

Configuring & Extending Web App Templates

Allison Muise
Mike Tschudi
Scott Oppmann

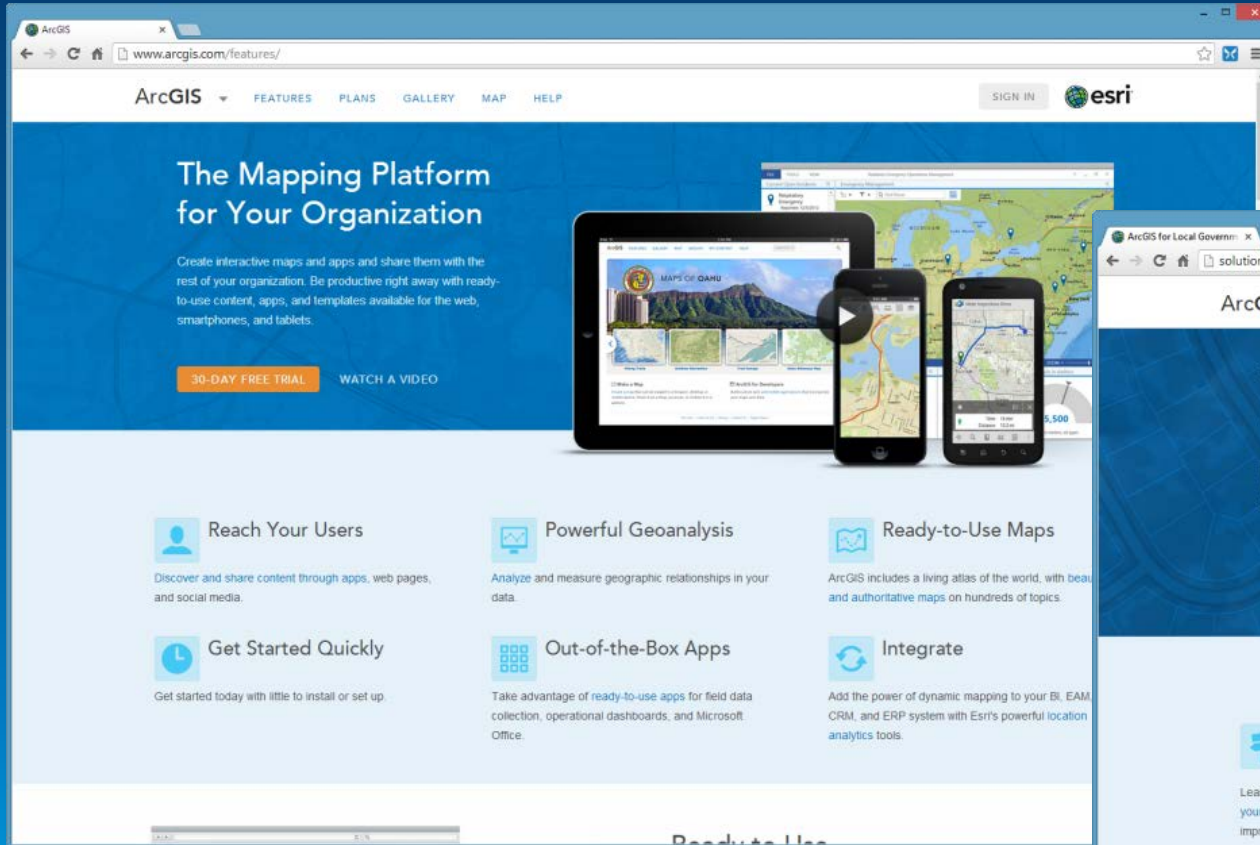
ArcGIS as a Platform



Making Mapping and GIS
Available Across Your Organization

Transforming the Role of GIS

Turning Point



ArcGIS

www.arcgis.com/features/

ArcGIS | FEATURES | PLANS | GALLERY | MAP | HELP | SIGN IN | esri

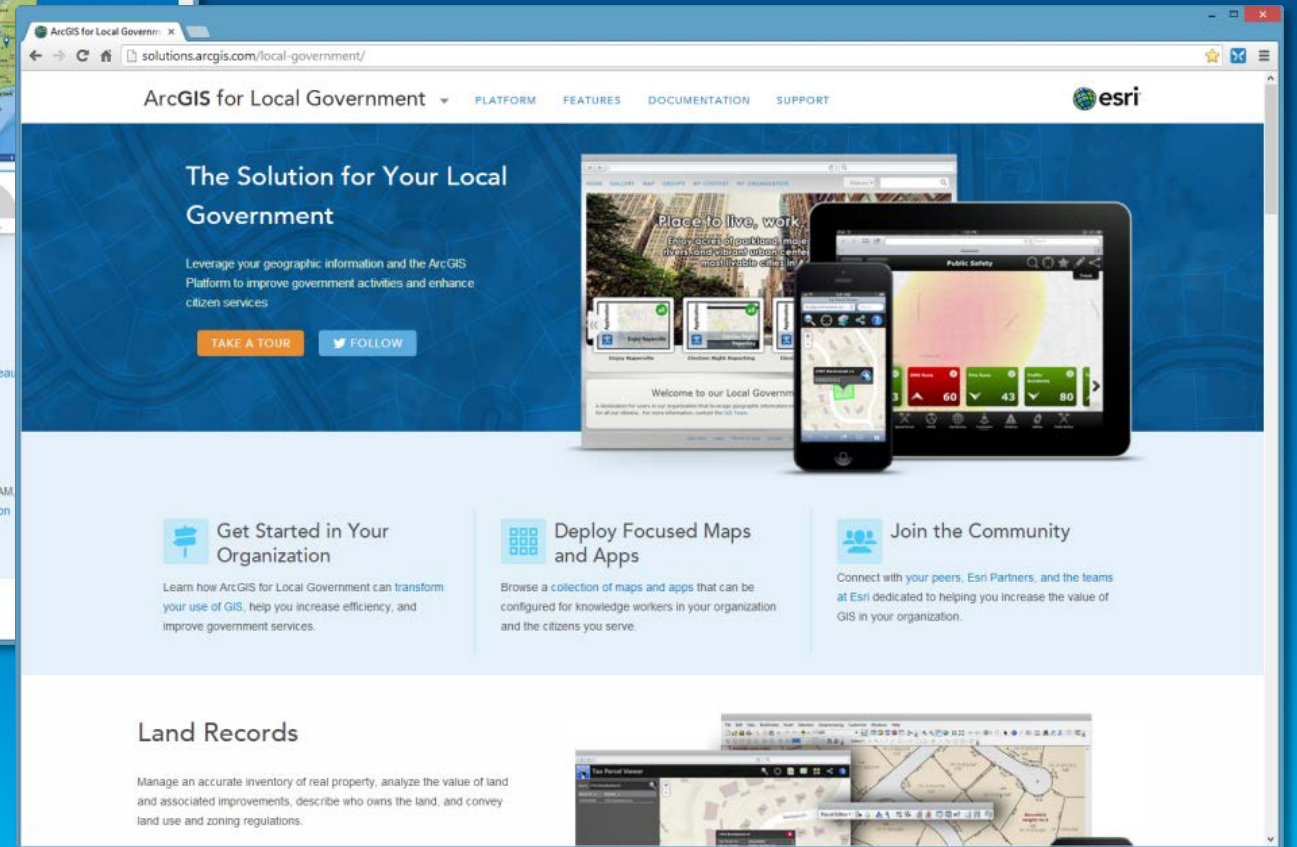
The Mapping Platform for Your Organization

Create interactive maps and apps and share them with the rest of your organization. Be productive right away with ready-to-use content, apps, and templates available for the web, smartphones, and tablets.

30-DAY FREE TRIAL | WATCH A VIDEO

- Reach Your Users**
Discover and share content through apps, web pages, and social media.
- Powerful Geoanalysis**
Analyze and measure geographic relationships in your data.
- Ready-to-Use Maps**
ArcGIS includes a living atlas of the world, with beautiful and authoritative maps on hundreds of topics.
- Get Started Quickly**
Get started today with little to install or set up.
- Out-of-the-Box Apps**
Take advantage of ready-to-use apps for field data collection, operational dashboards, and Microsoft Office.
- Integrate**
Add the power of dynamic mapping to your BI, EAM, CRM, and ERP system with Esri's powerful location analytics tools.

ArcGIS Online



ArcGIS for Local Government

solutions.arcgis.com/local-government/

ArcGIS for Local Government | PLATFORM | FEATURES | DOCUMENTATION | SUPPORT | esri

The Solution for Your Local Government

Leverage your geographic information and the ArcGIS Platform to improve government activities and enhance citizen services.

TAKE A TOUR | FOLLOW

- Get Started in Your Organization**
Learn how ArcGIS for Local Government can transform your use of GIS, help you increase efficiency, and improve government services.
- Deploy Focused Maps and Apps**
Browse a collection of maps and apps that can be configured for knowledge workers in your organization and the citizens you serve.
- Join the Community**
Connect with your peers, Esri Partners, and the teams at Esri dedicated to helping you increase the value of GIS in your organization.

Land Records

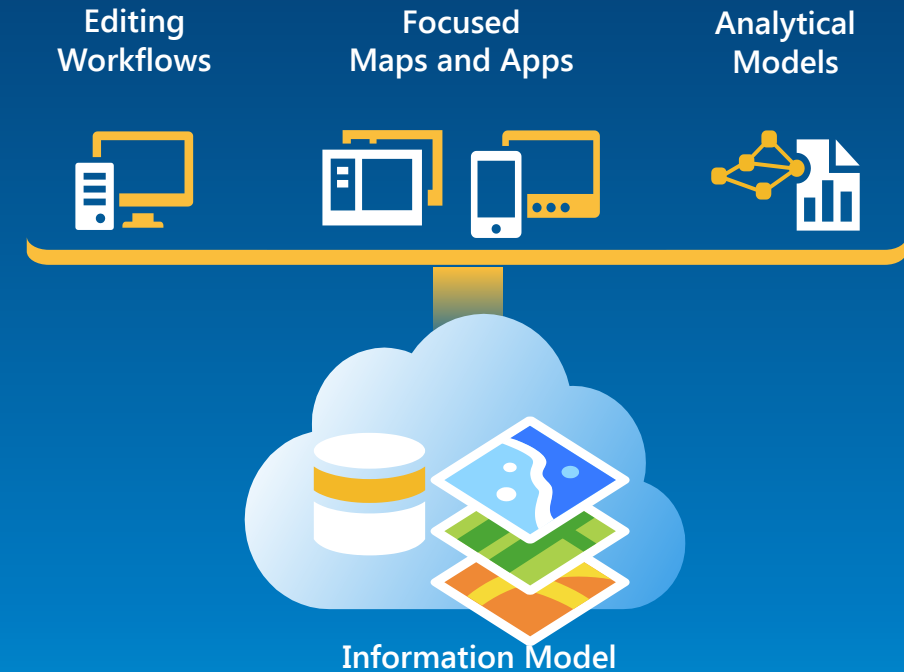
Manage an accurate inventory of real property, analyze the value of land and associated improvements, describe who owns the land, and convey land use and zoning regulations.

Solutions

ArcGIS for Local Government

Solutions for Esri's government customers

- Series of useful maps and apps focused on local government work
 - Configurable and extensible
 - Freely available and fully supported
- Community of users
 - Best Practices / Implementation Support
- Network of Esri Services and Partner offerings
 - Help users implement, sustain and enhance



.....Available on-premise or in the cloud

Our Mission

To help government organizations....

- Deliver maps and applications quickly throughout their organization
- Stay current with future releases / avoid legacy technology
- Deploy a geospatial platform that can be leveraged by many
- Leverage the collective knowledge of the entire community
- And do this with....less staff, budget, and technical expertise

Web App Template Offerings

The 'Crowdsource Reporter' interface features a central map of Naperville, Illinois. On the left, there are several report categories with icons: 'Report abandoned property', 'Report an animal issue', 'Report parking or vehicle violations' (with a 'NO PARKING ANY' sign icon), 'Report street sign issues' (with a 'STOP' sign icon), and 'Report trash collection issues'. A 'Report vandalism' option is also visible at the bottom. On the right, a form for 'Report a parking sign violation' is shown, with fields for 'Assigned', 'Reported By' (Allison Muse), and 'Details' (Park under No Parking sign).

