Date :  30-June-23

Google Calendar

version:1.0.1

# **Overview**

## Google Calendar is a management and scheduling service that can be used to create and edit events, to-do lists, resource bookings, and other features. The Google Calendar data adapter integrates the Google Calendar APIs with Volt Foundry.

## **Use case**

### You can use the data adapter in scenarios such as: an events information app, in which a user can mark and track events on their Google Calendar..

## **Percentage of re-use:**

70% (Data can be customizable and customer need to implement UI by themsel ves).

# **Getting Started**

## **Prerequisites**

Before you start using the Google Calendar data adapter, ensure you have the following:

* [HCL Foundry](https://manage.hclvoltmx.com/)
* Volt MX Iris
* Google calendar account.

## **Platforms Supported**

### Mobile

#### iOS

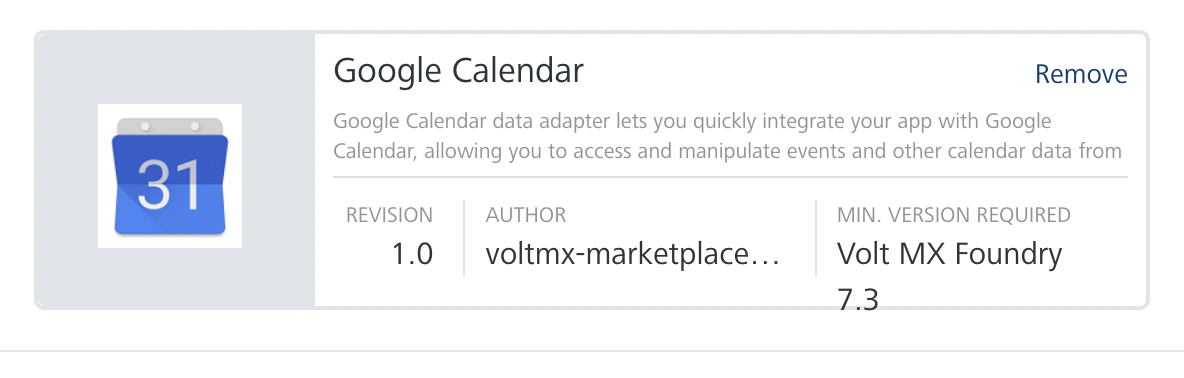
#### Android

## **Importing the adapter**

**To import the Data Adapter to Volt Foundry, do the following:**

1. Sign in to the  [HCL Foundry](https://manage.hclvoltmx.com/).
2. From the left navigation menu, select **API Management**.
3. In **API Management**, select **Custom Data Adapters**.  
   
4. Click **IMPORT** to import a custom data adapter.  
   
5. On the Import Data Adapter dialog box, click browser to import.  
   
6. Selected Google Calendar data adapter zip file and click **IMPORT**.

After you import the data adapter, Volt Foundry opens a window that shows the metadata of the data adapter.



After you import the data adapter, you can view it on the Custom Data Adapters page and use it to create services on Volt Foundry.

**Creating an Identity Service**

To use the Google Calendar APIs, you need to create an identity service that uses OAuth 2.0 for authentication.

**To create an identity service, follow these steps:**

1. Sign in to the [HCL Foundry](https://manage.hclvoltmx.com/).

2. From the left navigation menu, select **API Management**.

3. Under **APIs**, on the **Identity** tab, click **CONFIGURE NEW**.

1. From the **Type of Identity** list, select **OAuth 2.0**.
2. In the **Authorize Endpoint** box, type this link:

https://accounts.google.com/o/oauth2/v2/auth

1. In the **Token Endpoint** box, type this link:

https://www.googleapis.com/oauth2/v4/token

1. In the **Scope** box, type either of the following links:
   * For **Read and Write** access to Calendar:

https://www.googleapis.com/auth/calendar

* + For **Read only** access to Calendar:

https://www.googleapis.com/auth/calendar.readonly

8.Under **Client Details**, type the Client ID and Client Secret that you received from Google.  
For information on obtaining the **Client Details**, refer to [Obtaining the Client ID and Client Secret](https://docs.kony.com/marketplace/V8Marketplace/Content/Marketplace/googlecalendar.htm#Obtaining).

**A screenshot of a computer

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**Note:**  
If you want to verify the details, click **TEST LOGIN** and sign in by using your Google credentials.

9.Click Save

## **D. Obtaining the Client ID and Client Secret**

To obtain the client ID and client secret from Google, you need to perform the following steps:

[Open](javascript:void(0);)[Authorizing the Voltmx Cloud Domain](javascript:void(0);)

To use the Google APIs in a domain, you need to authorize the domain on the Google Developer Console.

