



Building Hub-Ready Apps for Constituent Engagement

@jgravois / @tomwayson

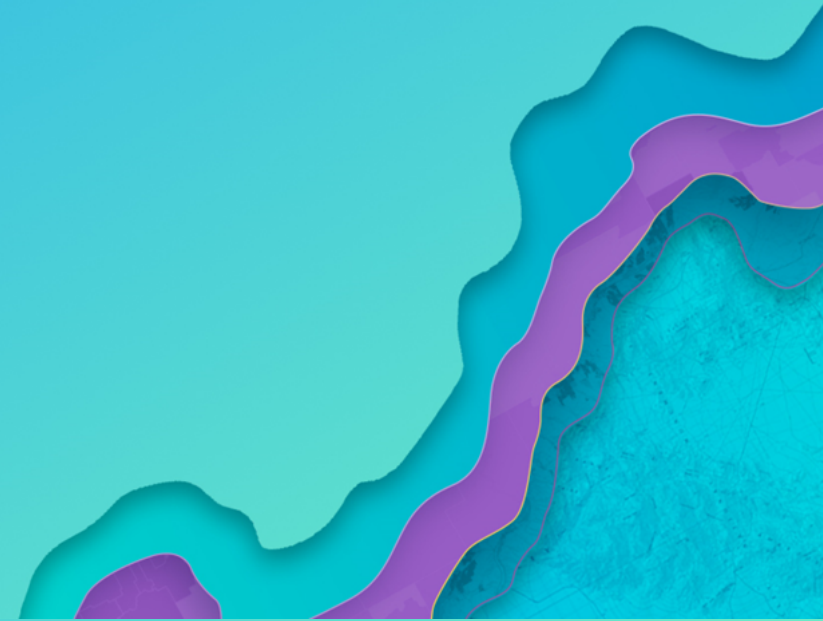
slides: <http://bit.ly/2I7q0d3>



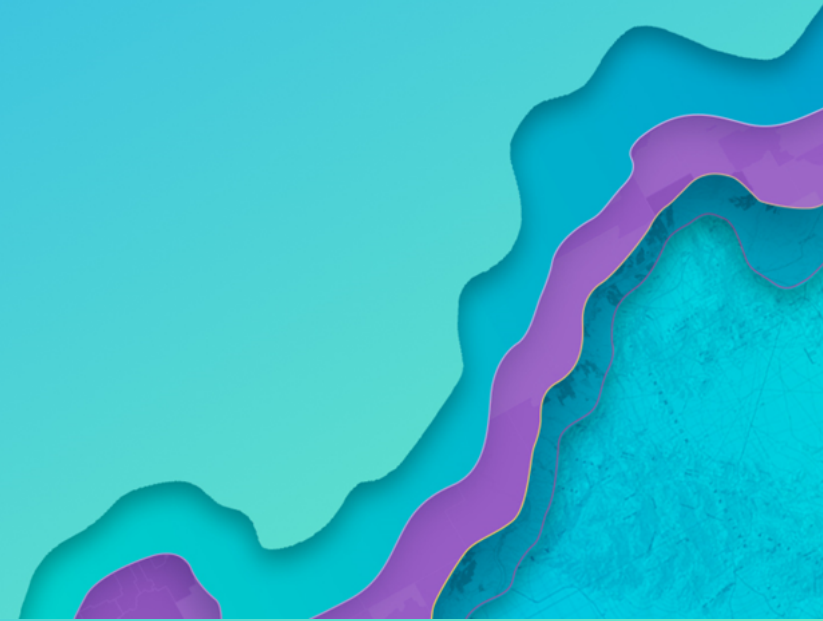
what the heck is a *Hub-ready app*?