The 'Manager Screenshots' interface displays a list of reports under the heading 'Abandoned Property Reports'. Below this, there are sections for 'Parking and Vehicle Complaints' (including 'Broken parking meters', 'Illegally parked vehicles', 'Parking sign violations', and 'Vehicles parked without a valid permit') and 'Problem Animal Reports'. A table titled 'Illegally parked vehicles' shows a list of violations reported by Allison Muse, with columns for 'VIOLATION' and 'Reported By'. The table lists 'Parking Sign Violation' and 'No Permit'.

The 'Gallery' interface is a dashboard for various web applications. It includes a search bar, 'Layout' and 'Sign In' options, and a 'Maps and Apps Gallery' section. The gallery lists several applications with icons and brief descriptions: 'Naperville Inquiry', 'Site Map', 'Master Thoroughfare Plan', 'Downtown Naperville', 'AFB Inventory', 'My Government Services', 'Park and Recreation Finder', 'Election Polling Places', 'Road Closures', 'Election Results', and 'Public Comment'. A 'Tags' section lists categories like 'Development', 'Elections', 'Emergency', 'Garbage Health Infrastructure', 'Parks Permits & Land Use', 'Planning Public Works', 'Recycling', 'Restaurants', 'Road Blocks', 'Road Closures', 'Shopping', 'Street Sweeping', 'Transportation', and 'Water Utilities Web'.

This screenshot shows a map interface with a 'Service Information' popup window. The popup contains the following text: 'Thank you for your interest in service. In order to apply for service you must be a homeowner or renter at this location. In order to expedite the service correction process, please have your address and property information available upon calling customer service. To apply for service, please call our customer service department at 555-5555.' Below the text is a 'Zoom In' button. The map shows a street grid with 'SEMINARY AV' and 'WESLEY ST' visible.

The 'Find, Edit, and Filter' interface shows a map with a 'Building Plans' popup window. The popup displays detailed information for a building: Plan ID: 163-214, Complex ID: 532, Fire District: 5b, Police District: 2, Plan Name: Riverside Apartments, Site Address: 632 Aurora Ave, NF310 Use Code: Residential, Other, Location Description: multi-story apartment build, Building height: 3, Number of Floors: 3, Size of Building: Medium, Fire Load: Medium, Construction Type: Mixed Types, Roof Type: , and Roof Covering: . The interface also includes a 'Floor #' dropdown, a 'Safety Hazard Lines' legend, and 'Key Boxes / Access Controls' for 'Know Viol' and 'Know Cabinet'.

The 'Finder' interface shows a map with a search results popup. The popup lists search results for '1001 W Glengary Cir' through '1197 W Glengary Cir'. A detailed popup for '1001 W Glengary Cir' shows the following information: '1001 W Glengary Cir No 2', 'Lot/Parcel: Homingside Heights No 2', 'Lot/Parcel Identification Number: 1927177019', 'Parcel Identification Number: 1927177019', 'Building Number: ', 'Unit Number: ', 'Street Area: ', 'Legal Start Date: ', 'Tax District Code: C', 'Tax District: Charter Township Of Bloomfield', and 'Description: Zoom In'.

Many more other teams have built...

Web App Templates

- Compare Analysis
- Local Perspective
- Information Lookup
- Edit
- Story Maps Series
- Impact Summary
- Filter
- Elevation Profile
- Story Map Basic
- Find, Edit, and Filter
- Basic Viewer
- Story Map Journal
- Story Map Swipe and Spyglass
- Story Map Swipe and Spyglass
- Legend
- Finder
- Directions
- Public Information
- Simple Map Viewer
- Chrome-Twitter
- Summary Viewer
- GeoForm
- Story Map Tour
- Time Aware
- Map Tools
- Maps and Apps Gallery
- Map Carousel
- Public Gallery
- * Crowdsource Reporter
- * Crowdsource Manager

Web App Templates

- Compare Analysis
- Local Perspective
- Information Lookup
- Edit
- Story Maps Series
- Impact Summary
- Filter
- Elevation Profile
- Story Map Basic
- Find, Edit, and Filter
- Basic Viewer
- Story Map Journal
- Story Map Swipe and Spyglass
- Story Map Swipe and Spyglass
- Legend
- Finder
- Directions
- Public Information
- Simple Map Viewer
- Chrome-Twitter
- Summary Viewer
- GeoForm
- Story Map Tour
- Time Aware
- Map Tools
- Maps and Apps Gallery
- Map Carousel
- Public Gallery
- * Crowdsource Reporter
- * Crowdsource Manager

Map App Templates

Web App Templates

- Compare Analysis
- Local Perspective
- Information Lookup
- Edit
- Story Maps Series
- Impact Summary
- Filter
- Elevation Profile
- Story Map Basic
- Find, Edit, and Filter
- Basic Viewer
- Story Map Journal
- Story Map Swipe and Spyglass
- Story Map Swipe and Spyglass
- Legend
- Finder
- Directions
- Public Information
- Simple Map Viewer
- Chrome-Twitter
- Summary Viewer
- GeoForm
- Story Map Tour
- Time Aware
- Map Tools

Map App Templates

- Maps and Apps Gallery
- Map Carousel
- Public Gallery
- * Crowdsourcing Reporter
- * Crowdsourcing Manager

Group App Templates

Solutions Web App Templates

- Compare Analysis
- Local Perspective
- **Information Lookup**
- Edit
- Story Maps Series
- Impact Summary
- Filter
- Elevation Profile
- Story Map Basic
- **Find, Edit, and Filter**
- Basic Viewer
- Story Map Journal
- Story Map Swipe and Spyglass
- Story Map Swipe and Spyglass
- Legend
- **Finder**
- Directions
- Public Information
- Simple Map Viewer
- Chrome-Twitter
- Summary Viewer
- GeoForm
- Story Map Tour
- Time Aware
- Map Tools

Map App Templates

- **Maps and Apps Gallery**
- Map Carousel
- Public Gallery
- * **Crowdsource Reporter**
- * **Crowdsource Manager**

Group App Templates

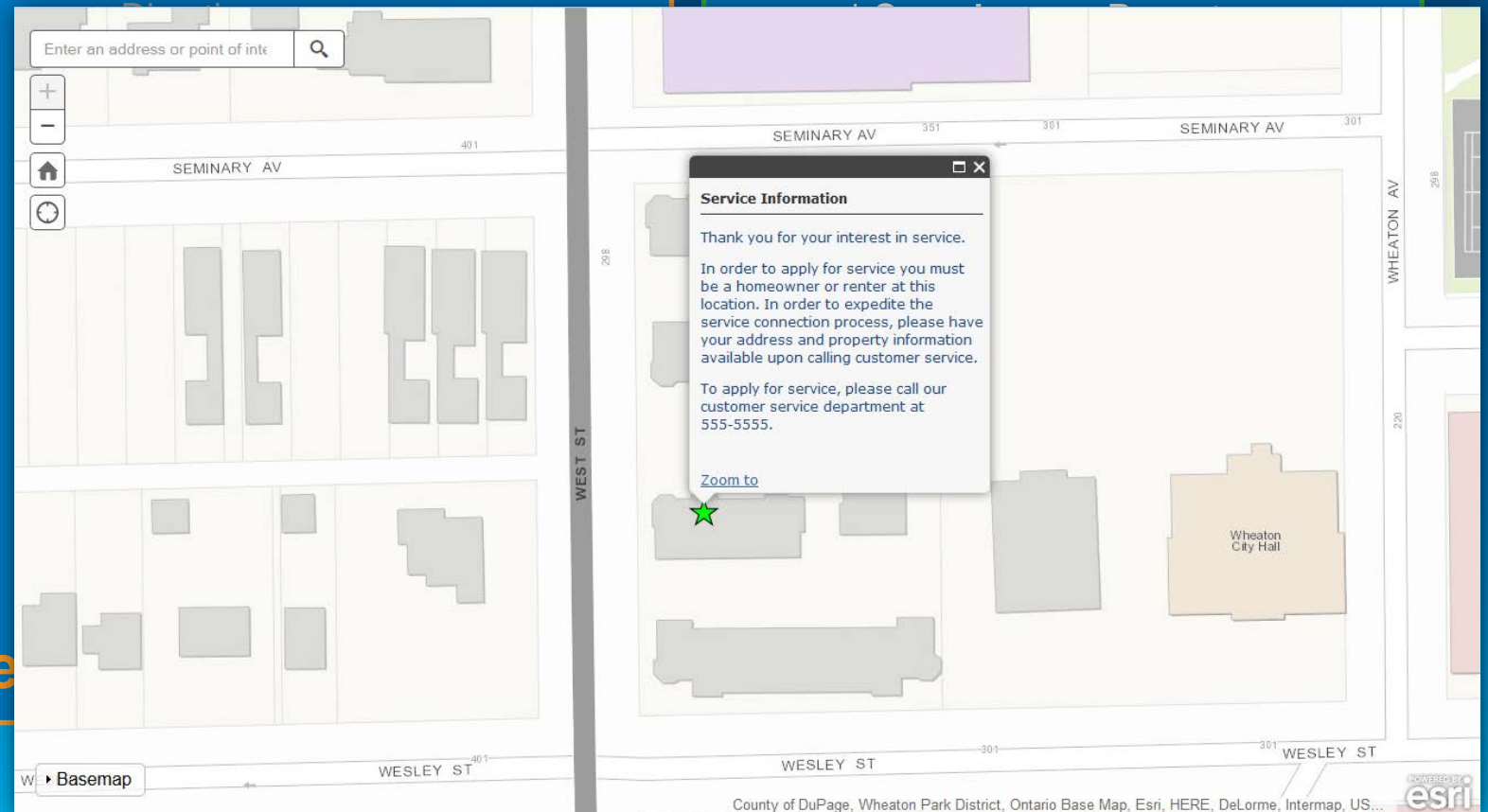
Solutions Web App Templates

- Compare Analysis
- Local Perspective
- **Information Lookup**
- Edit
- Story Maps Series
- Impact Summary
- Filter
- Elevation Profile
- Story Map Basic
- **Find, Edit, and Filter**
- Basic Viewer
- Story Map Journal
- Story Map Swipe and Spyglass

