**Portal for ArcGIS 10.3 / 10.3.1**

Installing Custon Widget for use in Web App Builder



**Overview**



This document will walk you through the steps required to add custom widgets to your Portal for ArcGIS 10.3 / 10.3.1 deployment. Please note that these steps will not work with ArcGIS Online and may differ slightly with previous versions of Portal for ArcGIS (v.10.2.2 and earlier).

**Prerequisites:**

- Portal for ArcGIS 10.3 / 10.3.1

- Custom Web App Builder Widget

To create a custom widget that is compatible with the Web App Builder, please follow the steps in the following document: <https://developers.arcgis.com/web-appbuilder/sample-code/create-custom-in-panel-widget.htm>

- Edit permissions on the Portal for ArcGIS install directory and sub directories

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**Step 1**

Copy custom widget to the following two directories:

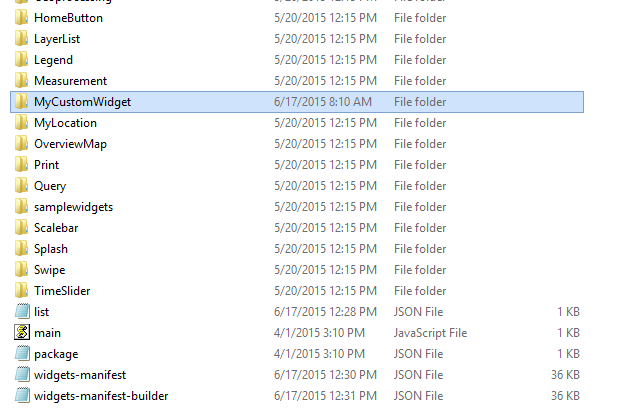
"<install\_location>\ArcGIS\Portal\apps\webappbuilder\stemapp\widgets\"

"<install\_location>\ArcGIS\Portal\apps\webappviewer\widgets\"

The default locations are:

"C:\Program Files\ArcGIS\Portal\apps\webappbuilder\stemapp\widgets"

"C:\Program Files\ArcGIS\Portal\apps\webappviewer\widgets\"



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**Step 2**

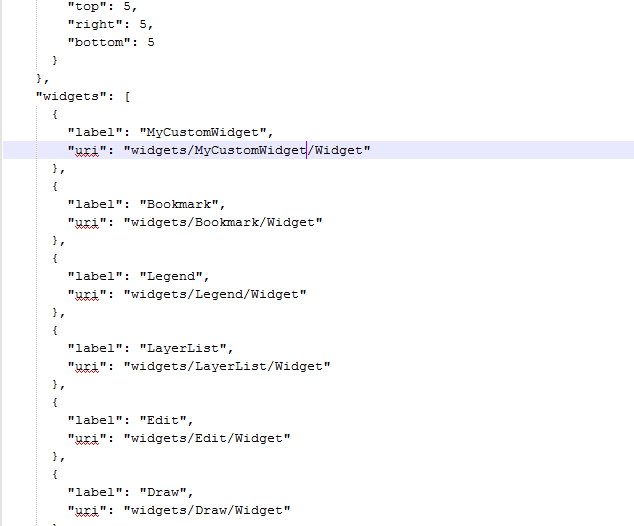
Make the following changes to the **"config.json"** file in the following locations:

"<install\_location>\ArcGIS\Portal\apps\webappbuilder\stemapp\"

"<install\_location>\ArcGIS\Portal\apps\webappviewer\"

- Under the **"\_buildInfo"** section, set **"widgetManifestsMerged": true**

- Add custom widget to the "WidgetPool"\"widgets"



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**Step 3**

Add your widget's manifest to the widget manifest file ("**widgets-manifest-builder.json**")

"<install\_location>\ArcGIS\Portal\apps\webappbuilder\stemapp\widgets\"

"<install\_location>\ArcGIS\Portal\apps\webappviewer\widgets\"

Example of a menifest:

"widgets/MyCustomWidget/Widget": {

"name": "MyCustomWidget",

"2D": true,

"3D": false,

"platform": "HTML",

"version": "1.0",

"wabVersion": "1.0",

"author": "Esri South Africa",

"description": "My Custom Widget",

"copyright": "Esri South Africa",

"license": "<http://www.apache.org/licenses/LICENSE-2.0>",

"properties": {

"inPanel":true,

"hasLocale": false,

"hasStyle":true,

"hasConfig":true,

"hasUIFile":true,

"hasSettingPage":false,

"hasSettingUIFile":false,

"hasSettingLocale":false,

"hasSettingStyle":false,

"IsController":false

},

"category": "widget",

"i18nLabels": {

"defaultLabel": "My Custom Widget"

}

},

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**Step 4 & 5**

**Step 5**

Restart your Portal for ArcGIS service

**Step 6**

Create a new Web Application and add your custom widget