Demo - Economic Development

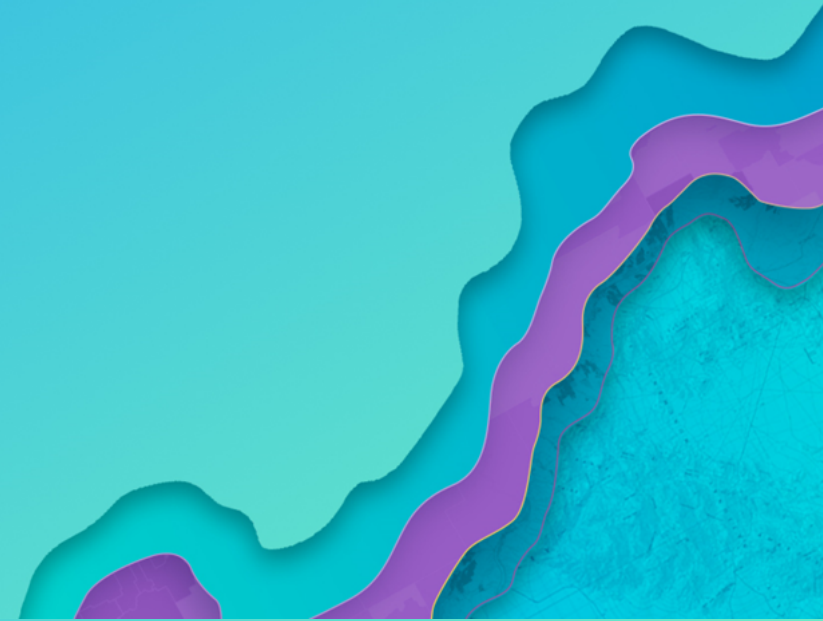
configurable / indicator aware



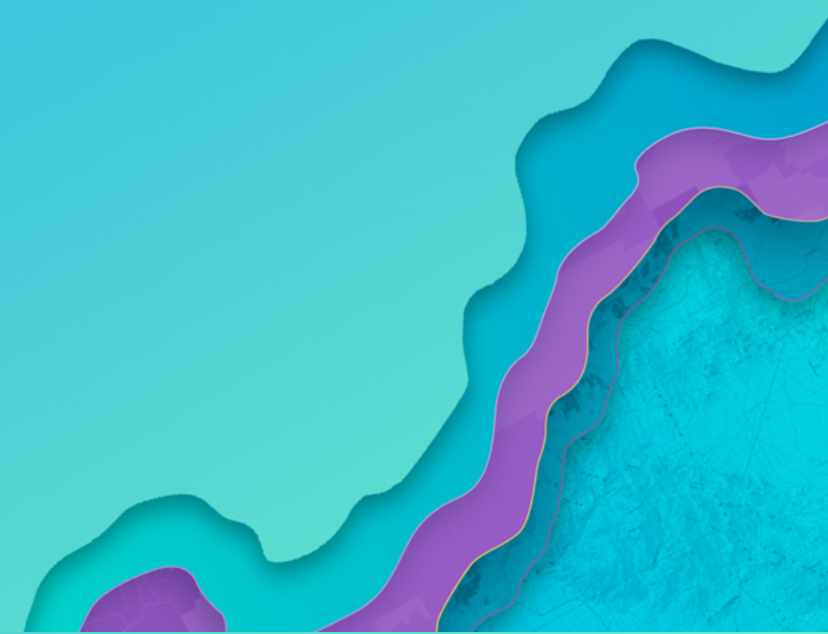
Demo: Collision Lens



