Getting the most out of ArcGIS Web Application Templates

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Introducing Web Apps
ArcGIS Web Map
The building block of the WebGIS ecosystem
ArcGIS Web Map
Author and use anytime, anywhere, on any device
Map viewer vs. apps
Deliver your map in the right context for the intended audience

Map viewer (for authoring)

Storytelling Basic

Public Information (PIM)

Story Map Tour
Web apps complete the user experience

- Public viewing
- Internal communication
- Decision makers
- Common workflows
- Deliver tools and/or data for tasks

Map + App Template = Configured Application
A great app starts with a great map
Crafting the map experience

Pop-ups

Transparency

Display Scale Range

Styles

Options depend on layer type
Styling layers
Smart, data-driven layer styling
Where to find app templates

- Create a New Web App gallery
- Story Maps
  - storymaps.arcgis.com
- Solution templates
  - solutions.arcgis.com
- ArcGIS Online items and groups
Delete Protection

- Delete protection for any item
- Prevents accidental deletion when housecleaning
- Helps prevent broken apps
Start with a map and…
Create a Web App
Make a Web Application Gallery
Choose from gallery to preview, publish, or download
Publish, Download, Preview

- Download source to customize and host on your own
- Preview application
- Click create to couple and host your map with the application template

*Preview is great for a “quick share”*
Configure and publish from your account

✅ Configuration options will vary from app to app
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Story Maps
Story Maps
Make it easy to harness the power of maps to tell stories

- Combine interactive maps and multimedia
- Story-focused user experience
- Configure via builder
- Responsive design
What do you need?

An idea and thinking...

Media & Storage

Web Map(s)

Story Map App Template
storymaps.arcgis.com
Everything you need

Story Maps
Everyone has a story to tell
Harness the power of maps to tell yours

Engage and Inspire Your Audience
Story Map application templates
Found at Story Map Apps

- Map Tour
- Map Journal
- Map Series
- Swipe & Spyglass
- Shortlist
- Basic
- Playlist
- Countdown
Two Workflows

1. Start with a web map
2. Start at the Story Maps website
Two Workflows

1. Start with a web map
2. Start at the Story Maps website
Recommended workflow

1. Visit gallery to get ideas and choose a story map template
2. Assemble and warehouse needed components*
3. Go to the Story Maps Apps page
Story Map Layout Options – Example Story Map Series

- Bulleted
  - The Top 10 Most Visited US National Parks in 2012
  - Great Smoky Mountains National Park
    - World renowned for its diversity of plant and animal life, the beauty of its mountains, and its Southern Appalachian mountain culture. This is America's most

- Tabbed
  - Celebrating a World of Cheese
    - A World of Cheeses
    - Cheese Production
    - Cheese Consumption
      - For thousands of years, people have made cheese from the milk of cows, goats, sheep, and other animals. This small sampling of the world’s vast inventory of cheeses hints at the diversity of methods, flavors, and traditions of cheese-making.

- Side Accordion
  - Mapping the Shale Gas Boom
    - Where in the United States is tracking unlocking natural gas from shale rocks?
      - Major Shale Plays
        - The geology of these basins makes extraction of natural gas both expensive and complicated. However, areas where large amounts of gas have accumulated, where extraction is considered both technically possible and profitable, are called "plays." Two of the most prolific plays to date include the Barnett Shale in Texas and the Marcellus Shale, which runs from southern New York, across much of Pennsylvania, and as far south as Virginia. Only a handful of plays are producing the majority of shale gas in the U.S.
      - State by State Comparison
      - Where Is Fracking Happening?
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Web AppBuilder for ArcGIS
Web AppBuilder

- Create a custom configured responsive application using widgets
Web AppBuilder Features

- Fully integrated into ArcGIS Platform
- No coding required
- Deploy to browsers, mobile devices
- Extensible
- Easiest way to make web app templates
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Custom App Galleries for your Organization
Configuring your organization

Groups are building blocks

Custom Template Group

Replace Esri Default in Map tab
Embedding Maps
Embed a Web Map
Embed maps or presentations using a choice of options

Embed in Website
What would you like to embed?
- Map

Choose the size of your map.
- Small: 300x260
- Medium: 500x400
- Large: 940x640
- Custom: W 500 X H 400

Copy and paste HTML to embed in website

Map Options
- Zoom Control
- Home Button
- Basemap Selector
- View larger map

Choose your theme

EMBED IN WEBSITE
Embed in Website – Map Options

• Content (map or presentation)
• Choose size and options
Embed in Website – Add Symbol

- Add symbol at a specified location
- Title, description
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Embedding Web Apps
Embedded Apps
Embedding Apps

- Any application can be embedded using `<iframe>`
- Use 100% to fill out width of fluid page

```html
<p><iframe width="100%" height="600" frameborder="1" scrolling="no" marginheight="0" marginwidth="0" src="http://storymaps.esri.com/stories/maptour-palmsprings/"></iframe></p>
```
Embedding Story Maps

Spyglass on the Past: Chicago 1893 and Today

&embed
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Group Apps
Groups
Organize your content and help you collaborate with others
Configurable group gallery applications

CREATE A WEB APP
Embedding Groups
Embed group contents using a variety of options

- Only for public items
- Choice of layouts
- Choice of viewer
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App Source Code
Web app template source code

- Source download from GitHub
- Delivered as Zip file
- Edit using any text editor
- Can be highly customized
- Must host from own server
Map ID

Each map has a unique identifier, like a social security number.
Insert web map ID into source code

```html
var defaults = {
  // The ID for the map from ArcGIS.com
  webmap: "f5b13dweed07c46cadd27b3cf36183aa6b",
  // Modify this to point to your sharing service URL if you are using the portal
  // The id for the web mapping application item that contains configuration info - in most cases this will be null.
  proxyurl: "",
  appid: "",
  // set to true to display the title
  displaytitle: true,
  // Enter a title, if no title is specified, the webmap's title is used.
  title: "",
  // Enter a description for the application. This description will appear in the left panel.
  description: "",
};
```

Web map ID
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The Road Ahead
App Template Road Ahead

- Performance improvements
- Continuing to update and enhance design
- Improvements in configuration experience
- Improvements in usability
- New templates
  - Early Adopter Templates group
- New ways to organize
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questions & answers
Resources

Documentation:
Blog:
Online training:
Surveys

- Please fill out the session survey in your mobile app
- Select **ArcGIS Web Application Templates**
- Use the Search Feature to quickly find this title
- Click “Technical Workshop Survey”
- Answer a few short questions, and enter any comments
Thanks!

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