Sharing to Portal from ArcGIS Pro

Thomas Noble
Leanndra Arechederra-Romero
Road Map
Portal sharing workflows

- ArcGIS Pro 1.4.1 and Portal for ArcGIS 10.5
- Overview of on Premise Web GIS environment requirements
- Demo sharing packages, layers, and web maps
- Demo sharing web tools and locators
- Questions
Overview Of On Premise Web GIS Environment Requirements & Benefits
ArcGIS Pro 1.4.1 and Portal 10.5
On Premise Web GIS (3D capability)

Requirements:

• Federated Portal for ArcGIS and ArcGIS Server (10.3.1 or later)

• ArcGIS Data Store registered with ArcGIS Server (making it site’s managed database)
ArcGIS Pro 1.4.1 and Portal 10.5

On Premise Web GIS (No 3D capability)

Requirements:

• Federated Portal for ArcGIS and ArcGIS Server (10.3.1 or later)

• Your own enterprise geodatabase registered with ArcGIS Server (making it site’s managed database)
Benefits

Premium companion for:

• Authoring and sharing Web Scenes, Web Maps, and Web Layers with new cartographic capabilities

• Consuming WebGIS content

• Extending GIS capabilities
Share with ArcGIS Pro
Share with ArcGIS Pro

Web Layers

Web Maps

Web Scenes

Packages

Locators

Web Tools
<table>
<thead>
<tr>
<th>Active Portal</th>
<th>Feature Layer</th>
<th>Tile Layer</th>
<th>Vector Tile Layer</th>
<th>Map Image Layer</th>
<th>Scene Layer - Multipatch</th>
<th>Scene Layer (point)</th>
<th>Scene Layer-Point Cloud</th>
<th>Imagery Layer</th>
<th>Elevation Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portal for ArcGIS 10.5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>*</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Portal for ArcGIS 10.4 and 10.4.1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>x</td>
</tr>
<tr>
<td>Portal for ArcGIS 10.3</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sharing Web Feature Layers

- Support vector querying, visualization and editing
- Can be shared to any federated server
- Can reference registered data sources for Portal 10.4
- Option to copy all data instead (editing disabled)
Sharing Locators

• What is a Locator:
  - Locator
  - Composite Locator

• Benefits:
  - Use the resulting geocoding service in web applications, ArcGIS Desktop, ArcGIS Online, and other client applications.

• Requirements:
  - Be logged into Portal for ArcGIS 10.5 or later & at least one federated server is required
  - You must have Publisher or Administrator privileges.
Sharing Web Tools

• **What is a Web Tool:**
  - References one or more geoprocessing tools.
  - Authored typically as a custom model or script tools.

• **Benefits:**
  - Share your analysis with others in your organization's portal in the form of features, maps, reports, or files

• **Requirements:**
  - Portal 10.5
  - You must have Publisher or Administrator privileges.
Share Web Scene Layer
Share Locators Demo
Publish your Locator

1) Add locator to your project in ArcGIS Pro
2) On the Share tab of the ribbon click the Share locator button
3) Fill in information on the General tab of the Share Locator pane
4) Optional: Modify the service properties of the Configuration tab of the Share Locator tab
5) Click Publish

**Note: The place-name alias table specified in a locator will not be used when the locator is shared to your portal.**
Publish a Web Tool

1) Add a tool (A tool can be built using multiple results of a model or a script)
2) On the Share tab of the ribbon click the Share Web Tool
3) Fill in information on the General tab of the Share Web Tool pane
4) Optional: Modify the service properties of the Configuration tab of the Share Web Tool tab
5) Click Publish

**Note: A new tool cannot be added to an existing web tool.**