adlib to the rescue

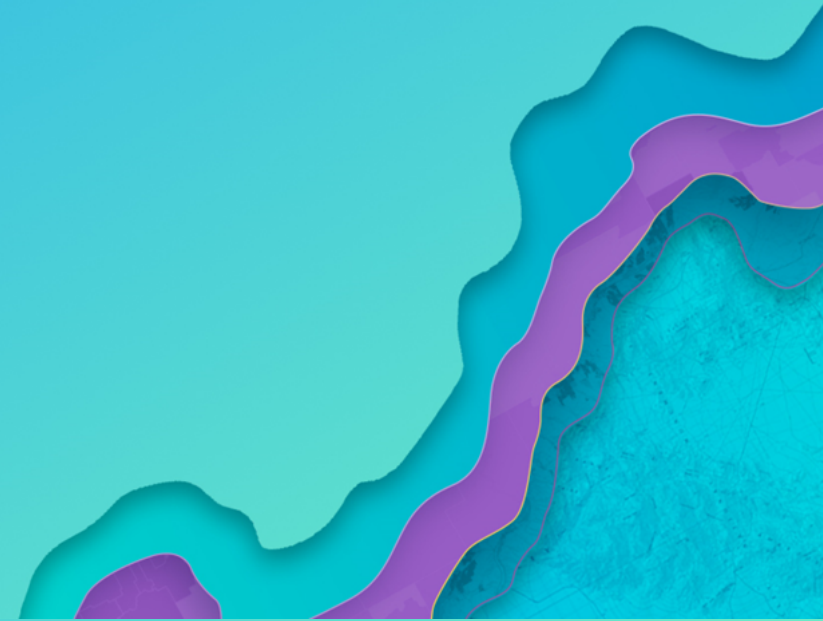


Configurable App Spec

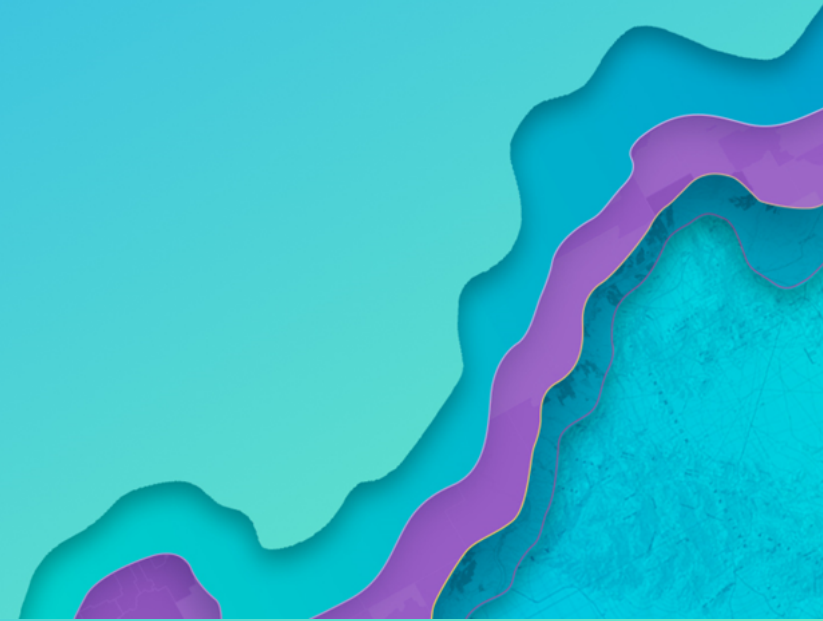


ArcGIS Identity

use OAuth2!