To authorize the Voltmx Cloud domain, follow these steps:

1. Sign in to the [Google Developer Console](https://console.developers.google.com/).
2. From the left pane, select **OAuth consent screen**.
3. Under **Authorized Domains**, in the text box, type **hclvoltmx.net**, and then press Enter.
4. Click **Save**.

[Open](javascript:void(0);)**[Obtaining the Callback URL](javascript:void(0);)**

1. Sign in to the [Google developer console](https://manage.hclvoltmx.com/).
2. Open or Edit the [Identity Service that you created earlier](https://docs.kony.com/marketplace/V8Marketplace/Content/Marketplace/googlecalendar.htm#Creating_Identity).
3. Under **Provider Details**, for the **Callback URL**, click **Copy**.

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Description automatically generated with low confidence

**[Open](javascript:void(0);)****[Adding a Redirect URL on Google](javascript:void(0);)**

1. Sign in to the [Google Developer Console](https://console.developers.google.com/).
2. From the left pane, select **Credentials**.
3. On the **Credentials** page, click **Create credentials**, and then select **OAuth client ID**.
4. Under **Application** type, select **Web application**.
5. Under **Authorized redirect URIs**, in the text box, type the **Callback URL** that you Obtained from Volt Foundry.
6. Click **Create**.

After you create the credentials, the Google Developer Console displays your **Client ID** and **Client Secret**.

You need to add the Client ID and Client Secret to the [Identity Service that you created earlier](https://docs.kony.com/marketplace/V8Marketplace/Content/Marketplace/googlecalendar.htm#Creating_Identity).

**[Creating an Integration service](javascript:void(0);)**

After you import the data adapter into Volt Foundry, you can use it to create an Integration Service.

Follow the given steps to create an Integration service using the Google Calendar Data Adapter.

1. Sign in to the [HCL Foundry](https://manage.hclvoltmx.com/).
2. From the left navigation menu, select **API Management**.
3. In **API Management**, select **Integration**.  
   
4. To create a new service, click the **+** button or the **CONFIGURE NEW** button.  
   
5. On the Service Definition tab, select the service type as Google Calendar, and click **SAVE**.  
   A screenshot of a computer

   Description automatically generated with medium confidence

**[Open](javascript:void(0);)****[Creating and Executing operations](javascript:void(0);)**

After you create an integration service, you can create and execute operations using the service.

#### **Creating an Operation**

1. In **API Management**, in the **Integration** section, select the service that you created.
2. After you select the service, navigate to the **Operation List** tab.  
   
3. From the drop down list, select an operation that you want to execute, and click **ADD OPERATION**.  
   A screenshot of a computer

   Description automatically generated with medium confidence

**Note:**

* After you add operations to your service, you can [execute the operations](https://docs.kony.com/marketplace/V8Marketplace/Content/Marketplace/googlecalendar.htm#Executing_Operations) to make API calls to Google Calendar.
* You can also use the Integration Service in your Volt Foundry applications. For more information, refer to [How to Use an Existing Integration Service](https://docs.kony.com/konylibrary/konyfabric/kony_fabric_user_guide/Default.htm#Manage_Existing_Integration_Services_1.htm%23Use_existing_Inte).

#### **Executing an Operation**

1. From the **Operations List** tab, in the **Configured Operations** section, select the operation you want to execute.

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Description automatically generated

1. On the Operation Page, in the Request Input tab, enter a TEST VALUE for all the fields.  
   A screenshot of a test

   Description automatically generated with medium confidence
   * **Calendarid:**obtain calendared from the Google calendar
   * **Key**: Obtain API key from the Google developer console

**Note:**

* For parameters such as calendar**id**, **key**, and **oauth\_token**, make sure that the values are not **null**.
* For parameters that are not marked as **REQUIRED**, either specify a value, or delete the parameter.  
  Otherwise, an error occurs in the output response.

1. Select a run-time environment and click **Save and Fetch Response** to get a response from Google calendar based on your inputs.

[Open](javascript:void(0);)**[Publishing your application](javascript:void(0);)**

If you want to use the services in client applications, you need to publish the app to a run-time environment.

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You can also link the Volt Foundry app to a client application.

**Note:** For more information on the input requests, you can refer to the [Google calendar Documentation](https://developers.google.com/calendar/api/v3/reference).

## **Properties**

-- None of the properties are exposed.

## **Events**

-- None of the events are exposed.

## **API’s**

-- None of the APIs are exposed.

# **Revision History**

Adapter version 1.0.1:

## **Known Issues**

None

## **Limitations**

None