  | ngClass |
| styles | | | Object |  |  |  |  | ngStyle |

## **Map Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| format | String |  |  |  | square, landscape |  |
| lat | String |  |  |  | area |  |
| lng | String |  |  |  |  |  |

## **Shape Widget**

| **Name** | **Data Type** | **M/O** | **Min** | **Max** | **Possible Value** | **Description** |
| --- | --- | --- | --- | --- | --- | --- |
| vertical |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# **List of Error Code Messages**

|  | **Error Code** | **Error Message** | **Remarks** |
| --- | --- | --- | --- |
|  | E400000 | Bad Request | Bad request |
|  | E400001 | JSON is invalid format | Invalid JSON format |
|  | E400002 | {0} is invalid data type. | Invalid data type. |
|  | E400003 | {0} is empty. | No input for mandatory field |
|  | E400004 | {0} is invalid format. | Invalid format |
|  | E400005 | {0} is not a valid value. | Invalid value |
|  | E400006 | {0} does not exist. | Not exist |
|  | E401000 | Unauthorized. | Authorization error |
|  | E401001 | ID/Pass authorization error | ID/Pass authorization error |
|  | E401002 | OTP unmatched | OTP unmatched |
|  | E403000 | Do not have access permission | Do not have access permission |
|  | E404000 | No such email | Email not found |
|  | E404001 | No such user | User not found |
|  | E404002 | No such state | State not found |
|  | E404003 | No such theme | Theme not found |
|  | E404004 | No such project | Project not found |
|  | E404005 | No such website | Website not found |
|  | E404006 | No such website data | Website data not found |
|  | E404007 | No such page data | Page data not found |
|  | E404008 | No OTP generated for specified user | No OTP generated for specified user |
|  | E404009 | No such package | No package information |
|  | E404010 | No such approve website | Approve website not found |
|  | E409001 | {0} is duplication. | Duplication error |
|  | E409002 | {0} is currently being edited | {0} is currently being edited |
|  | E429001 | Over limit interval | Over limit interval |
|  | E429002 | Over limit created times | Over limit created times |
|  | E429003 | Over limit unmatched times | Over limit unmatched times |