Creating Apps Using ArcGIS Online Templates
Matt Kennedy
Agenda

• The whole process
• Types of apps
• App breakdown
• Before you publish
• Where apps live
• Sharing and administration
The app publishing process
Steps for publishing and app

• Choose a type
• Choose a template
• Assemble content
• Publish
• Refine
Types of apps
Types: Map-based

- Starting with 2D map
- Many functionality choices
- Layouts
- Color schemes
- Most common type
- Most template choices
Types: Scene-based

- Starting with a 3D scene
- Scene exploration tools
- Slide view
- Layer control
- Layouts
- Color schemes
Types: Group-based

- Starting with a group
- Provide a gallery of maps
- Crowdsource apps
App breakdown
Choosing a template
What best suits the story you want to tell?

• What is the story?
• Who is the audience?
• How much do they know?
• What is needed?
  - Maps
  - Scenes
  - Photos
  - Videos
  - Text

Showcase a map
Choosing a template
What best suits the story you want to tell?

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Collect information
Where are the templates?

- Map-based
  - Share a web map
  - 28 to choose from
  - Organized by category
- Scene-based
  - Share a scene
- Group based
  - Share a group
### So many choices!

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= New template or added capability
I need to know where I am

Apps that allow users to find their location on the map

- Basic Viewer
- Compare Analysis
- Crowdsourcing Polling
- Directions
- Edit
- Filter
- Geo Form
- Impact Summary
- Information Lookup
- Local Perspective
- Map Tools
- Public Information
- Simple Map Viewer
- Story Map Crowdsourcing
- Story Map Series
- Story Map Swipe / Spyglass
I need to find addresses

Apps that allow geosearch

- Basic Viewer
- Directions
- Edit
- Elevation Profile
- Filter
- Geo Form
- Impact Summary
- Information Lookup

- Local Perspective
- Map Tools
- Minimalist
- Public Information
- Simple Map Viewer
- Story Map Shortlist
- Story Map Swipe / Spyglass
I need a route
Apps that provide routes and directions

- Directions
- Local Perspective

*subscription required
I need a **legend**

Apps that provide a legend

- Basic Viewer
- Elevation Profile
- Filter
- Geo List
- Impact Summary
- Map Tools
- Minimalist
- Public Information
- Simple Map Viewer
- Time Aware

- Story Maps
  - Basic
  - Journal
  - Map Series
  - Swipe / Spyglass
I need to change basemaps

Apps that can toggle basemaps

• Basic Viewer
• Edit
• Elevation Profile
• Geo Form
• Impact Summary
• Information Lookup

• Map Tools
• Minimalist
• Public Information
• Story Map Shortlist
• Summary Viewer
I need to search
Apps that provide layer search

• Basic Viewer
• Edit
• Elevation Profile
• Filter
• Information Lookup
  
• Map Tools
• Minimalist
• Public Information
• Simple Map Viewer
• Time Aware
I need to **tell a story**

Apps that provide narrative

- Story Maps
  - Basic
  - Cascade
  - Crowdsource
  - Map Journal
  - Map Series
  - Shortlist
  - Swipe / Spyglass
  - Tour

- Compare Analysis
- Impact Summary
I need **analysis**

Apps that have analysis / geoprocessing capability

- Directions
- Elevation Profile
- Impact Summary
- Information Lookup
- Local Perspective
- Summary Viewer
I need to **edit**

Apps that allow feature and attribute editing

- Basic Viewer
- Edit
I need to **print**

Apps that allow printing

- Basic Viewer
- Map Tools
- Public Information
I need a **splash screen**

Apps that let you show a disclaimer upon launch

- Basic Viewer
- Crowdsourcing Polling
- Elevation Profile
- Information Lookup
- Public Information

![How To Use This Application](image)
Find more templates
http://storymaps.arcgis.com

Story Maps
Everyone has a story to tell.
Harness the power of maps to tell yours.
Find more templates
http://solutions.arcgis.com
What if I need functions from 2 or more of these templates?!?

Then you need Web AppBuilder

- Similar workflow
- 30 + widgets
- WYSIWYG configuration
- Same hosting options
- Don’t over do it!
Before you publish
Important map and layer properties

What you set in the map makes it to the app!

- Search - example
- Bookmarks
- Time
- Copy layers
- Enable / disable editing - example
- Labels
- Refresh interval
- URL parameters - example
Where apps live
Deployment Considerations

• **ArcGIS Online**
  - Highly scalable, cloud environment
  - No web server required
  - Apps update when portal updates

• **On premise**
  - IT legwork required
  - Web server required
  - Must update apps manually
Sharing & administration
Sharing apps - what you have accomplished

• Simple, focused interface
• Fits map’s purpose, message, & audience
• Updating the map, scene, or group updates the app, too
• Unsharing an item from a map also hides it from the app
• (Optional) Include Subscriber and Premium content in apps
  - Requires a subscription identity
  - Access to Premium content consumes credits
    - Keep this in mind when deciding whether to include Premium content in public facing apps
Administering apps

- **Monitor app usage**
  - Is anyone using this app???
  - Available from My Content

- **View Stats**
  - Who’s using what???
    - Apps, content, credits, etc…
  - Fine grained details
  - Must be an administrator
Administering apps

• Monitor app usage
  - Is anyone using this app???
  - Available from My Content

• View Stats
  - Who’s using what???
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Please Take Our Survey on the Esri Events App!

Download the Esri Events app and find your event

Select the session you attended

Scroll down to find the survey

Complete Answers and Select “Submit”