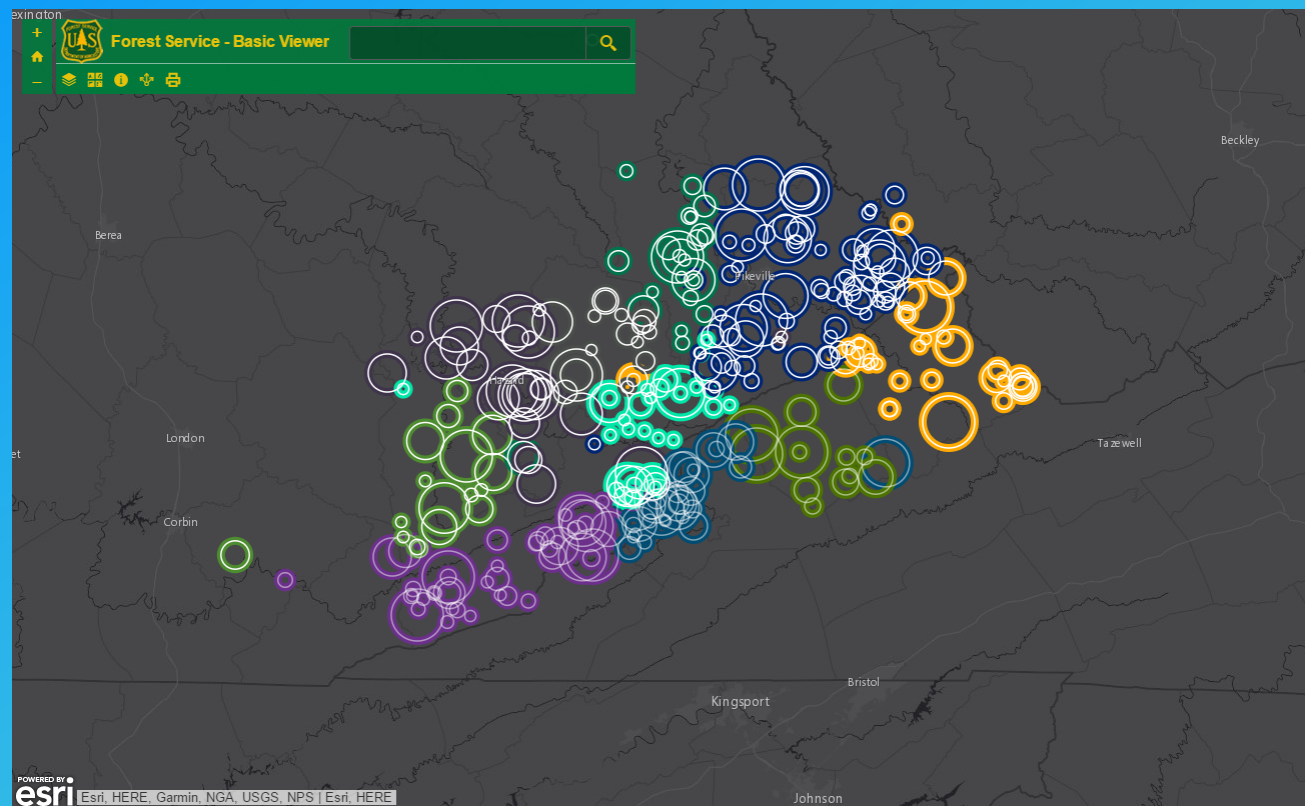
Demo






Shared Themes

Communicates source of the app





Organization Shared Themes

Shared Theme


Use the shared theme settings to apply your organization's brand colors to information products created from configurable app templates, Story Maps, and to your Open Data sites. Define the shared theme of your organization using the color pickers below.


Header: Sample Text


Text Color: 

Background: 


Body: Sample Text


Text Color: 

Background: 

Link Color: 

Button: Sample Text

Text Color: 

Background: 

Logo

Logo Url:

Example: <https://org.maps.arcgis.org/logo-small.png>

Fetch from portals self API

Only available to logged in users



Hub Site Shared Themes

The image displays the 'Hub Site Shared Themes' interface, which is split into two main sections: the 'Site Editor' on the left and a theme preview on the right.

Site Editor (Left Panel):

- Admin:** Indicated by a house icon.
- Site Editor:** The main editing area.
- Publishing:** Includes a 'Save' button with a dropdown arrow and a 'View Site' button. A note below states: 'Updated 7 days ago' and 'We recommend you work in a single tab to prevent lost work.'
- Site Info:** A section with a right-pointing arrow.
- Header Settings:** A section with a right-pointing arrow.
- Theme Builder:** A section with a dropdown arrow, containing several color selection options:
 - Header Background Color:** #1c66a6 (with a blue color swatch).
 - Header Text Color:** #ffffff (with a white color swatch).
 - Body Background Color:** #f8f8f8 (with a light gray color swatch).
 - Body Text Color:** #4c4c4c (with a dark gray color swatch).
 - Body Link Color:** #136fbf (with a blue color swatch).
 - Button Background Color:** #ffffff (with a white color swatch).

Theme Preview (Right Panel):

- Header:** A dark blue header with a gear icon on the left.
- Main Content:** A large section with a background image of a city at night. The text reads: 'Public Engagement' in large white font, followed by 'For Smarter Communities' in smaller white font. Below this, there is a paragraph of text: 'platform for exploring and downloading open data, discover local issues. You can analyze and combine Open Datasets using... ons. Let's make our great community even better, together!'
- Find Data:** A section with a large white heading 'Find Data' and a search bar below it. The search bar contains the text 'Search for Data' and a magnifying glass icon.
- Footer:** A white section with the text 'Explore Data Categories'.

Fetch from Hub site item

A resource on the site item

Access based on site permission (public, group, private)



Example: MyStreet



Accessible Apps

Accessible Web Mapping Apps: ARIA, WCAG and 508 Compliance

Kelly Hutchins, Tao Zhang

Friday, March 09 8:30 am - 9:30 am Smoketree A-E

Hub's short list

text alternatives (`alt="logo"`)

semantics and relationships (`<nav>`, `<label for="username">`)

keyboard (`tabindex="2"`, visible focus)

color (minimum contrast)

language (`lang="fr"`)

Engaging citizens where they are



Responsive required





Built into the ArcGIS API for JavaScript

Responsive UI frameworks

Bootstrap
Foundation
Skeleton...