- Story Map Swipe and Spyglass
- Legend
- **Finder**

- **Maps and Apps Gallery**
- Map Carousel
- Public Gallery

Map App Te

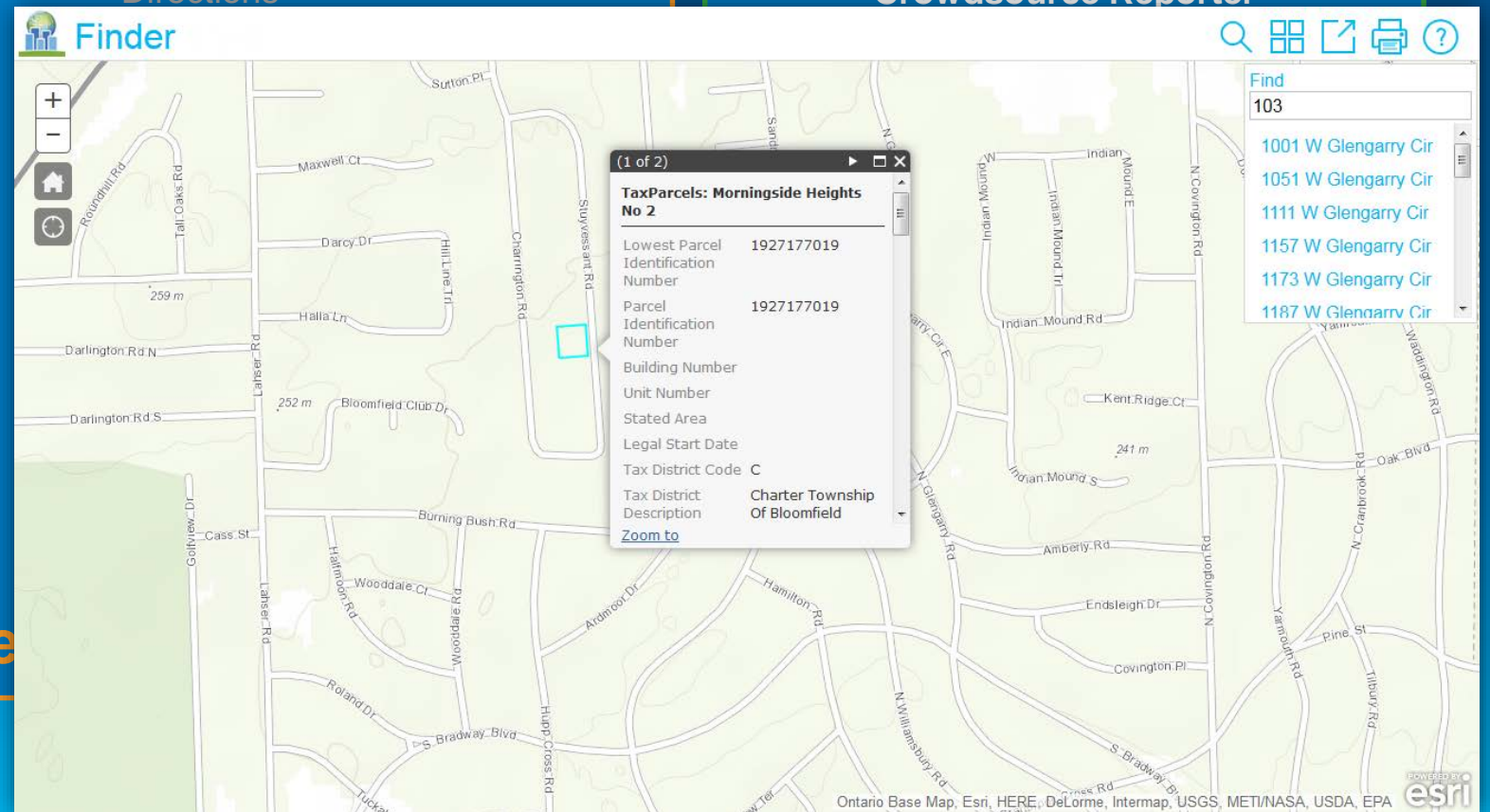


Solutions Web App Templates

- Compare Analysis
 - Local Perspective
 - **Information Lookup**
 - Edit
 - Story Maps Series
 - Impact Summary
 - Filter
 - Elevation Profile
 - Story Map Basic
 - **Find, Edit, and Filter**
 - Basic Viewer
 - Story Map Journal
 - Story Map Swipe and Spyglass
- Story Map Swipe and Spyglass
 - Legend
 - **Finder**
 - Directions

- **Maps and Apps Gallery**
- Map Carousel
- Public Gallery
- *** Crowdsome Reporter**

Map App Te



Solutions Web App Templates

- Compare Analysis
- Local Perspective
- **Information Lookup**
- Edit
- Story Maps Series
- Impact Summary
- Filter
- Elevation Profile
- Story Map Basic
- **Find, Edit, and Filter**
- Basic Viewer
- Story Map Journal
- Story Map Swipe and Spyglass

Map App Te

- Story Map Swipe and Spyglass
- Legend
- **Finder**

- **Maps and Apps Gallery**
- Map Carousel
- Public Gallery

The screenshot displays a web application interface for finding, editing, and filtering building plans. The main map shows a building footprint with various hazard markers (WF, WD, HP, HC, K) and a yellow line representing a hazard boundary. A 'Building Plans' data table is overlaid on the map, providing details for a specific plan.

| Field | Value |
|----------------------|------------------------------|
| Plan ID | 163-214 |
| Complex ID | 532 |
| Fire District | 5b |
| Police District | 2 |
| Plan Name | Riverside Apartments |
| Site Address | 683 Aurora Ave |
| NFIRS Use Code | Residential, Other |
| Location Description | multi-story apartment buildi |
| Building Height | |
| Number of Floors | 3 |
| Size of Building | |
| Capacity | |
| Fire Load | Medium |
| Construction Type | Mixed Types |
| Roof Type | |
| Roof Covering | |

The interface includes a search bar, a filter icon, and a legend on the right side. The legend lists 'Safety Hazard Lines', 'Safety Hazard Points', 'Hazardous Materials (NFPA 704)', and 'Key Boxes / Access Controls'. The 'Key Boxes / Access Controls' section shows 'Knox Vault' and 'Knox Cabinet' with corresponding icons.

City of Naperville, County of DuPage, County of Will, Ontario Base Map, Esri, HERE, DeLorme, Inter... **esri**

Solutions Web App Templates

- Compare Analysis
- Local Perspective
- **Information Lookup**
- Story Map Swipe and Spyglass
- Legend
- **Finder**

• **Maps and Apps Gallery**

- Map Carousel
- Public Gallery
- * **Crowdsource Reporter**
- * **Crowdsource Manager**

The screenshot shows the 'Maps and Apps Gallery' web application. The header includes a search bar, 'Sort by', 'Layout', and 'Sign In' options. The main content area displays a grid of 12 items, each with a thumbnail image and a title. The items are:

- Naperville Imagery** (Web Map): Aerial satellite view of a city area.
- Bike Map** (Document Link): A photograph of two people riding bicycles on a path.
- Master Thoroughfare Plan Ju...** (Document Link): A colorful street map with various colored lines.
- Downtown Naperville** (Document Link): A logo for 'DOWNTOWN naperville Like no other!' with a fork and knife icon.
- AED Inventory** (Web Map): A red heart with a white lightning bolt symbol.
- My Government Services** (Web Mapping Application): A map interface with a pop-up window.
- Park and Recreation Finder** (Web Mapping Application): A green map showing park areas.
- Election Polling Places** (Web Mapping Application): A map showing polling locations with a mobile phone icon.
- Road Closures** (Web Map): A yellow diamond-shaped sign that says 'ROAD WORK AHEAD'.
- Election Results** (Web Mapping Application): A map with red and blue areas representing election results.
- Public Comment** (Web Mapping Application): A map interface with a pop-up window.

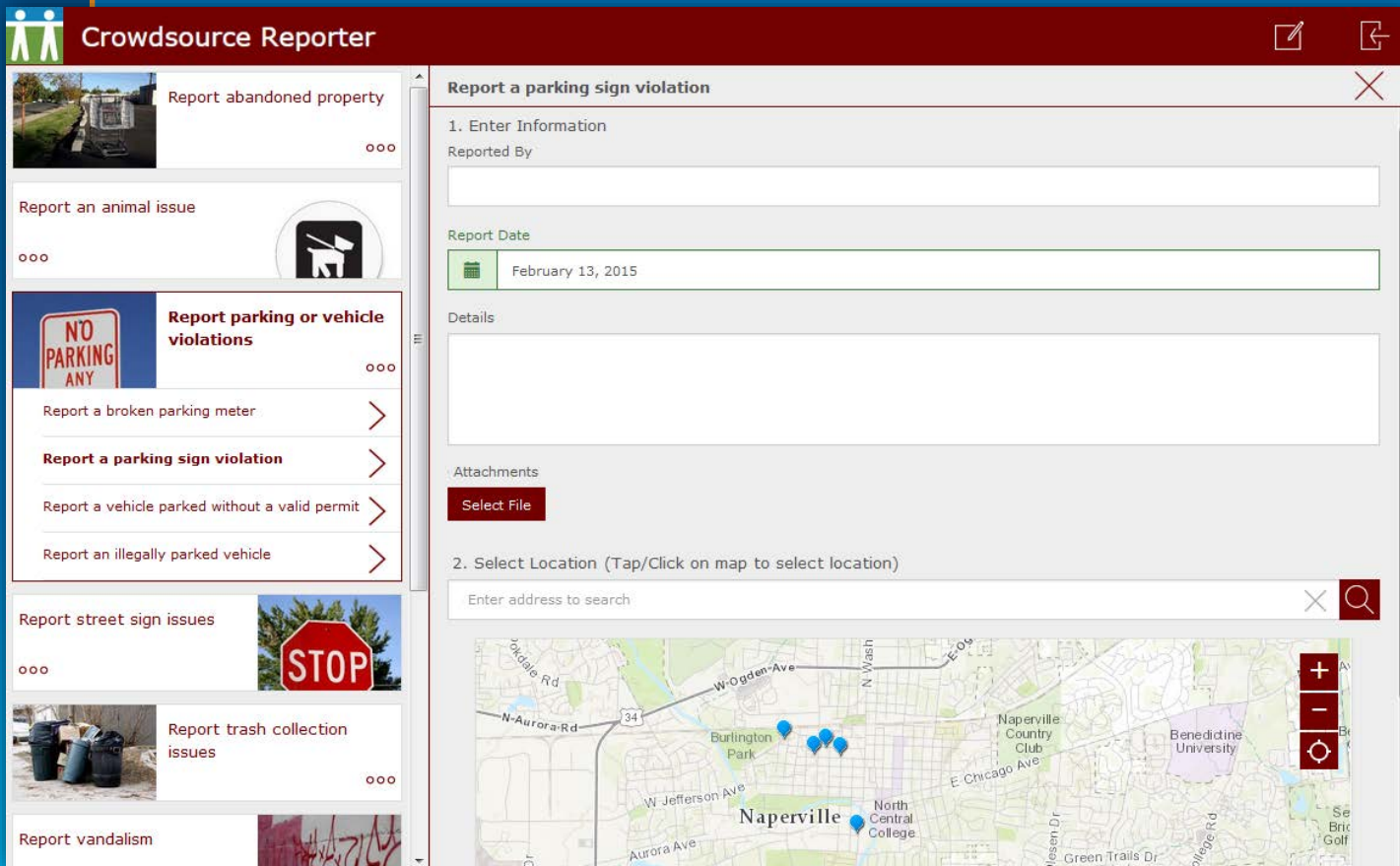
On the left side, there is a 'Tags' section with a list of categories: Development, Elections, Emergency, Garbage, Health, Infrastructure, Parks, Permits & Land Use, Planning, Public Works, Recreation, Recycle, Restaurants, Road Blocks, Road Closures, Shopping, Street Sweeping, Transportation, and Water Utilities. The 'Elections' and 'Transportation' tags are highlighted in bold.

Group App Templates

Solutions Web App Templates

- Compare Analysis
- Local Perspective
- Information Lookup
- Story Map Swipe and Spyglass
- Legend
- Finder

- Maps and Apps Gallery
- Map Carousel
- Public Gallery
- * **Crowdsource Reporter**
- * **Crowdsource Manager**



Group App Templates

Solutions Web App Templates

- Compare Analysis
- Local Perspective
- Information Lookup
- Story Map Swipe and Spyglass
- Legend
- Finder

The screenshot displays a web application interface for Naperville. The top navigation bar includes the title "Manager Screenshots", a search icon, a grid icon, a settings icon, and the text "LocalGov Test". The left sidebar contains several report categories: "Abandoned Property Reports", "Parking and Vehicle Complaints" (with a "NO PARKING ANY" sign icon), "Problem Animal Reports", "Report Unplowed Streets", "Road and Sidewalk Maintenance Requests", "Street Sign Reports" (with a "STOP" sign icon), and "Trash Collection Requests". The main content area is titled "Broken parking meters" and contains a table with the following data:

| VIOLATION | Reported By | Report Date |
|--------------|-------------|-------------------|
| Broken Meter | Allison M | February 14, 2015 |
| Broken Meter | | February 18, 2015 |
| Broken Meter | Chris B | February 12, 2015 |
| Broken Meter | Jess N | February 11, 2015 |
| Broken Meter | | February 16, 2015 |
| Broken Meter | Lindsay K | February 16, 2015 |

Below the table is a map of Naperville, Illinois, showing the locations of the broken parking meters marked with green pins. The map includes street names, parks, and landmarks like North Central College.

- Maps and Apps Gallery
- Map Carousel
- Public Gallery
- * Crowdscore Reporter
- * Crowdscore Manager

Group App Templates



* Early Adopter Templates

The screenshot shows a web browser window displaying the ArcGIS website. The address bar shows the URL: www.arcgis.com/home/group.html?owner=esri_en&title=Early Adopter Templates. The page title is "Early Adopter Templates".

