Date : 12-Mar-2024

social share

version: 2.0.1

# **Overview**

This component provides sharing different media content over the internet. APIs are provided to share files with other people.

## **Use case:**

### Social share is a typical option included in a variety of applications especially e-commerce.

## **Features**

### Different options for sharing are provided when the API is called.

### Sharing can be done for single/multiple files.

### It works for different types of files such as images, videos, and Documents.

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

80-90%. (Data can be customizable and skins are not customized but can be changed manually)

# **Getting Started**

## **Prerequisites**

Before you start using the component, ensure you have the following:

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

## **Platforms Supported**

### Mobile

#### iOS

#### Android

### Tablets

#### iOS

#### Android

## **Importing the app**

1. Open your app project in Volt MX Iris.

2. In the Project Explorer, click the **Templates** tab.

Graphical user interface, text, application

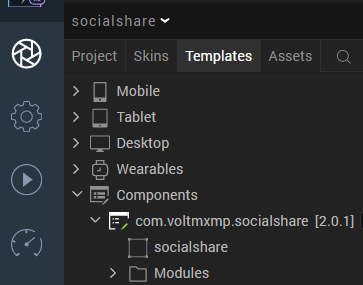
Description automatically generated

3.Right-click **Components**, and then select **Import Component**. The **Import Component** dialog box appears.

Graphical user interface, text, application, Teams

Description automatically generated

4.Click **Browse** to navigate to the location of the component, select the component, and then click **Import**. The component and its associated widgets and modules are added to your project.



Once you have imported a component to your project, you can easily add the component to a form. For more information, refer [Add a Component to a Form](https://opensource.hcltechsw.com/volt-mx-docs/docs/documentation/Iris/iris_user_guide/Content/C_UsingComponents.html#add-a-component-to-a-form).

## **Configuring Native Settings (Android)**

### Configuring the Manifest file (Application Tag)

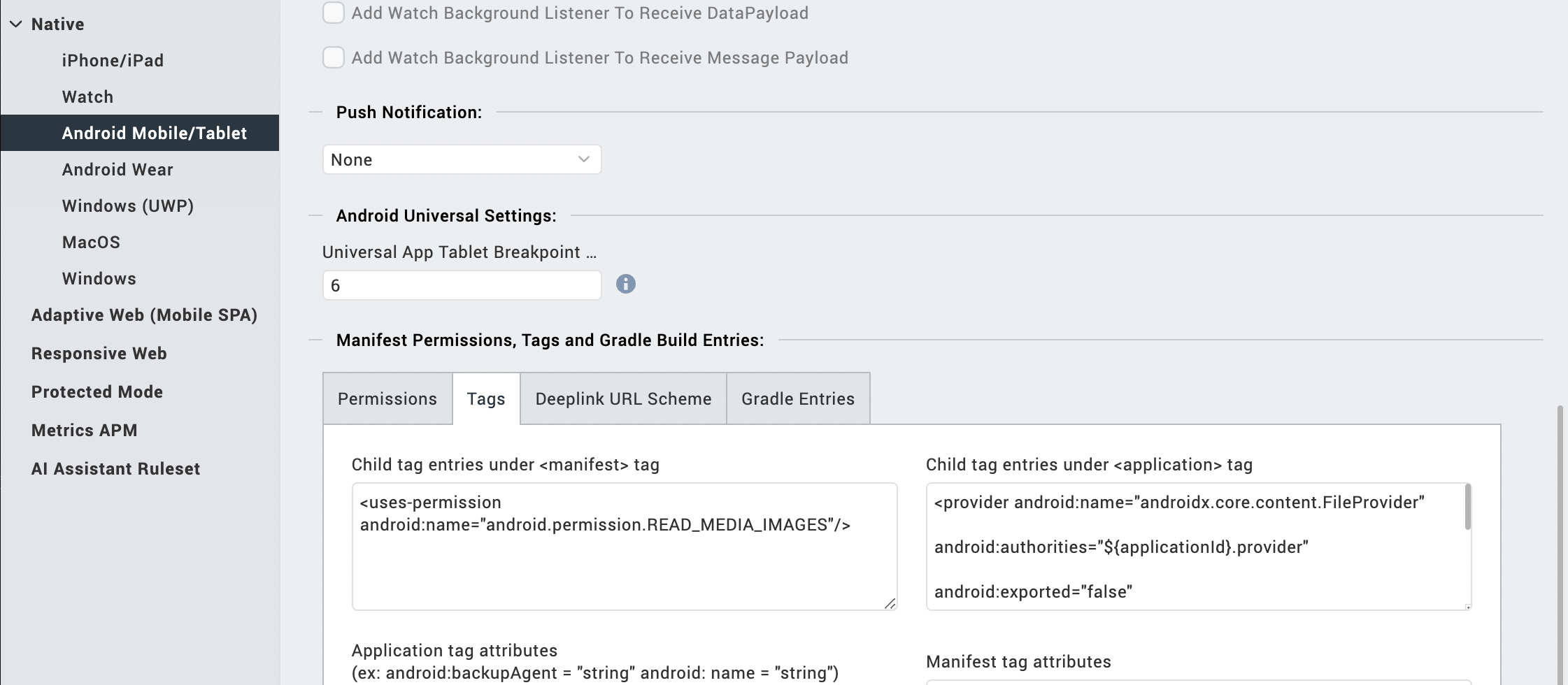
To access files that you add to your project from the device, you need to create an XML file that specifies the directories that you want to share. For more information, refer to [Specifying the Sharable Directories in the XML file](https://docs.kony.com/konylibrary/visualizer/viz_api_dev_guide/content/sharefilesandroid.htm#Specify2).