CSS solutions for modern browsers

flexbox
grid



Beyond responsive

||||

We need to *respond*

Maps are heavy



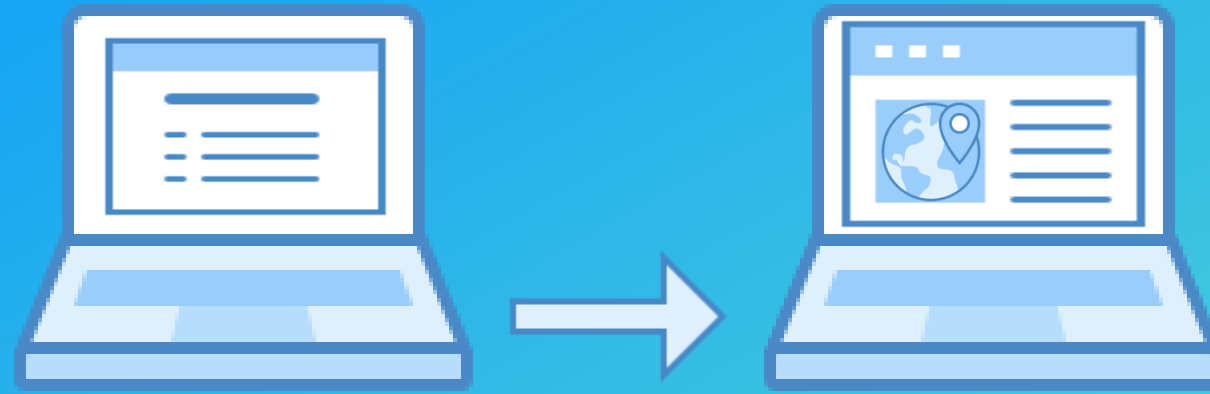
We're working on it

No map? No problem



Use something like `arcgis-rest-js`

Map only on *some* routes



Use something like esri-loader

Especially for mobile first apps



Use something like esri-loader

All about the map / 3D scene?



Use something like `maps-app-javascript`

Progressive Web Apps

Reliable (*some* offline)

Fast (service worker to cache content)

Engaging (install on homescreen)

The background is a solid blue gradient that transitions into a teal color towards the right. There are several wavy, organic shapes in a darker blue and teal color, some of which are outlined in white, creating a layered, topographical effect. These shapes are primarily located in the top right and bottom left corners.

More recommended patterns

Localized (i18n)

```
//.yaml
geoservice:
  plan: "The source license grants permission..."

copylabel.append( 'span' )
.html( t( 'geoservice.plan' ) );
```

Import from a GeoService by URL✕

Copyright information: USBureauoftheCensus:http://www.census.gov

☒ The source license grants permission for inclusion in OpenStreetMap. I'm also providing a link to my import plan:

(source)

Durable state

`http://yourapp.com/?center=-117,34&zoom=12`

Durable state

```
require(["esri/core/urlUtils"], function(urlUtils) {  
    urlUtils.urlToObject("http://www.myworld.com?state_name=Ohio&city_name=Akron")  
    // {  
    //   path: "http://www.myworld.com",  
    //   query: {  
    //     state_name: "Ohio",  
    //     city_name: "Akron"  
    //   }  
    // }  
});
```


Data Citation

The screenshot displays the DC Water Service Information web application. The browser address bar shows the URL: <https://geo.dcwater.com/Lead?location=303+11th+St+NE,Washington+DC>. The application header includes a search bar with the text "303 11TH STREET NE, WASHI" and a "More Information" link. A popup window titled "Service Address: 303 11TH ST NE" provides details about the service location, including "In Public Space" and "Private Side (Property Owner's responsibility)". The popup also lists "Type" and "Description" for both public and private sides. A scale bar at the bottom left indicates distances up to 40 feet. The bottom of the screen shows the Esri logo and a list of data providers: DCGIS, M-NCPPC, VITA, Esri, HERE, DeLorme, INCREMENT P, Intermap, US... A "Data" link is visible in the bottom right corner.

Service Address: 303 11TH ST NE

In Public Space

- Type : Copper
- Description : Assess further for confirmation

Private Side (Property Owner's responsibility)

- Type : No information
- Description : No information recorded

FAO Sheet

Source Data

- [DC Water Pipes](#)
- [DC Parcels](#)
- [DC Roads](#)

[Data](#)

Link to Open Data
Link to Item Page
Link to Service

Telemetry

'That which is measured, improves' - Thomas S Monson

please, *please*, **please** fill out a session survey

1. download the Esri Events App
2. select Dev Summit
3. search for "Hub ready"
4. leave feedback!

idea, question, issue, or success story?

@geogangster / @tomwayson

Slides: <http://bit.ly/2I7q0d3>



esri

*THE
SCIENCE
OF
WHERE*