The page content includes a navigation menu with links for [FEATURES](#), [PLANS](#), [GALLERY](#), [MAP](#), [SCENE](#), and [HELP](#). A "Sign In" button is also visible.

The main content area is titled "Early Adopter Templates" and contains the following information:

- A description: "This group contains some of the newest web application templates from Esri. Expand to learn more..."
- A "Group Content" section with a table of results:

| | Title | Owner | Rating | Views | Date |
|--|--|-----------------------|------------------------|-----------------------|----------------------|
| All Results | | | | | |
| Maps | | | | | |
| Layers | | | | | |
| Scenes | | | | | |
| Apps | | | | | |
| Tools | | | | | |
| Files | | | | | |
| <input type="checkbox"/> Show ArcGIS Desktop Content | | | | | |
|  | Crowdscore Manager | esri_en | ★ ★ ★ ★ ★ | 640 views | March 2, 2015 |
| | A configurable gallery application that allows users within an organization to review problems/observations submitted through the Crowdscore Reporter app. | | | | |
|  | Crowdscore Reporter | esri_en | ★ ★ ★ ★ ★ | 1,019 views | March 2, 2015 |
| | A configurable gallery application that allows users to submit problems/observations. | | | | |

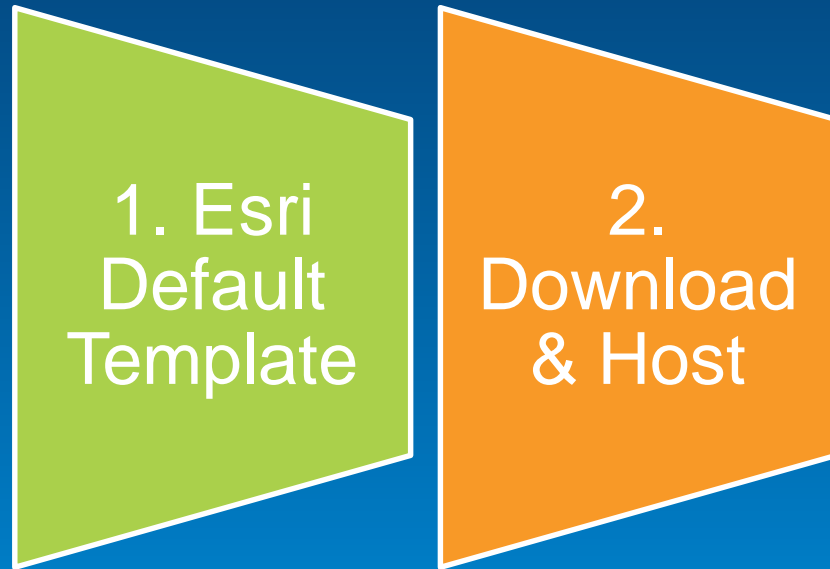
At the bottom of the page, there are navigation buttons for "PREVIOUS" and "NEXT", and a footer with links for [Esri.com](#), [Help](#), [Terms of Use](#), [Privacy](#), [Contact Esri](#), and [Report Abuse](#).

Implementation Patterns



1. Esri
Default
Template

Implementation Patterns



Implementation Patterns



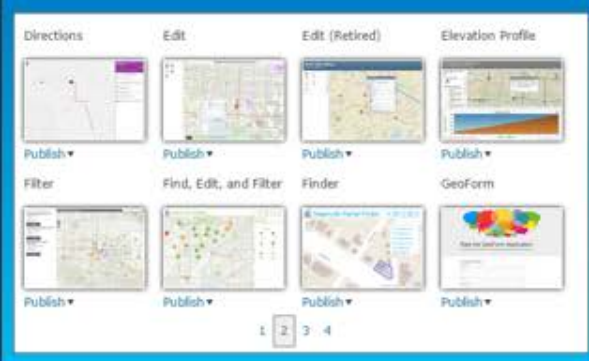
**Why go through
the effort to
create a custom
template?**

Why go through
the effort to
create a custom
template?

To give your users
a customized app
that is completely
hosted in your
ArcGIS Online
organization

Why go through the effort to create a custom template?

To give your users a customized app that is completely hosted in your ArcGIS Online organization and is available in the app gallery



Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

while keeping them hosted by ArcGIS Online

My Content x My Content x My Content x My Content x Polling Places x

arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=213518136d764824be4f6ec943fcb

Polling Places

Search, Home, Print, Help icons

Map showing Polling Places (yellow stars) in a suburban area. Key locations include Naper, Woodridge, and Rolling. Major roads like US-34, US-30, and US-59 are visible.

POWERED BY Esri, HERE, DeLorme, USGS esri

Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

while keeping them hosted by ArcGIS Online

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=99ab19cef1a946968384f22f854e88'. The browser address bar contains the URL. The main content area displays a map application titled 'Polling Places'. The map shows a region around Naperville, IL, with numerous yellow star markers indicating polling locations. The map interface includes a search bar, a home button, and a zoom control. The bottom of the browser shows the Esri logo and 'POWERED BY esri'.

Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

while keeping them hosted by ArcGIS Online

The screenshot shows a web browser window with the URL `arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=57bd483ee0e44b998a5a191274cc8`. The page title is "Polling Places". The map displays a geographic area with several yellow star markers representing polling locations. The map includes various street names, highways (e.g., I-55, I-59, I-355), and landmarks like "Springbrook Prairie Forest Preserve" and "Greene Valley Forest Preserve". The map interface includes a search bar, a home button, and a zoom control. The bottom of the map shows "POWERED BY esri" and "Esri, HERE, DeLorme, USGS".

Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

: : :

while keeping them hosted by ArcGIS Online

My x My x My x My x Pol x Pol x Pol x Pol x Pol x Pol x Co x Pol x

arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=f7ed09690c334439aec69618d172d

Polling Places

Welcome to our map of Polling Places

To find information about a polling place, click on the star showing its location. To find a polling place by name, click on the magnifying glass and type in the name.

To register to vote, please go to your county's voter registration web site:

- [Will County Voter Registration](#)
- [DuPage County Voter Registration](#)

Esri, HERE, DeLorme, USGS

Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

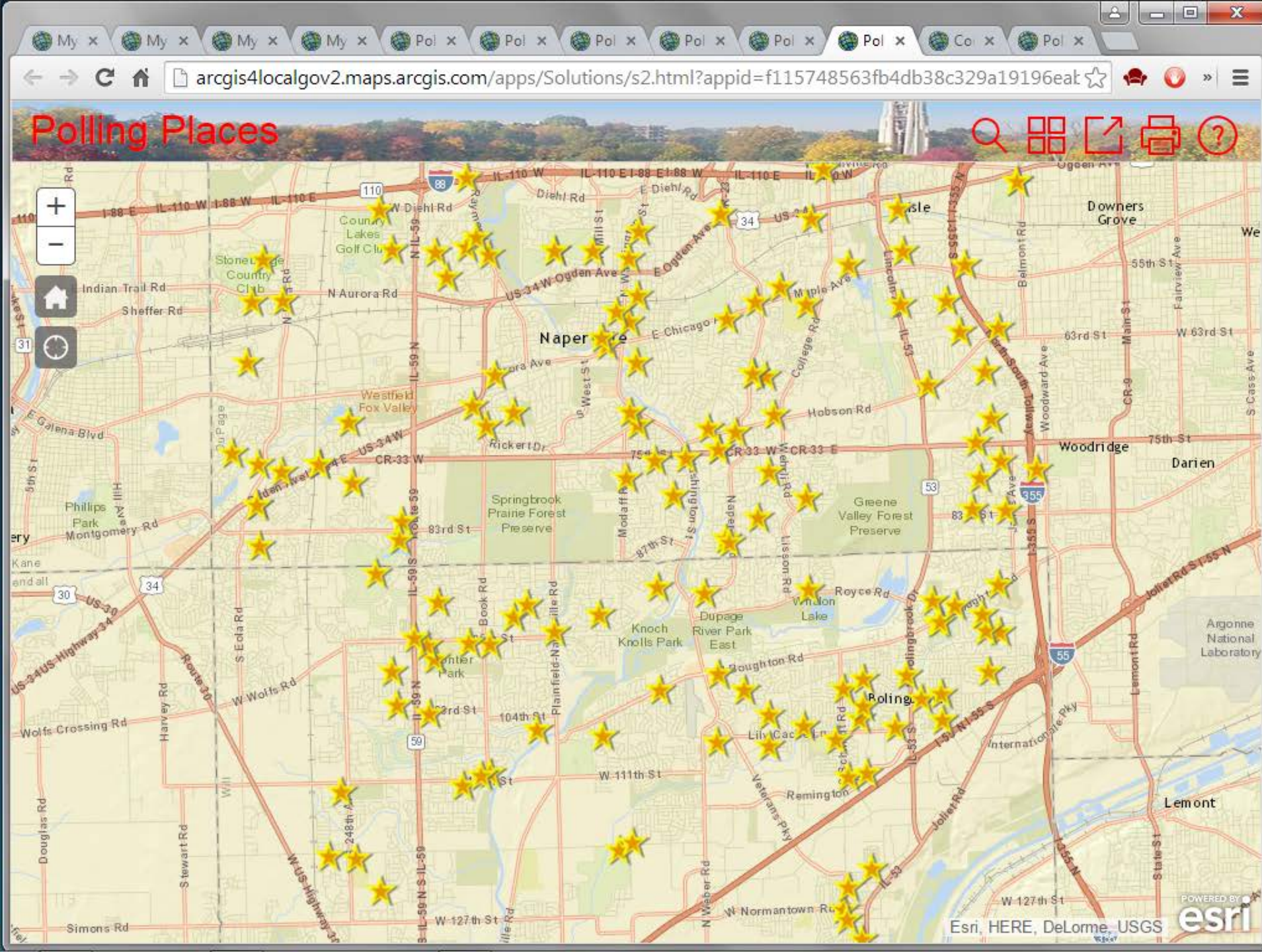
while keeping them hosted by ArcGIS Online

The screenshot displays a web browser window with the URL `arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=459beadf5f454811a5389e615a049e`. The application title is "Polling Places". The main content is a map of Naperville, Illinois, overlaid with a dense distribution of yellow star markers representing polling places. The map includes labels for various streets, parks (e.g., Knoch Knolls Park, Dupage River Park East), and preserves (e.g., Springbrook Prairie Forest Preserve, Greene Valley Forest Preserve). Major roads like US-34, US-30, and I-55 are also visible. In the top right corner, there is a search bar with the placeholder text "Find Location name or address". On the left side of the map, there are navigation controls including a zoom-in (+) and zoom-out (-) button, a home button, and a refresh button. The bottom right corner of the map area features the text "POWERED BY" followed by the logos for Esri, HERE, DeLorme, and USGS.

Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

while keeping them hosted by ArcGIS Online



Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

while keeping them hosted by ArcGIS Online

The screenshot shows a web browser window displaying an ArcGIS Online web map. The browser's address bar shows the URL: `arcgis4localgov2.maps.arcgis.com/home/webmap/configureApp.html?appid=bc95251fa0544b899c77...`. The map title is "Polling Places". The map displays a geographic area around Chicago, Illinois, with numerous yellow star markers representing polling places. The interface includes a search bar, map navigation controls (zoom in, zoom out, home, full screen), and a configuration panel on the right side. The configuration panel has sections for "Find Settings", "Find Layers and Fields", "Result Display Layers and Fields (optional)", and "Application Help".

Currently displaying Polling Places Map web map. Use the Select a map button to choose a different web map.

Alternate Basemap Group: Organization basemaps

Basemap Group Owner:

Find Settings

Hint: Location name or address

Zoom Level: 16

Show Popup for Selected Feature

Find Layers and Fields

Polling Places

Result Display Layers and Fields (optional)

Polling Places

Application Help

Help Text: Finder<hr>
Finder provides the general public and other interested parties access to searchable and interactive information such as

SAVE RESET DONE

Finder & Find, Edit, Filter (FEF) are customizable, e.g.,

- add & remove commands
- customize icons
- start with splash or search
- use banner image
- change available color themes
- search feature layers and/or geocoders

while keeping them hosted by ArcGIS Online

My x My x My x My x Pol x Pol x Pol x Pol x Pol x Pol x Co x Pol x

arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=de43e552d8c6406cbe1db2555dbaa

Polling Places

Find

400 s main

- 400 S Main St, Naperville, Illinois, 60540
- 400 S Main St, Naperville, Illinois, 60540
- 400 Main St, Lemont, Illinois, 60439

Esri, H

Let's take a quick side-trip into the way that ArcGIS Online manages web apps to understand templates...



