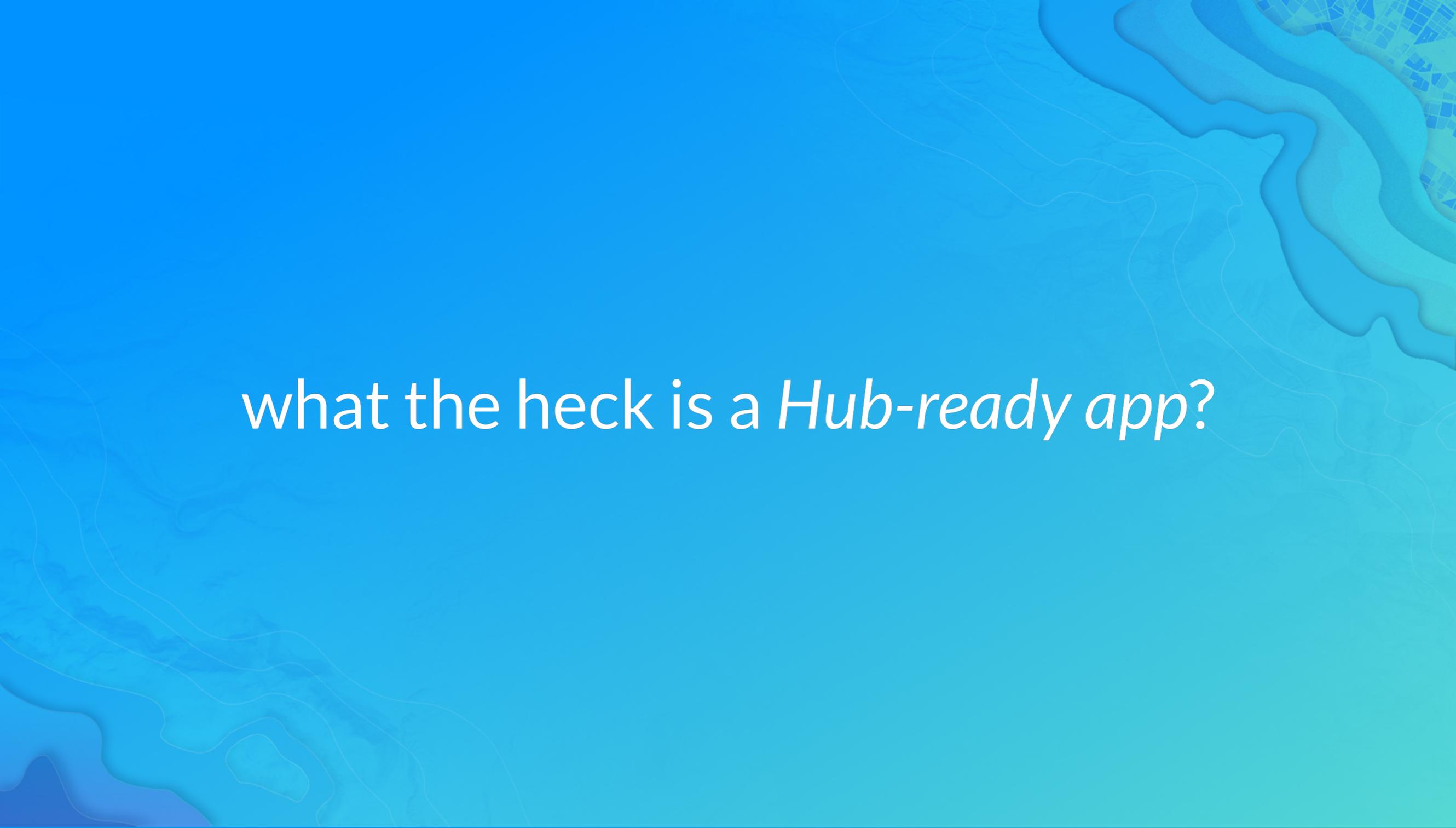




# Building Hub-Ready Apps for Constituent Engagement

@jgravois / @tomwayson

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

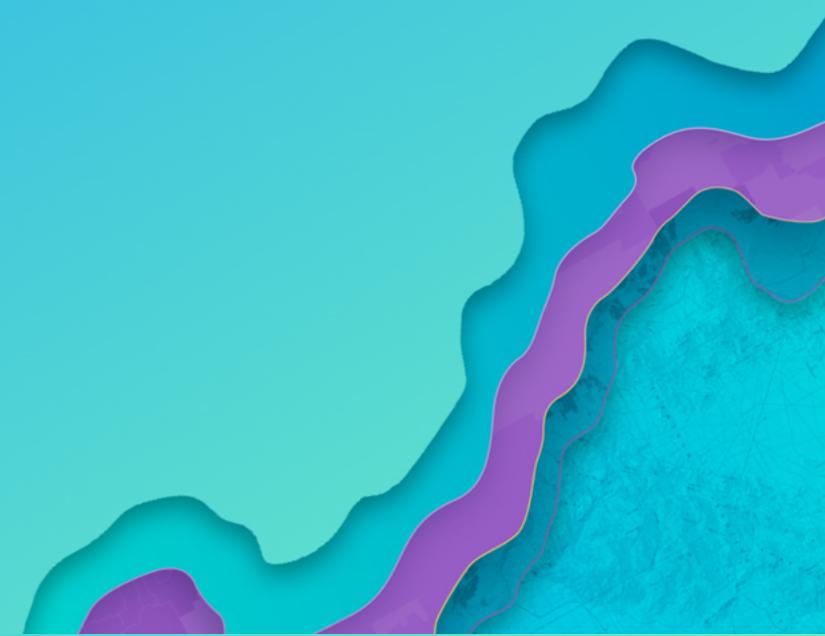


what the heck is a *Hub-ready app*?

