4 Oct 2023

Image Zoom component(1.0.0)

# Overview

The Image Zoom component provides image zooming functionality. It takes remote URL as an input and caters pinch zoom in/out and double tap zoom in/out features.

## Use case

 1. a Photo viewing app requires to provide the Zoom in/out functionality to see the images into more details.

 2. In E commerce apps, to view the product image to minute details this component helps in zoom in/out the image.

 B .Percentage of re-use:

Approximate 90% of reuse. It sets an expectation of how much can be used out of the box, and how much needs to be customized for a specific app.

 C. Features

1. The component does not use any third party library, it is purely written in native.
2. Uses NFI 3.0

2. Getting Started

## A. Prerequisites

 Before you start using the Image Zoom component, ensure the following:

 • Volt MX Iris

## Platforms Supported

### Mobile

#### iOS

#### Android

### Tablets

## Importing the app

## You can import the Forge components only into the apps that are of the Reference Architecture type.

##  **To import the Image Zoom component, do the following:**

## Open your app project in Volt MX Iris.

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

 

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



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.

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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%22%20%5Cl%20%22add-a-component-to-a-form)

## Building and previewing the app

After performing all the above steps, you can build your app and run it on your device. For more information, you can refer to the [Building and Viewing an Application](https://opensource.hcltechsw.com/volt-mx-docs/docs/documentation/Iris/iris_user_guide/Content/Cloud_Build_in_VoltMX_Iris.html#cloud) section of the Volt MX User Guide.

 You can then run your app to see the Image Zoom work in real time.

# 3. References

## Dynamic Usage

 You can also add **Image Zoom** component dynamically. To do so,

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.

/\* Creating Image Zoom component instance \*/

var ImageZoom = new com.hcl.ImageZoom ({

 "height": "100%",

 "id": "Image Zoom",

 "isVisible": true,

 "left": "0dp",

 "masterType": constants.MASTER\_TYPE\_USERWIDGET,

 "isModalContainer": false,

 "skin": "slFbox",

 "top": "0dp",

 "width": "100%",

 "zIndex": 1,

 "overrides": {

 "ImageZoom": {

 "right": "viz.val\_cleared",

 "bottom": "viz.val\_cleared",

 "minWidth": "viz.val\_cleared",

 "minHeight": "viz.val\_cleared",

 "maxWidth": "viz.val\_cleared",

 "maxHeight": "viz.val\_cleared",

 "centerX": "viz.val\_cleared",

 "centerY": "viz.val\_cleared"

 }

 }

 }, {

 "overrides": {}

 }, {

 "overrides": {}

});

 /\*Adding the Image Zoom component to a Form\*/

this.view.add(ImageZoom);

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

2. Save the file

4.Configuring Deployment Target - iOS

1. From the left navigation menu, click **Project Settings**.
2. In the **Project Settings** window, go to **Native** → **iPhone/iPad**.
3. Under **Target Versions**, from the **iOS Version** list, select **11.0** or higher.



Configuring Deployment Target - Android

1. From the left navigation menu, click **Project Settings**.
2. In the **Project Settings** window, go to **Native** → **Android Mobile/Tablet**.
3. Under **SDK Versions**, from the **Minimum SDK** list, select **21.0** or higher.

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## 5. API’s

###  i. updatePlaceHolderImage

|  |  |
| --- | --- |
|  **Description:** | This API meant to set the place holder image. This image will be reflected when actual remote image fails to load. It accepts only local images as a placeholder. |
|   **Syntax:** | updatePlaceHolderImage() |
|  **Parameters:** | String - Image name(image must be placed at following locationsAndroid - /resources/mobile/native/android/drawableiOS - /resources/mobile/native/iphone/mainbundle) |
|  **Return Value:** |  None |
|  **Remarks:**  | Image name(parameter) must be passed without extensions like .png or .jpeg  |
|  **Example:** | this.view.ImageZoom.updatePlaceHolderImage(“placeholder”); |

###  ii. registerCompletionCallback

|  |  |
| --- | --- |
|  **Description:** | Registers the callback to get an event when image loading is completed, this helps control the loading indicators. In this callback, it is preferred to remove the loading indicator. |
|   **Syntax:** | registerCompletionCallback(function(status){}) |
|  **Parameters:** | Callback  |
|  **Return Value:** |  None |
|  **Remarks:**  | It returns the status flag in the callback parameter, based on that it can determined the status of image loading into the component.  |
|  **Example:** | this.view.ImageZoom.registerCompletionCallback(function(status) { }); |

###

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| iii. imageWithURL

|  |  |
| --- | --- |
|  **Description:** | This API accepts the remote Image URL, and loads that image into the component. And loaded image can be performed zoom in/out operations. |
|   **Syntax:** | imageWithURL(“https://image.com/imagename”) |
|  **Parameters:** | String – Remote image address |
| **Return Value:** |  None |
| **Remarks:** | None |
|  **Example:** | this.view.Image.imageWithURL(“https://image.com/imagename”); |

 |  |

 App version 1.0.1:

## Limitations

B. Known Issue