My x My x My x My x Pol x Pol x Pol x Pol x Pol x Pol x Co x Pol x

arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=de43e552d8c6406cbe1db2555dbaa

Polling Places

Find
400 s main

- 400 S Main St, Naperville, Illinois, 60540
- 400 S Main St, Naperville, Illinois, 60540
- 400 Main St, Lemont, Illinois, 60439

Esri, H

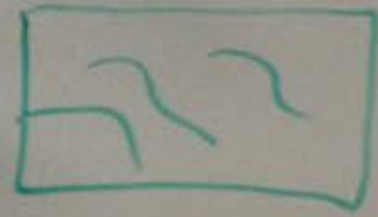
A webmap/group

+

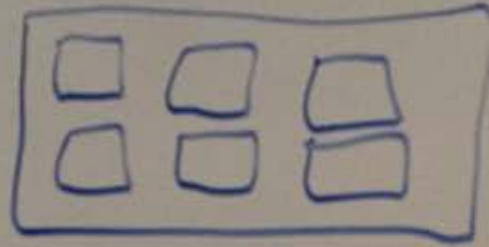
a template from
the template
gallery

=

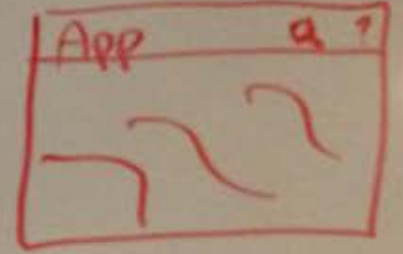
a web app



+



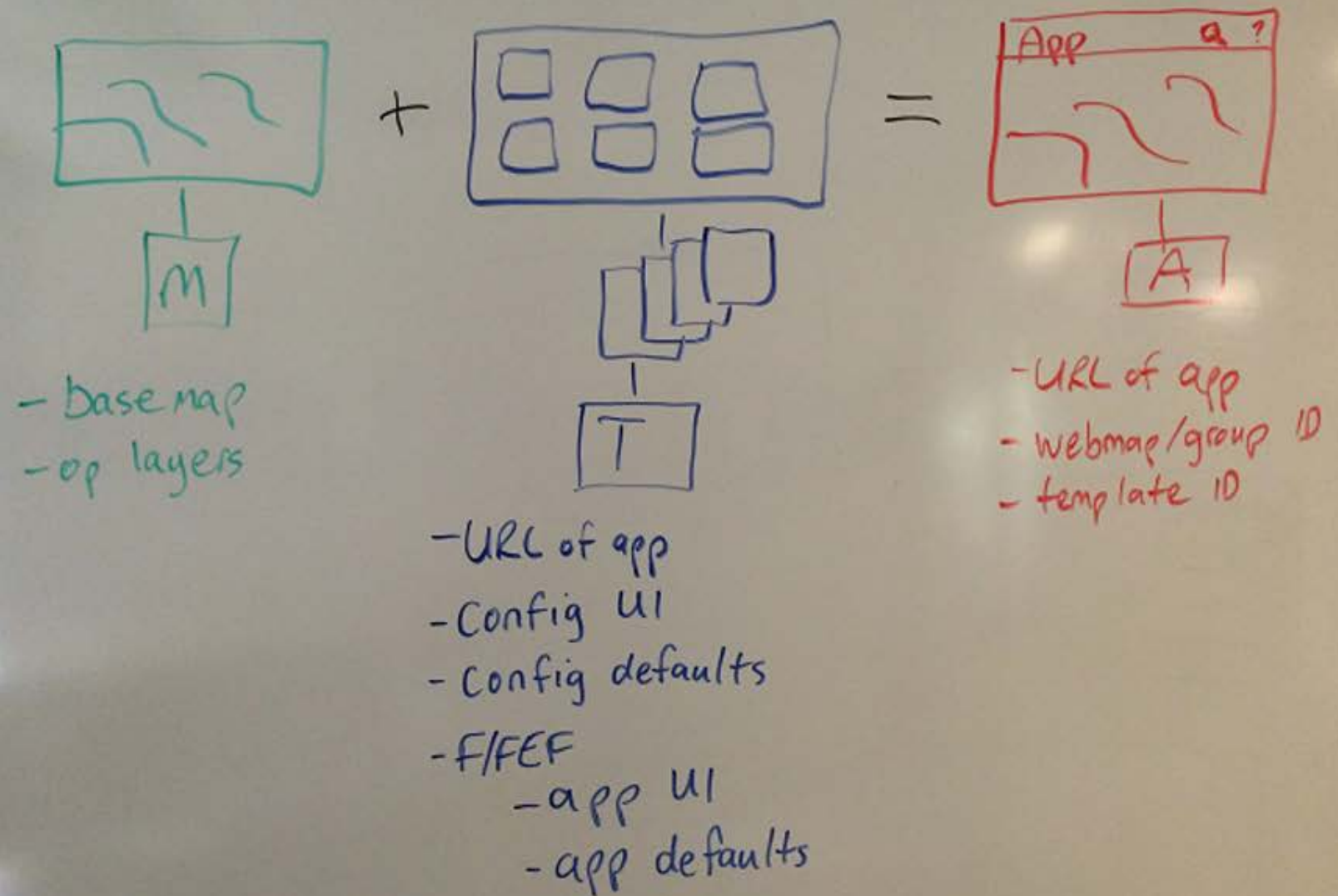
=



Each part has an ArcGIS Online (AGOL) item

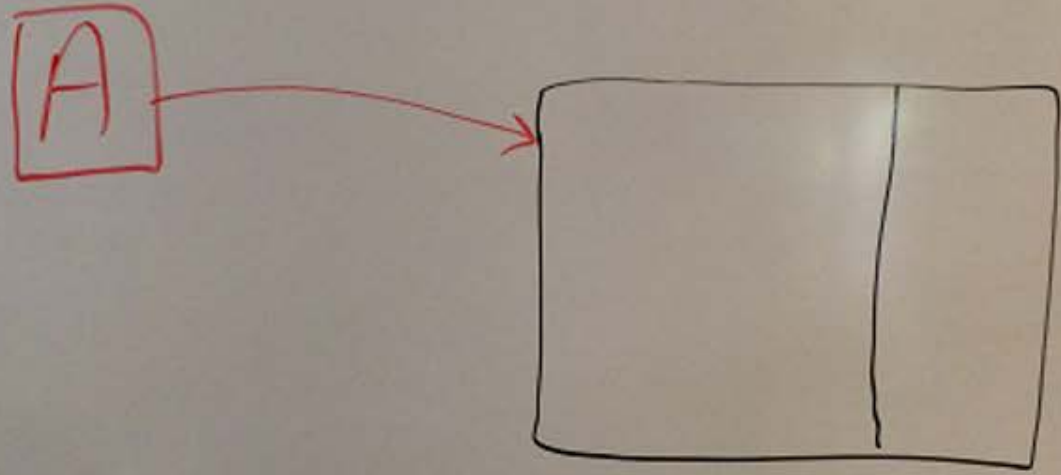
The web app AGOL item stores the ID of the web map and template AGOL items

and copies the web app's URL from the template AGOL item



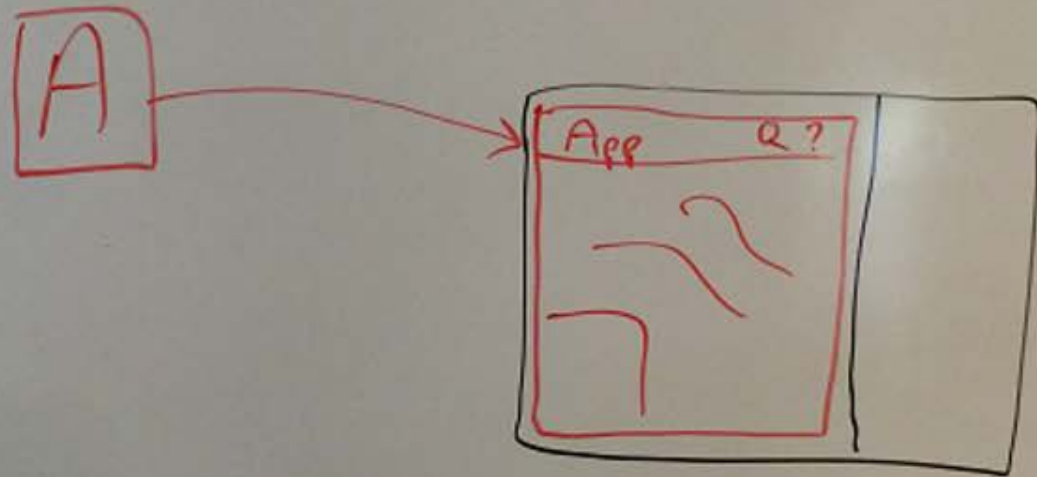
When you
configure a web
app, you are
running the
"configureApp"
web app

