

# Akumina Digital Workplace GLC Quick Start

Version 1.1 (May 2016)

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# Overview

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In this document we will go through an example of using the Digital Workplace widget framework to build a Generic List Widget (GLC). A GLC is a widget that will utilize data that is stored within a SharePoint list on your Digital Workplace site. The Widget Definitions is already predefined within our framework so the only elements you will need to create are:

- ***The SharePoint List, which stores the data***
- ***The Callback, which retrieves the data***
- ***The Template, which displays the data***

# GLC – List Items

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## Screenshot

Key	Value
Product	Interchange
Company	Akumina
Site	Digital Workplace
Microsoft	SharePoint

## How to Deploy

1. Create the Sample\_AK list within your Digital Workplace site. The Sample\_AK list will need an additional text field called 'Value'
2. Download digitalworkplace.custom.js from the "/Style Library/DigitalWorkplace/JS" folder within SharePoint
3. Paste the Callback within digitalworkplace.custom.js
4. Upload the updated digitalworkplace.custom.js to the "/Style Library/DigitalWorkplace/JS" folder within SharePoint
5. In the Management Apps tab of Interchange, click on the View Manager. Click "Add New". In the left pane navigate to "/DigitalWorkplace/Content/Templates/" for the folder path. Click "Choose File", navigate to your custom template (ListItems.html). Click "Save". Repeat for ListItems2.html.
6. In the Management Apps tab of Interchange, click on the Widget Manager app. Then in the list of Widgets find the GenericList widget. Click Edit. Add our newly added templates to the WidgetViews field. Refer to the values in the Widget Manager – Widget Definition section
7. In the Manage Widgets window, find the GenericList widget and click its 'View Widget Definitions' button. Then click on 'Add New'. Create your widget instance with the values in the Widget Manager – Widget Instance section. Click Save & Exit
8. Copy the Widget Snippet of your Widget Instance.
9. Paste the snippet into a Content Editor Web Part on a page within the site. Publish the page.
10. Flush your cache by clicking on the Akumina icon in the left rail, clicking the refresh icon, then clicking "Refresh All Cache"
11. Refresh the page. You will see your GLC List Items Widget

## Sample\_AK

Create a new custom list called 'Sample\_AK'. Add an additional column called 'Value' with the type 'Single Line of Text'. Add the following values to the list.

# Sample\_AK

[+](#) new item or edit this list

All Items



Find an item



✓	Title		Value
	Product ✖	...	Interchange
	Company ✖	...	Akumina
	Site ✖	...	Digital Workplace
	Microsoft ✖	...	SharePoint

## Callback

```
function ListItems(data) {
  var itemList = {};
  itemList.Items = [];
  for (var i = 0; i < data.Items.length; i++) {

    itemList.Items.push({ Key: data.Items[i].Title, Value: data.Items[i].Value });
  }
  return itemList;
}
```

## Templates

ListItems.html

```
<div>
  {{#if Items}}
  <table>
    <thead>
      <tr><th>Key</th><th>Value</th></tr>
    </thead>
    {{#Items}}
      <tr><td>{{Key}}</td><td>{{Value}}</td></tr>
    {{/Items}}
  </table>
  {{else}}
    No Items available.
  </div>
```

```
    {{/if}}  
</div>
```

ListItems2.html

```
{{debug}}  
  
<div>  
    {{#if Items}}  
    <ul>  
        {{#Items}}  
        <li><strong>Key:</strong> {{Key}}, <strong>Value:</strong> {{Value}}</li>  
        {{/Items}}  
    </ul>  
    {{else}}  
        <h2>No Items available</h2>  
    {{/if}}  
</div>
```

## Widget Manager – Widget Definition

As this is a GLC widget we will be editing the GenericList widget within the Widget Manager.

The screenshot shows the Widget Manager interface for the GenericList widget. The widget name is 'GenericList' and the class is 'Akumina.AddIn.GenericListControlWidget'. There are three buttons: 'VIEW DEFINITIONS', 'EDIT' (highlighted with a green box), and 'REMOVE'.

We will only be adding our new views to the WidgetViews section

ListItems-Table	/Style Library/DigitalW	VIEW PICKER	-
ListItems-List	/Style Library/DigitalW	VIEW PICKER	-

