Configuring Web Apps with ArcGIS
Web App Templates | Web AppBuilder
Web App Templates
Web Application Templates

Maps and Apps Gallery

Local Perspective

Summary Viewer

Impact Summary
Application templates

Choose from template gallery

More templates can be found by searching ArcGIS Online
Configure and publish from your account

Save and share like any other item in My Contents
Web App Templates: Download and Tweak
Template Anatomy 101

**Default.js** (or inside `index.html`):
Default config values

**Template.js** or **app.js** template "plumbing"

**configurationPanel.js**
JSON specifying config params – COPY INTO AGOL ITEM

**Index.html**
Main HTML file for the app

**Layout.js** or **main.js**
"meat" of your application logic!

**.css**: style sheets for the template
Application Boilerplate JS

```javascript
// If you need localization set the supportLocalizations to true and include the strings file.
// Note that we've included a placeholder to show how to set the strings file.

var myTemplate = new Template(supportLocalizations = true, function(config, Main, Template, on)

// The config object contains the following:
// appid, dbname, sessioncount, and any custom configuration properties.

// The following is an example of a simple config object.

var config = {
    appid: 'myapp'
};

Main(config);
```
What is it?

- Starter Application
- Template & app logic
- Working with ArcGIS Online
  - Webmaps
  - Services
  - i18n
  - Authentication
  - Configurable
Show me the way

GitHub

esriurl.com/boilerplate
Web Application Templates

Maps and Apps Gallery

- Grow industry-focused templates
- Search & categorizing
- Design work
- User interaction
- Optimization

Time-based Events

Briefing Book
Web AppBuilder for ArcGIS
Configuring Web Apps with ArcGIS

Many options for using apps to make your map come alive
Extensible: Opportunities for developers and partners

- Extend functionality with custom widgets
- Personalize look & feel with custom themes

Developer's Guide

For developing your own widgets and themes.

Overview

ArcGIS WebApp Builder is built with ArcGIS API for JavaScript and Dojo. It allows you to create custom widgets and themes for ArcGIS Web App Builder.

Understanding widgets, panels and themes

Widget development
Theme development
Create new themes to tailor the look and feel
Create new widgets to extend functionality

Widget dev model

Your code
A minimum Widget – Widget.js

```javascript
define(['dojo/_base/declare', 'jimu/BaseWidget'],
function(declare, BaseWidget) {
    var clazz = declare([BaseWidget],{
    });
    return clazz;
});
```

All widget derived from the BaseWidget class
BaseWidget

What do you get from BaseWidget?

- App config properties (label, icon, location, etc)
- App config data
- Widget’s config data
- Map object
- Widget state (open, closed, active…)
- Events like open/signin
- Sharing data (widget communication)

Your job?

- HTML Template
- Widget config file
- Widget name (for css)
- The “guts” (i.e. business logic)
- Localization
Configure your custom widget config UI for the builder

Build a UI for configuration

- UI for user to configure settings
- Localizable
- Can perform extra validation
- Style with css
Web AppBuilder for ArcGIS (Developer Edition)
Building Apps with Custom Widgets/Themes

• Download Web AppBuilder Developer Edition and host on-premise
  - build apps with custom widgets/themes

• Create Web Apps from your own computer.

• Apps created with the developer edition are not automatically upgraded when you upgrade your portal.
Releases

- **Beta**
  - March 2014

- **Beta 2**
  - July 2014

- **Online (beta)**
  - Oct 2014

- **Beta 3**
  - Oct 2014

- **Portal pre-release**
  - Nov 2014

- **Final**
  - with Portal for ArcGIS 10.3, ArcGIS Online Q4 2014