It starts with the
web app AGOL
item



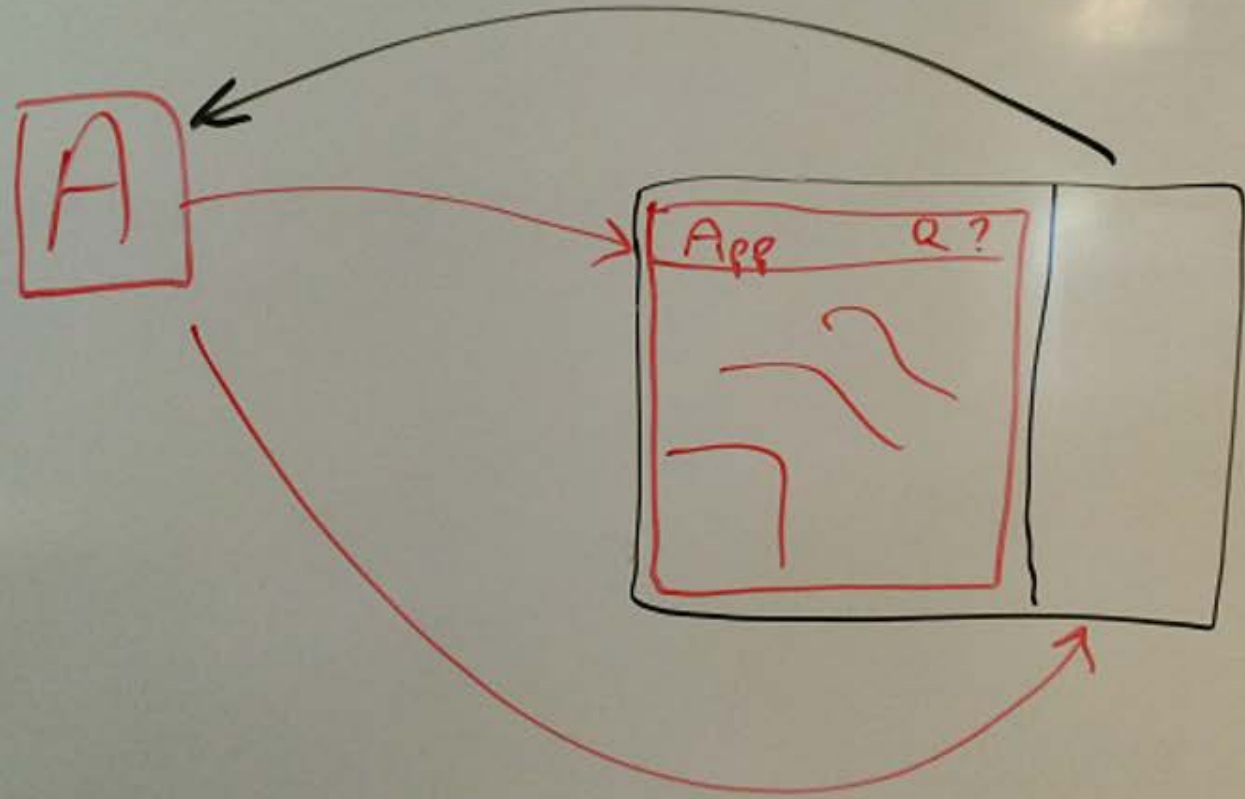
configureApp

- loads your web app into an iFrame



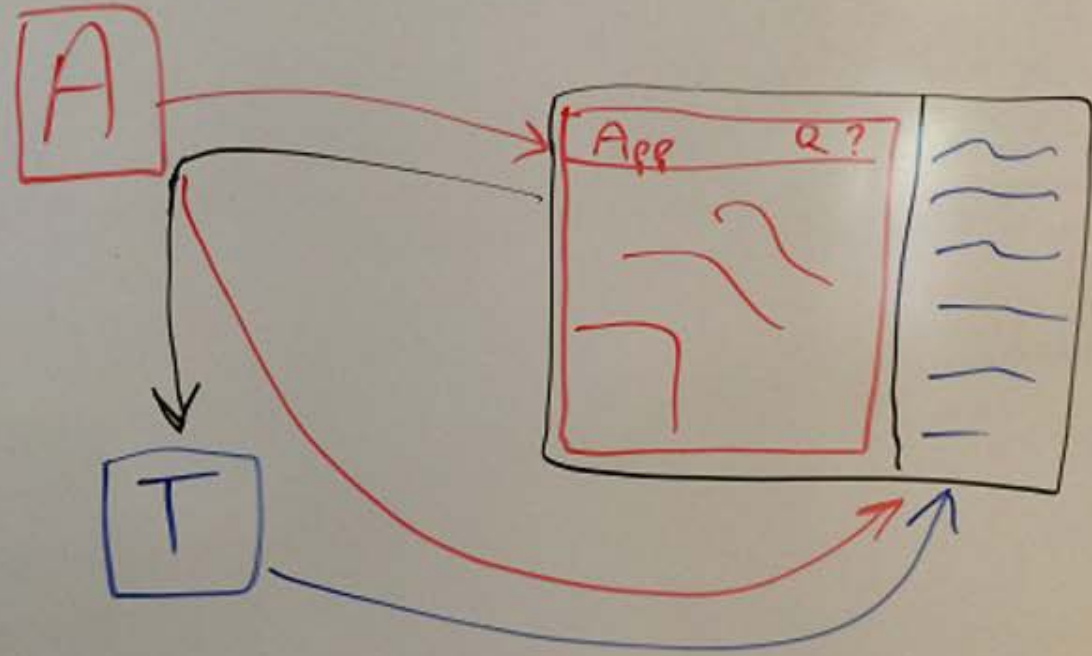
configureApp

- loads your web app into an iFrame
- gets previous configurations & the template ID from the app AGOL item



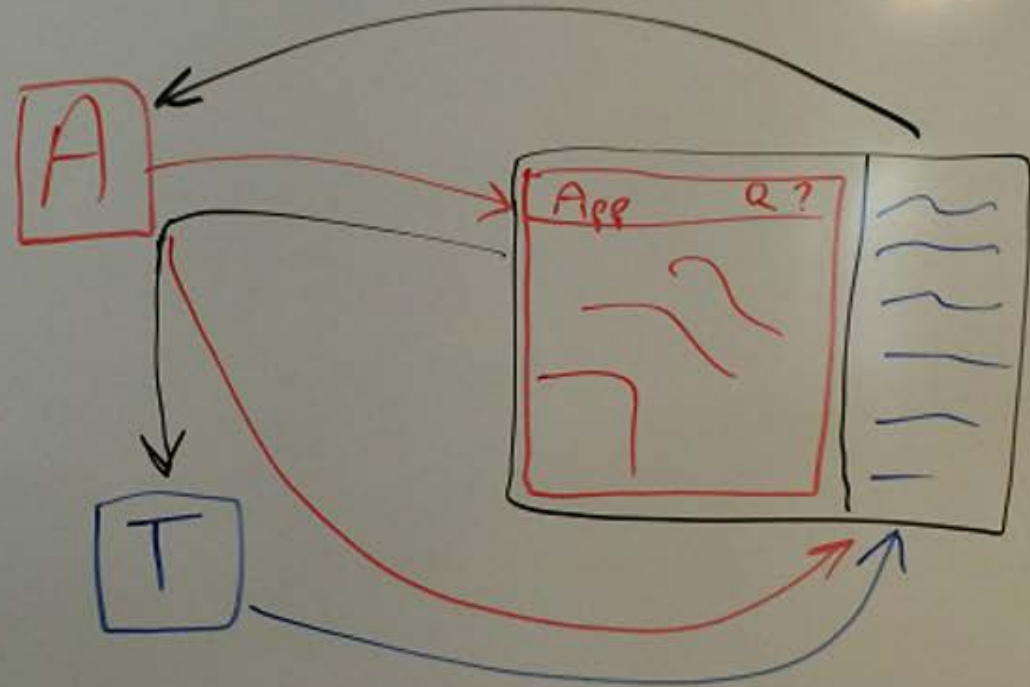
configureApp

- loads your web app into an iFrame
- gets previous configurations & the template ID from the app AGOL item
- gets its configuration UI & defaults from the template AGOL item

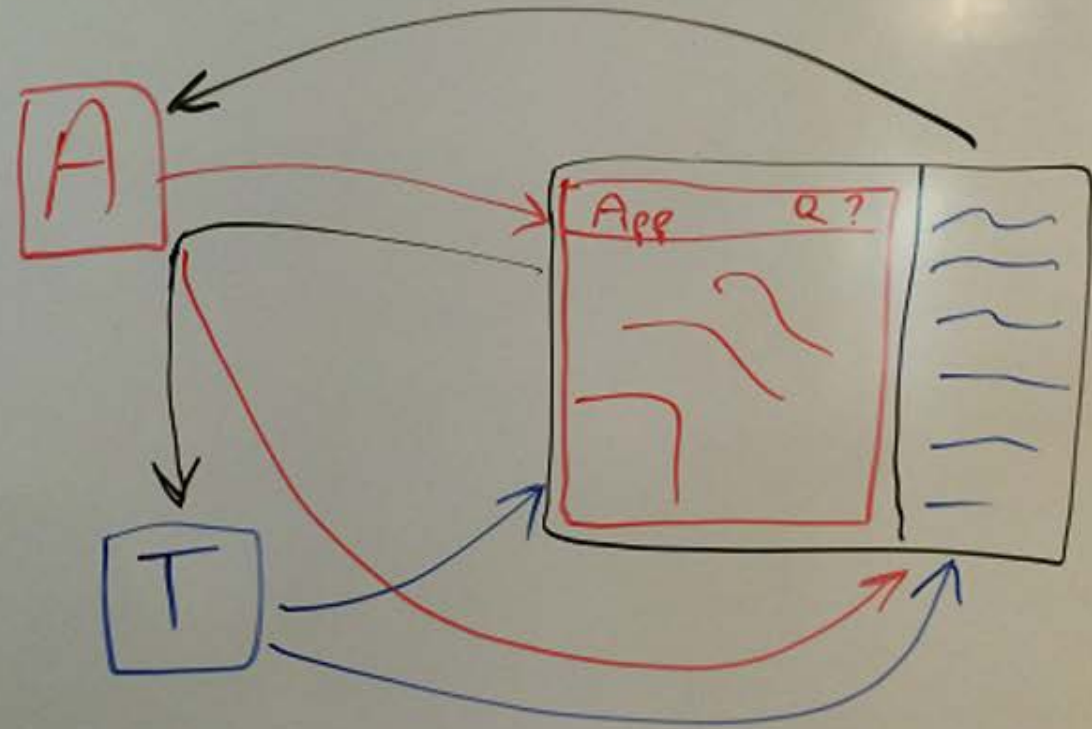


configureApp

- loads your web app into an iFrame
- gets previous configurations & the template ID from the app AGOL item
- gets its configuration UI & defaults from the template AGOL item
- saves config changes to app AGOL item



Finder & FEF
continue to use the
template after web
app creation

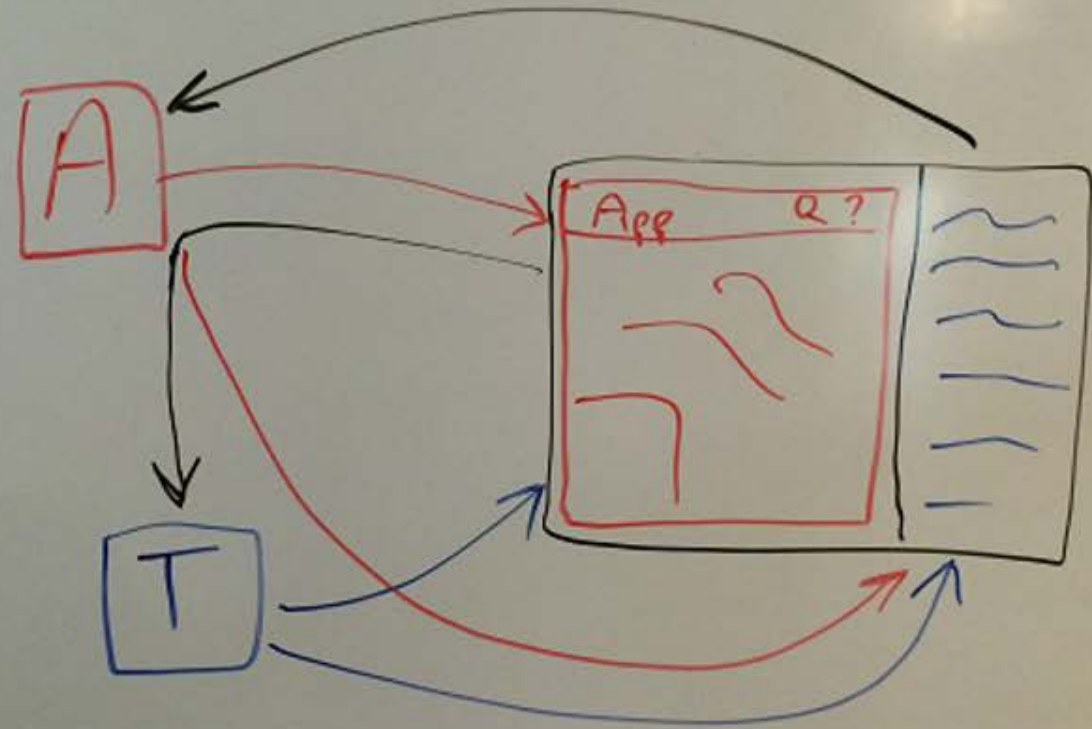


Finder & FEF
continue to use the
template after web
app creation

They get their UI
from the template

They get default
values from the
template

You can change
their UI and
defaults while
AGOL hosts
everything



You've seen the steps to create your own template

My x My x My x My x Pol x Pol x Pol x Pol x Pol x Pol x Co x Pol x

arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=de43e552d8c6406cbe1db2555dbaa...