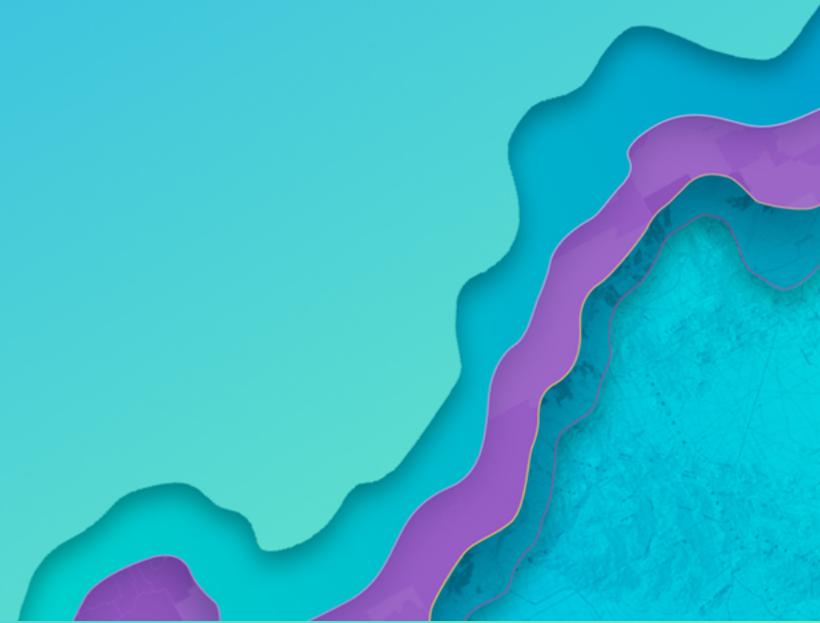
# Demo - Economic Development



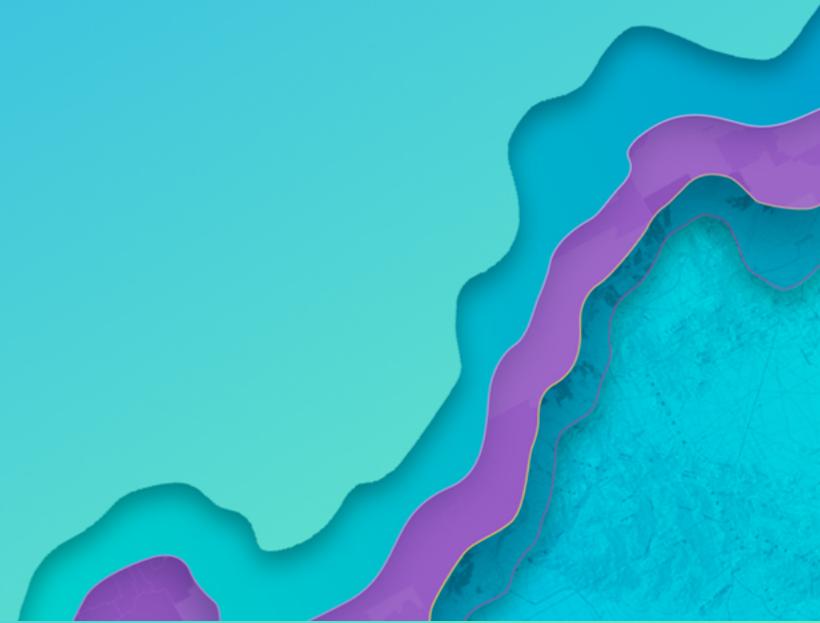
configurable / indicator aware



