**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

****

**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\"



****

**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"



****

**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"

 }

 },

****

**Step 4 & 5**

**Step 5**

Restart your Portal for ArcGIS service

**Step 6**

Create a new Web Application and add your custom widget