### WidgetViews

#### ListItems-Table

View Name

ListItems-Table

Relative Template Url

/Style Library/DigitalWorkplace/Content/Templates/ListItems.html

#### ListItems-List

View Name

ListItems-List

Relative Template Url

/Style Library/DigitalWorkplace/Content/Templates/ListItems2.html

## Widget Manager – Widget Instance

Property Name	Property Value																																																
Title	ListItems1																																																
WidgetName	GenericList																																																
WidgetInstanceid	3647f09e-e12a-48b7-bb33-d5711895d831																																																
WidgetProperties	<table><thead><tr><th>Property Name</th><th>Property Value</th><th>Property Type</th><th>Hide Field</th></tr></thead><tbody><tr><td>isroot</td><td>true</td><td>True/False</td><td><input type="checkbox"/></td></tr><tr><td>selectfields</td><td>Title,Value</td><td>Text</td><td><input type="checkbox"/></td></tr><tr><td>ispaging</td><td>false</td><td>True/False</td><td><input type="checkbox"/></td></tr><tr><td>pagesize</td><td>10</td><td>Number</td><td><input type="checkbox"/></td></tr><tr><td>listname</td><td>Sample_AK</td><td>Text</td><td><input type="checkbox"/></td></tr><tr><td>callbackmethod</td><td>ListItems</td><td>Text</td><td><input type="checkbox"/></td></tr><tr><td>isasynccallback</td><td>false</td><td>True/False</td><td><input type="checkbox"/></td></tr><tr><td>viewxml</td><td></td><td>Text</td><td><input type="checkbox"/></td></tr><tr><td>callbacktype</td><td>postdataload</td><td>Text</td><td><input type="checkbox"/></td></tr><tr><td>dataloadproperties</td><td></td><td>Text</td><td><input type="checkbox"/></td></tr><tr><td>cacheinterval</td><td></td><td>Text</td><td><input type="checkbox"/></td></tr></tbody></table>	Property Name	Property Value	Property Type	Hide Field	isroot	true	True/False	<input type="checkbox"/>	selectfields	Title,Value	Text	<input type="checkbox"/>	ispaging	false	True/False	<input type="checkbox"/>	pagesize	10	Number	<input type="checkbox"/>	listname	Sample_AK	Text	<input type="checkbox"/>	callbackmethod	ListItems	Text	<input type="checkbox"/>	isasynccallback	false	True/False	<input type="checkbox"/>	viewxml		Text	<input type="checkbox"/>	callbacktype	postdataload	Text	<input type="checkbox"/>	dataloadproperties		Text	<input type="checkbox"/>	cacheinterval		Text	<input type="checkbox"/>
Property Name	Property Value	Property Type	Hide Field																																														
isroot	true	True/False	<input type="checkbox"/>																																														
selectfields	Title,Value	Text	<input type="checkbox"/>																																														
ispaging	false	True/False	<input type="checkbox"/>																																														
pagesize	10	Number	<input type="checkbox"/>																																														
listname	Sample_AK	Text	<input type="checkbox"/>																																														
callbackmethod	ListItems	Text	<input type="checkbox"/>																																														
isasynccallback	false	True/False	<input type="checkbox"/>																																														
viewxml		Text	<input type="checkbox"/>																																														
callbacktype	postdataload	Text	<input type="checkbox"/>																																														
dataloadproperties		Text	<input type="checkbox"/>																																														
cacheinterval		Text	<input type="checkbox"/>																																														



ListItems-Table	/Style Library/DigitalW	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
ListItems-List	/Style Library/DigitalW	<input checked="" type="checkbox"/>	<input type="radio"/>

Title

ListItems1

WidgetProperties

selectfields

Title,Value

listname

Sample\_AK

callbackmethod

ListItems

WidgetOptions

*ListItems-Table*

Display View

Checked

Selected View

Selected

*ListItems-List*


Display View

Checked

Selected View

Not Selected

## Widget Manager – Widget Snippet

 ListItems1	GenericList	<pre>&lt;div rel="ListItems1" class="ak-widget" id="3647f09e-e12a-48b7-bb33-d5711895d831"&gt;&lt;/div&gt;</pre>	<input type="button" value="EDIT"/> <input type="button" value="REMOVE"/>
		<input type="button" value="COPY"/>	

## Widget Manager – Changing the View

### Widget Manager

Widget Views

Views: ListItems-List  
ListItems-Table  
ListItems-List

Widget Properties

Property Name	Property Value
isroot	true
selectfields	Title,Value
ispaging	<input type="checkbox"/>
pagesize	10
listname	Sample_AK
callbackmethod	ListItems
isasynccallback	<input type="checkbox"/>
viewxml	
callbacktype	postdataload
dataloadproperties	
cacheinterval	
id	3647f09e-e12a-48b7-bb33-d5711895d831
widgetname	GenericList

Minutes Remaining in Cache: 60

- **Key:** Product, **Value:** Interchange
- **Key:** Company, **Value:** Akumina
- **Key:** Site, **Value:** Digital Workplace
- **Key:** Microsoft, **Value:** SharePoint

## Adding to the Dashboard

### How to Deploy

1. In the Management Apps Tab of InterChange, click on the Dashboard Widget Manager. Then Click Add New. Add the instance of the ListItems GLC we just created. Use the Dashboard Widget Manager for reference. Click Save & Exit
2. Navigate to the Dashboard.aspx page of your site. Click Customize, check ListItemsDashboard. Click Save.

3. Flush your cache by clicking on the Akumina icon in the left rail, clicking the refresh icon, then clicking "Refresh All Cache"
4. Refresh the page. You will see your GLC List Items Widget

## Dashboard Widget Manager

The screenshot shows the 'Dashboard Widget Manager' interface. The sidebar on the left has a 'Dashboard Widget Manager' link. The main content area is titled 'Dashboard Widget Manager - Add New Dashboard Widget Item'. At the top of the main area are three buttons: 'SAVE & EXIT', 'SAVE', and 'CANCEL'. Below these buttons is a table with two columns: 'Property Name' and 'Property Value'.

Property Name	Property Value
Title	ListItemsDashboard
Widget Instance	ListItems1
IsEnabled	<input checked="" type="checkbox"/>

### *Title*

ListItemsDashboard

### *Widget Instance*

ListItems1

### *IsEnabled*

Checked

## Screenshots

The screenshot shows a dialog box with the title 'Select items to display on your dashboard.' and a close button (X) in the top right corner. The dialog contains a list of items with checkboxes:

- My Team
- My Favorites
- Documents Summary List
- My Forms
- My Apps
- ListItemsDashboard

At the bottom of the dialog are two buttons: 'Save' and 'Cancel'.

<b>Key</b>	<b>Value</b>
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Product	Interchange
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Company	Akumina
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Site	Digital Workplace
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	Microsoft SharePoint
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