Creating and Publishing Your Own Configurable Apps for Your Organization

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Content: Basic building block for Apps

Web Map

Web Scene

Group | Items
ID: Each item of content has a unique identifier
Web Maps/Web Scenes: JSON (Information + Data)
Built-in configurable apps
What are configurable apps?

- Hosted apps maintained by Esri in the cloud
- Designed for you to configure – no programming needed
- Fastest and easiest way to go from a map to a shareable app
- Work with different types of content
Apps are the user experience

• Present map information and tools in meaningful ways
• Configure to reach target audience
• Support workflows and workforce tasks
What do you want to do?

- Build a story map
- Collect/edit data
- Compare maps/layers
- Display a Scene
- Explore/summarize data
- Make a Gallery
- Map social media
- Provide local information
- Route/get directions
- Showcase a map
Constrain search within map
App Design Considerations

- **Shared theme:**
  - Color Contrast Analyzer [http://webaim.org/resources/contrastchecker/](http://webaim.org/resources/contrastchecker/)
  - Logo – transparent background

- **Usability:**
  - Focus on the purpose of your app.
    - Who is it for and what do they need to learn from your app?

- **Unified Search**
**Shared Theme settings**

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Values</th>
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<tbody>
<tr>
<td>Header</td>
<td>Text Color</td>
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<td>Background</td>
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<td>Body</td>
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<td>Logo</td>
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Specify a logo image by entering a URL reference or by uploading an image file that will be stored as a public item in your content. Optionally, you can make the logo clickable by entering the target website URL in the Logo Link box.

**Logo Image**: [Insert URL]

**Logo Link**: Set a click-through link for your logo: [Insert URL]
Search

Configuration Options
  Multiple searches
  Place holder text
  Name
  Search within extent
  Country code

Suggestions
  10.3 geocoding service with suggest capability
  10.3 feature layer supports pagination.
Custom CSS
Built-in demo

Customize configurable app
Custom Configurable Apps
Create a custom app

- New App Item
  - Purpose: Configurable
  - URL
  - Title
Make your app configurable

- Configuration options

Add to gallery

- Create Custom Group
- Share app to group
- Org Admin set as Gallery Group
Create app based on custom configurable app

- Select configurable app
- Specify config options
- Save
What is saved?

```json
{
    "source": "c7b9fa239f354274a99dd244d41cb648",
    "folderId": "2d4ca0b4bd454e29884e65e94efcdaed",
    "values": {
        "legend": true,
        "basemapToggle": true,
        "home": false,
        "info": false,
        "webmap": "9babea4a8f864e9db73cc01572dd7304"
    }
}
```
Create a custom configurable app

- Modify configuration for existing app
- Download, customize and host
- Build your own app
Get Out-of-the-box app source code

Click "Download" to access the source code on GitHub
Modify appearance or defaults of existing app

- Simple Customizations
  - CSS
  - Defaults
- Provide url to existing app
- Modify default config options
Configuration changes

- Modified default values
  - Color
  - Logo
  - Disabled tools
  - Removed config options
Download and Customize

- More advanced customizations
  - Add new tool
  - Modify app logic
-Requires that you host app
Write your own Configurable App

- Helper class
- Examples
Custom App Example