After you create the **XML** file, copy the file into the following folder of your project workspace: **resources/mobile/native/android/xml**. If the **xml** folder does not exist, you can create the folder.

After you copy the file to the Android folder, you need to configure the **Manifest properties** of the project.

Follow the given steps to configure the application tag.

1. Open your **Project Settings** from Volt MX Iris.
2. Go to the **Native** – **Android Mobile/Tablet**
3. Under **Android**, go to tab **Tags**.



1. Enter the given code snippet in **Child tag entries under <application> tag**.

<provider android:name="androidx.core.content.FileProvider"

android:authorities="${applicationId}.provider"

android:exported="false"

android:grantUriPermissions="true">

<meta-data android:name="android.support.FILE\_PROVIDER\_PATHS"

android:resource="@xml/filepaths" />

</provider>

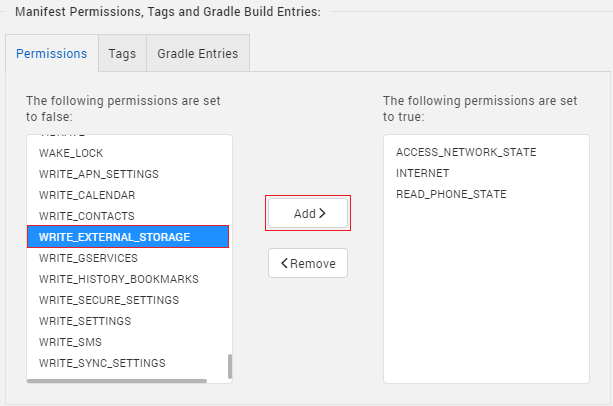
1. Enter the given snippet in **Child tag entries under <manifest > tag**.

<uses-permission android:name="android.permission.READ\_MEDIA\_IMAGES"/>

### Run-time Permissions

On the Android platform, the social share component requires the **WRITE\_EXTERNAL\_STORAGE** permissions.

To enable the permissions, follow these steps:

1. From the left navigation bar, select **Project Settings**.
2. From the **Project Settings** window, go to **Native** → **Android Mobile/Tablet**.
3. Scroll down to **Manifest Permissions, Tags and Gradle Build Entries**.
4. Set the **WRITE\_EXTERNAL\_STORAGE** permission to **true**.  
   To set a permission to true, select the permission from the left panel and click **Add >**.  
   

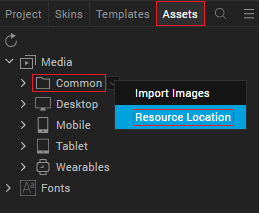
**Note:** Need to enable "Use Google Pay Location Services" for android in the project settings. From **Project Settings** window, go to **Native → Android Mobile/Tablet** and enable **Use** **Google Pay Location Services**.