Polling Places

Find
400 s main

- 400 S Main St, Naperville, Illinois, 60540
- 400 S Main St, Naperville, Illinois, 60540
- 400 Main St, Lemont, Illinois, 60439

Esri, H

You've seen the steps to create your own template

We'll repeat them with Finder, but we'll use the URL to the ArcGIS-hosted app

My x My x My x My x Pol x Pol x Pol x Pol x Pol x Pol x Co x Pol x

arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=de43e552d8c6406cbe1db2555dbaa

Polling Places

Find
400 s main

- 400 S Main St, Naperville, Illinois, 60540
- 400 S Main St, Naperville, Illinois, 60540
- 400 Main St, Lemont, Illinois, 60439

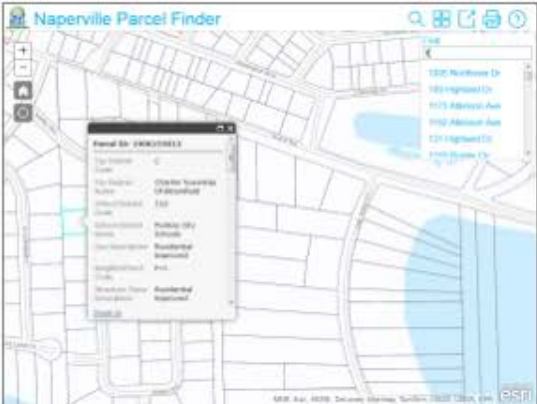
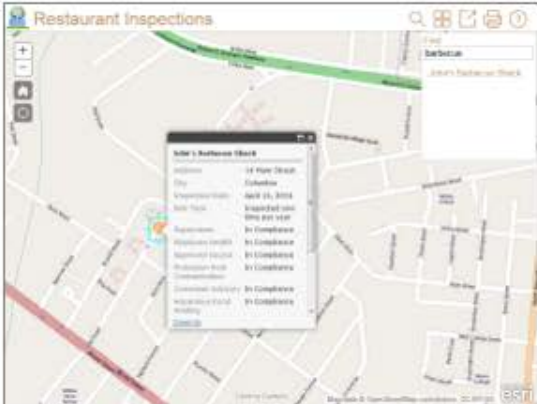
The screenshot displays a web browser window with multiple tabs. The active tab shows an ArcGIS web application titled "Polling Places". The browser's address bar contains the URL: arcgis4localgov2.maps.arcgis.com/apps/Solutions/s2.html?appid=de43e552d8c6406cbe1db2555dbaa. The application interface features a search bar at the top right with the text "400 s main" and a list of search results. The results include three entries: "400 S Main St, Naperville, Illinois, 60540", "400 S Main St, Naperville, Illinois, 60540", and "400 Main St, Lemont, Illinois, 60439". The main area of the browser is occupied by a map of Naperville, Illinois, with numerous yellow star markers indicating polling places. The map shows major roads like US-34 and US-59, and landmarks like Stone Ridge Country Club and Springbrook Prairie Forest Preserve. The bottom of the browser window shows the Esri logo and the text "Esri, H".

Create the template

1. Search for the Esri Finder (“finder owner:esri_en”)
2. Copy the URL property
3. In your org, add an item—an application, configurable
4. Start editing the item
5. Fix the URL to the app if necessary

For more information on configuring this app, see the Finder [documentation](#).

Screenshots



Properties

| | |
|-----------------|---|
| URL | /apps/Solutions/s2.html?app= apps2/Finder |
| Code Attachment | Finder Github Download |
| Purpose | Configurable |
| API | JavaScript |
| Tags | ArcGIS web application template |
| Credits | |
| Size | 26 KB |
| Extent | |

Add the definition to the template

1. From the Finder download, copy the contents of file apps2\Finder.json and paste into new item's Configuration Parameters
2. Save

The screenshot shows a web browser displaying the GitHub repository page for 'Esri / local-government-online-apps'. The page includes the GitHub logo, navigation links (Explore, Features, Enterprise, Blog), and a search bar. The repository name is 'Esri / local-government-online-apps' with 49 watches, 31 stars, and 59 forks. The repository description is 'Esri's ArcGIS for Local Government team's online applications'. It shows 585 commits, 4 branches, 6 releases, and 5 contributors. The current branch is 'master'. A list of recent commits is visible, including 'readme updates' by 'allisonmuise' 14 days ago, and various updates to folders like 'apps2', 'config', 'css', 'doc', 'images', 'js', 'js2', 'proxy', and files like '.gitattributes' and '.gitignore'.

| Commit | Message | Time |
|-----------------------------------|--|--------------------------|
| readme updates | | |
| allisonmuise authored 14 days ago | | latest commit 04af1f58e4 |
| apps2 | Updated URL for sharing to Twitter | 6 months ago |
| config | Changed default SQL search to ASCII; one can configure Unicode search... | 6 months ago |
| css | Grafted app onto application-builder-js | 10 months ago |
| doc | Documentation updates | 8 months ago |
| images | New thumbnail graphic | 9 months ago |
| js | Updated language files | 19 days ago |
| js2 | Linted | 4 months ago |
| proxy | Changed webmap basemap icon retrieval order to webmap thumbnail, conf... | 9 months ago |
| .gitattributes | Basic files | 2 years ago |
| .gitignore | Prepared for AGOL checkin | 2 years ago |

Add the definition to the template

1. From the Finder download, copy the contents of file apps2\Finder.json and paste into new item's Configuration Parameters
2. Save

The screenshot shows a web browser window with the URL `localgovtest.maps.arcgis.com/home/item.html?id=a6ff471d037f4293b50f0e2ad5c92b61`. The browser has three tabs labeled 'My Content' and one labeled 'My Finder'. The main content area is mostly blank, with a 'Properties' section below it. The 'Properties' section includes:

- URL: `http://localgovtest.maps.arcgis.com/apps/Solutions/s2.html?app=apps2/Finder`
- Purpose: Configurable
- API: JavaScript
- Tags: DevSummit (with a close button) and 'Add tag(s)'
- Credits: (empty field)
- Delete Protection: Prevent this item from being accidentally deleted.
- Extent: SET EXTENT

Below the properties is the 'Configuration Parameters' section, which contains a JSON definition:

```
{  
  "shareUrl": "https://twitter.com/intent/tweet?url=${url}&text=${subject}",  
  "busyIndicator": "busyIndicator",  
  "dependencyId": "map"  
}
```

At the bottom of the configuration area, there are two buttons: 'SAVE' and 'CANCEL'.

Share the template into the organization's gallery

and you're ready to publish a webmap using the template

If any webmaps are open, refresh them to update the template gallery

My Content x My Content x My Content x My Finder x

localgovtest.maps.arcgis.com/home/item.html?id=a6ff471d037f4293b50f0e2ad5c92b61

My Finder

Web Mapping Application by mtschudi_demo
Last Modified: [stars]
Facebook

OPEN SHARE EDIT

USAGE ATTACH CODE

Share

Share the item(s) with:

- Everyone (public)
- Local Government Testing
- These groups:
 - Demo Map App Templates

These settings will replace the current settings.

OK CANCEL

Description

Properties

| | |
|-------------------|----------------------------|
| URL | http://localgovtest.maps.a |
| Code Attachment | None |
| Purpose | Configurable |
| API | JavaScript |
| Shared with | The item is not shared. |
| Tags | DevSummit |
| Credits | |
| Size | 1 KB |
| Delete Protection | Disabled |
| Extent | |

Once we know that the template is working, let's change a few things in our Finder template

- defaults
- color theme
- splash screen

My Content

My Finder

OPEN

Description

Properties

URL

Code Attachment

Purpose

API

Shared with

Tags

Credits

Size

Delete Protection

Extent

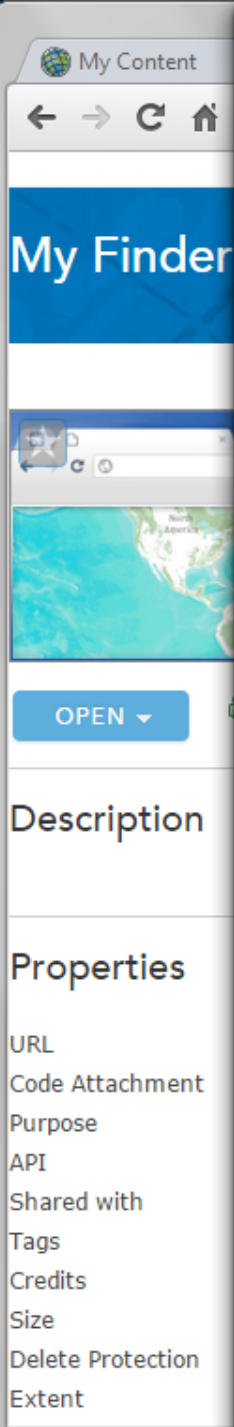
```
Finder.json - C:\Users\mike6491\b\git\local-government-online-apps\apps2\Finder.json * - SlickEdit
File Edit Search View Project Build Debug Document Macro Tools Window Help
Finder.json * x
9:      " |   http://www.apache.org/licenses/LICENSE-2.0",
10:     " |",
11:     " | Unless required by applicable law or agreed to in writing, s
12:     " | distributed under the License is distributed on an 'AS IS' B
13:     " | WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express
14:     " | See the License for the specific language governing permissi
15:     " | limitations under the License."
16:   ],
17:   "documentation": [
18:     "For help configuring this application, see:",
19:     "http://solutions.arcgis.com/local-government/help/finder/, or",
20:     "http://solutions.arcgis.com/state-government/help/finder/"
21:   ],
22:   "values": {
23:     "webmap": "d3df161ab8204e848b359d5f352b5b65",
24:     "titleBar.title": "Finder",
25:     "titleBar.iconUrl": "http://webapps-cdn.esri.com/Apps/MegaMenu/i
26:     "colorizer.theme": "SeaBlues",
27:     "searchBox.hint": "",
28:     "featureSearcher.searchLayersString": "[]",
29:     "featureSearcher.displayLayersString": "[]",
30:     "highlighter.showFeaturePopup": true,
31:     "highlighter.highlightZoomLevel": 16,
32:     "basemapBox.basemapgroupTitle": "",
33:     "basemapBox.basemapgroupOwner": "",
34:     "helpMessageBox.content": "Finder<hr><br>Finder provides the gen
35:   },
36: }
```

Search Results Preview References Build Message List Output

Line 25 Col 84 54 Cols RW REC Ins U+0022

Once we know that the template is working, let's change a few things in our Finder template

- defaults
- color theme
- splash screen



My Content

My Finder

OPEN

Description

Properties

URL

Code Attachment

Purpose

API

Shared with

Tags

Credits

Size

Delete Protection

Extent

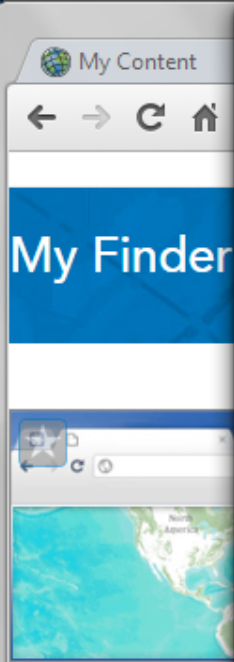
```
Finder.json - C:\Users\mike6491\b\git\local-government-online-apps\apps2\Finder.json * - SlickEdit
File Edit Search View Project Build Debug Document Macro Tools Window Help
app_colors.json x Finder.json * x
Projects Defs Class Symbols Open
159:         "config": {
160:             "rootId": "colorizer",
161:             "parentDiv": "contentDiv",
162:             "colorTable": [{
163:                 "theme": "Red",
164:                 "colors": ["#fff", "#ff0000", "#ff8080", "#ff8080"]
165:             }, {
166:                 "theme": "Orange",
167:                 "colors": ["#000", "#ff8000", "#ffc080", "#ffc080"]
168:             }, {
169:                 "theme": "Yellow",
170:                 "colors": ["black", "#ffff00", "#808000", "#808000"]
171:             }, {
172:                 "theme": "Green",
173:                 "colors": ["#fff", "#008000", "#80ff80", "#80ff80"]
174:             }, {
175:                 "theme": "Blue",
176:                 "colors": ["white", "#0000ff", "#8080ff", "#8080ff"]
177:             }, {
178:                 "theme": "Indigo",
179:                 "colors": ["#fff", "#4b0082", "#9680ff", "#9680ff"]
180:             }, {
181:                 "theme": "Violet",
182:                 "colors": ["#fff", "#9400d3", "#ff80ff", "#ff80ff"]
183:             }]
184:         }, {
185:         "classname": "js.LGFrame",
186:
```

Search Results Preview References Build Message List Output

Line 183 Col 1 22 Lines RW REC Ins U+0020

Once we know that the template is working, let's change a few things in our Finder template