A screenshot of a computer

Description automatically generated

## **Configuring Native Settings (iOS)**

Follow the given steps to enable the permissions.

1. From the **Project** explorer, navigate to the **Assets** tab.
2. Right click **Media** and select **Resource Location** to open the project resources folder.  
   [](https://docs.kony.com/marketplace/Jumio/Content/Resources/Images/marketplace_resource_location.png)
3. In the browser window that opens, navigate to the **common** folder.
4. Open the **infoplist\_configuration.json** file with a text or code editor.
5. Add the given code at the end of the file. You can replace the values with your own descriptions.

{

"NSCameraUsageDescription" : "Your Description",

"NSPhotoLibraryUsageDescription": "Your Description",

"NSPhotoLibraryAddUsageDescription”:” Your Description”

}

Graphical user interface, text, application

Description automatically generated

1. Save the file.

## **Building and previewing the app**

## Refer to below links:

### [**Build & Generate Native Apps**](https://opensource.hcltechsw.com/volt-mx-docs/docs/documentation/Iris/iris_user_guide/Content/Cloud_Build_in_VoltMX_Iris.html#cloud)

### [**Publish Apps to Enterprise App Store**](https://opensource.hcltechsw.com/volt-mx-docs/docs/documentation/Iris/iris_user_guide/Content/EAS.html#accessing)

# **References**

## **Dynamic Usage**

1. In the **Project Explorer**, on the **Projects** tab, click **Controllers** section to access the respective **Form Controller**. Create a method and implement the code snippet similar to the sample code mentioned below.

In the code snippet, you can edit the properties of the component as per your requirement. For more information, see Setting Properties.

var socialshare = new com.voltmxmp.socialshare(

{

"autogrowMode": voltmx.flex.AUTOGROW\_NONE,

"clipBounds": true,

"height": "50%",

"id": "socialshare",

"isVisible": true,

"left": "0dp",

"top": "0dp",

"width": "100%"

}, {}, {});

/\* Setting the component's properties \*/

socialshare.title = "Share To";

/\* Adding the component to a form \*/

this.view.add(socialshare);

1. **Save** the file.

## **Properties**

#### **Android**

###### **Title**

|  |  |
| --- | --- |
| **Description:** | Specifies the title for the share dialogue. |
| **Syntax:** | title |
| **Type:** | String |
| **Read/Write:** | Write |
| **Default Value:** | "Voltmx" |
| **Example:** | this.view.<componentID>.title = "Share To"; |

## **Events**

###### **onErrorCallback**

|  |  |
| --- | --- |
| **Description:** | Invoked when an error occurs in the component. |
| **Syntax:** | onErrorCallback |
| **Parameters:** | *error [Object]*: Information about the error such as error type and error message. |
| **Example:** | this.view.<componentID>.onErrorCallback = function(error)  {  alert("Error: "+error);  }.bind(this); |

## **API’s**

The following APIs pertain to the Social Share component:

###### **shareWithFilepath**

|  |  |
| --- | --- |
| **Description:** | Shares files using the file paths. |
| **Syntax:** | shareWithFilepath(filepaths) |
| **Parameters:** | *filepaths [Array]*: Contains the paths of the files that you want to share. |
| **Return Value:** | None |
| **Example:** | var filepaths =  [  "/storage/emulated/0/sample.png",  "/storage/emulated/0/sample2.png"  ];  this.view.componentID.shareWithFilepath(filepaths); |

###### **shareWithBase64**

|  |  |
| --- | --- |
| **Description:** | Shares a file using the name and base64 value. |
| **Syntax:** | shareWithBase64(base64, filename) |
| **Parameters:** | *base64 [String]:* The base64 value of the file that you want to share.  *filename [String]*: The name of the file that you want to share. |
| **Return Value:** | None. |
| **Example:** | var base64 = this.view.imageWidget.base64;  var filename = "imageName.png";  this.view.componentID.shareWithBase64(base64, filename); |

# **Revision History**

App version 2.0.1

## **Known Issues**

## N/A

## **Limitations**

### In IOS, while sharing the Documents, can’t see Instagram in the options to share.

### In Android, while sharing the documents, can’t see Facebook, Instagram in the options to share.

### In IOS, we can’t share images, videos through WhatsApp.