- defaults
- color theme
- splash screen



My Content

My Finder

OPEN

Description

Properties

URL

Code Attachment

Purpose

API

Shared with

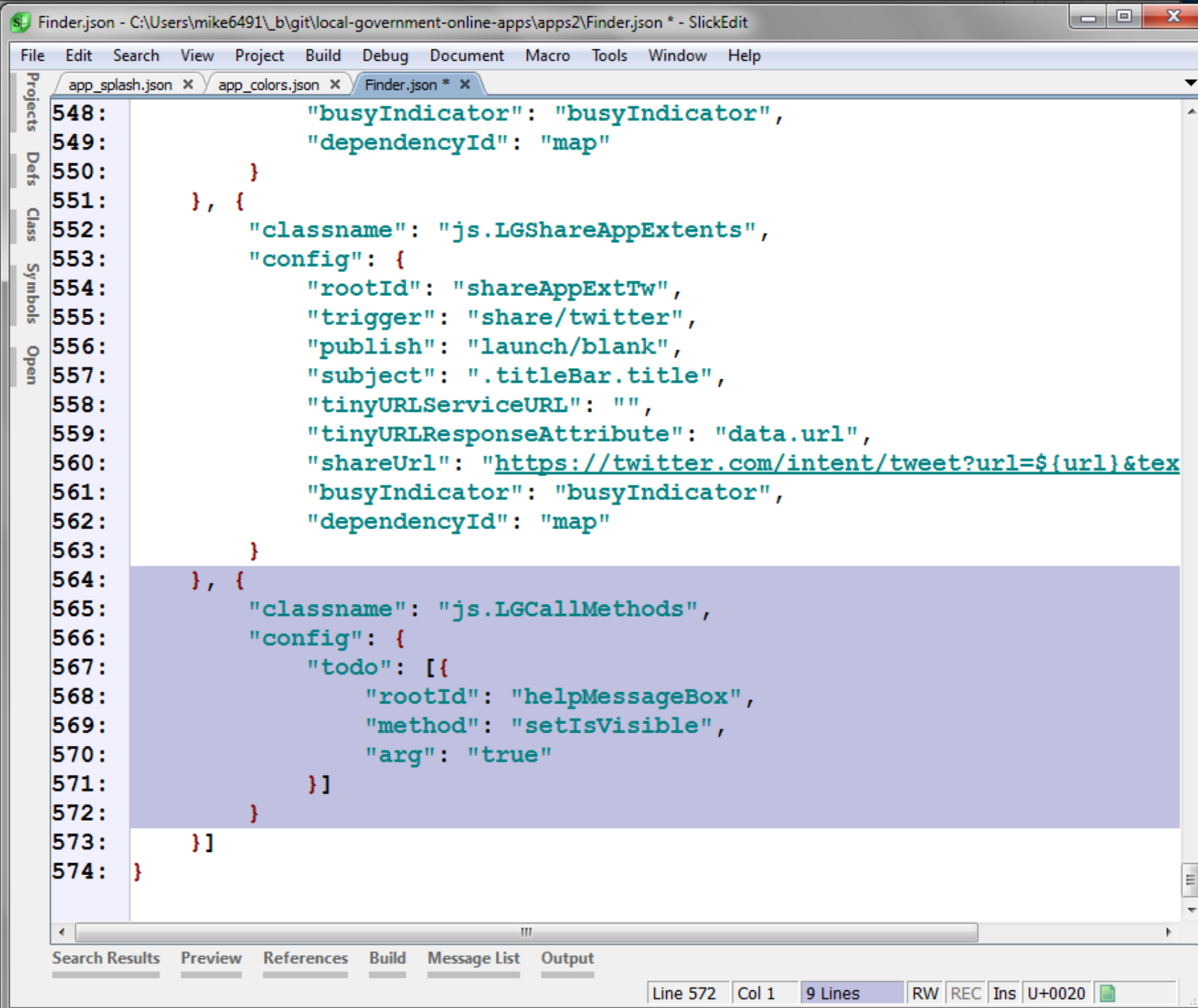
Tags

Credits

Size

Delete Protection

Extent



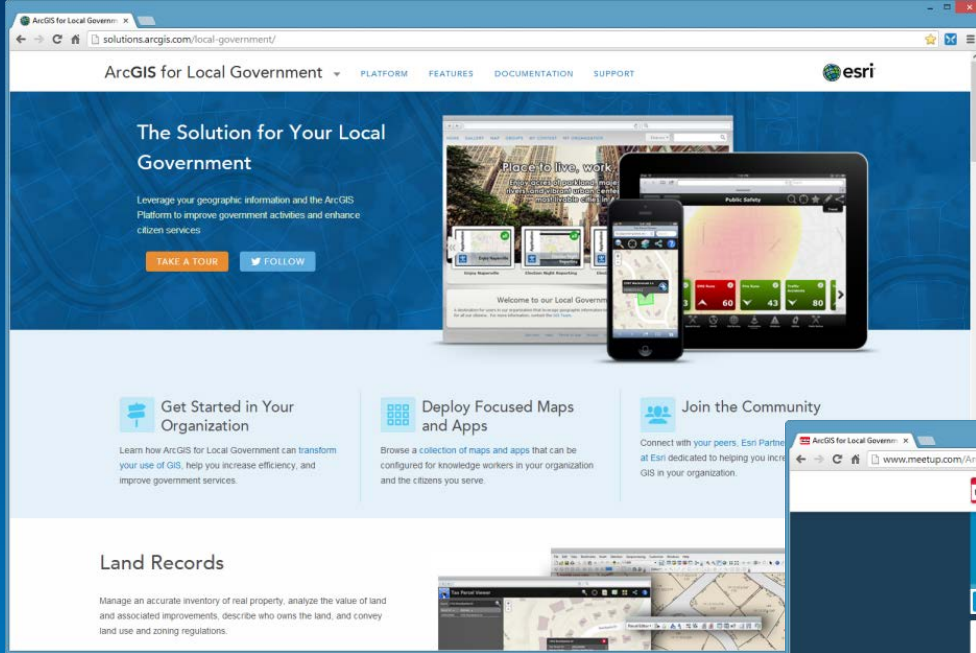
```
Finder.json - C:\Users\mike6491\b\git\local-government-online-apps\apps2\Finder.json * - SlickEdit
File Edit Search View Project Build Debug Document Macro Tools Window Help
app_splash.json x app_colors.json x Finder.json * x
548:         "busyIndicator": "busyIndicator",
549:         "dependencyId": "map"
550:     }, {
551:     }, {
552:         "classname": "js.LGShareAppExtents",
553:         "config": {
554:             "rootId": "shareAppExtTw",
555:             "trigger": "share/twitter",
556:             "publish": "launch/blank",
557:             "subject": ".titleBar.title",
558:             "tinyURLServiceURL": "",
559:             "tinyURLResponseAttribute": "data.url",
560:             "shareUrl": "https://twitter.com/intent/tweet?url=${url}&text=${text}",
561:             "busyIndicator": "busyIndicator",
562:             "dependencyId": "map"
563:         }
564:     }, {
565:         "classname": "js.LGCallMethods",
566:         "config": {
567:             "todo": [{
568:                 "rootId": "helpMessageBox",
569:                 "method": "setIsVisible",
570:                 "arg": "true"
571:             }]
572:         }
573:     }]
574: }
```

Search Results Preview References Build Message List Output

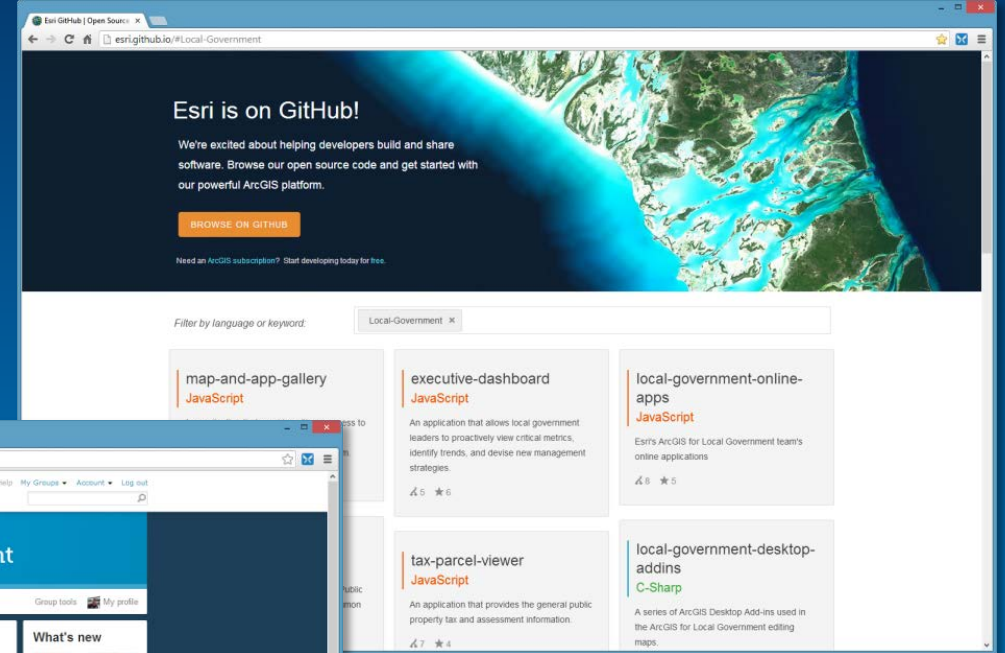
Line 572 Col 1 9 Lines RW REC Ins U+0020

The Community

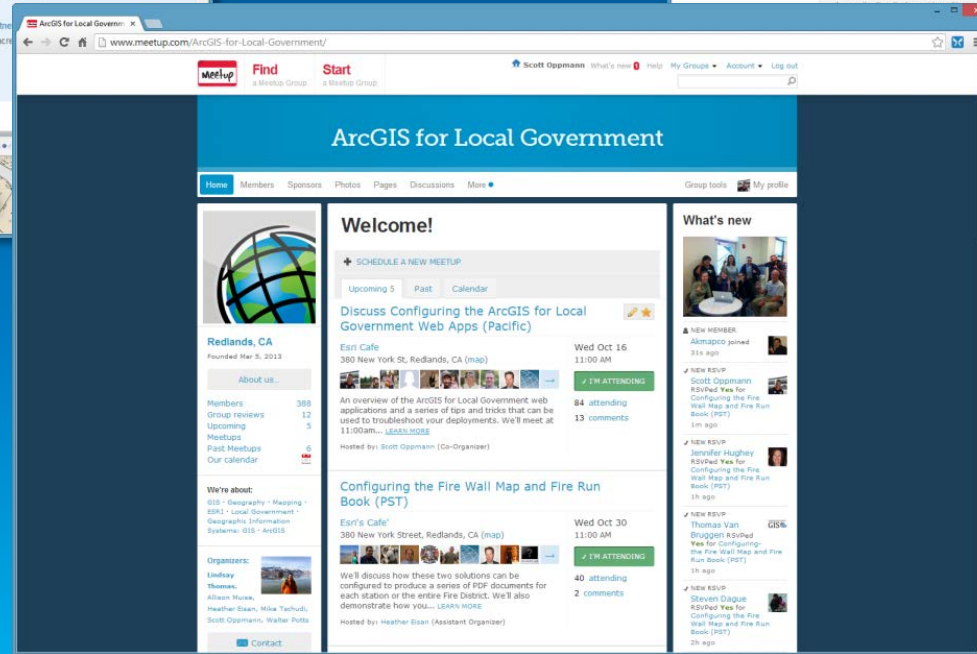
It's not just about the technology



Destination where governments can collaborate



Place where developers can contribute too



Ongoing dialog to share success stories and learn from others

It's a Process

Continuously Evolving Application Offerings

- New maps and apps
 - Crowdsource Polling, Street Photo Survey, etc.
- Ongoing application updates
 - Improved UI, enhanced device support, new features, bug fixes, etc.

Summary

- Identify the business needs of your organization
- Leverage ArcGIS Online web application templates
- Configure quickly, customize if necessary
- Participate in the community
 - Join our Meetup!
- Don't hesitate to ask for help from
 - Esri, Peers, Partners



Thank You

Esri.com/RateMyDevSummitSession



<http://solutions.arcgis.com>



<http://meetup.com/ArcGIS-for-Local-Government/>



[@ArcGISLocalGov](https://twitter.com/ArcGISLocalGov)



<http://esri.github.com/#Local-Government>



DEVELOPER SUMMIT

March 10–13



Understanding our world.