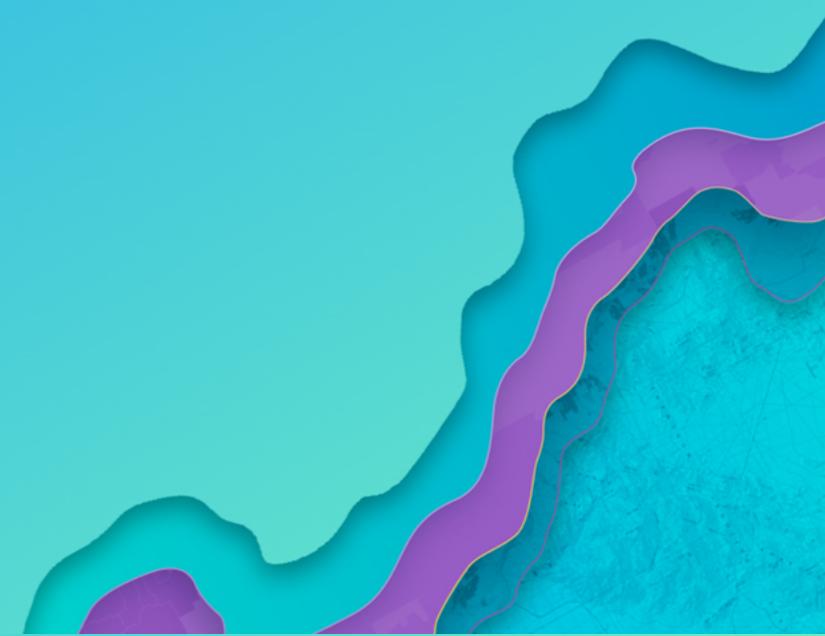
# Demo: Collision Lens



adlib to the rescue

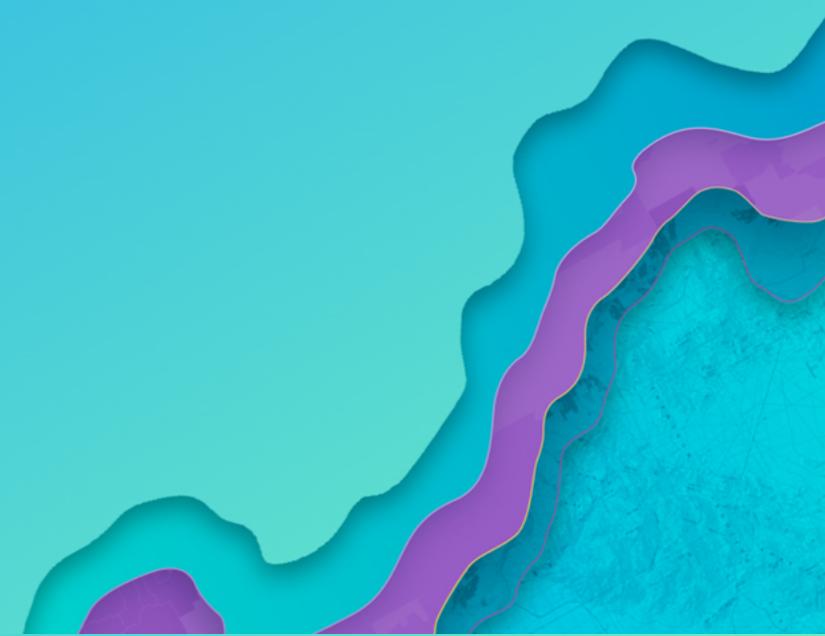


# Configurable App Spec

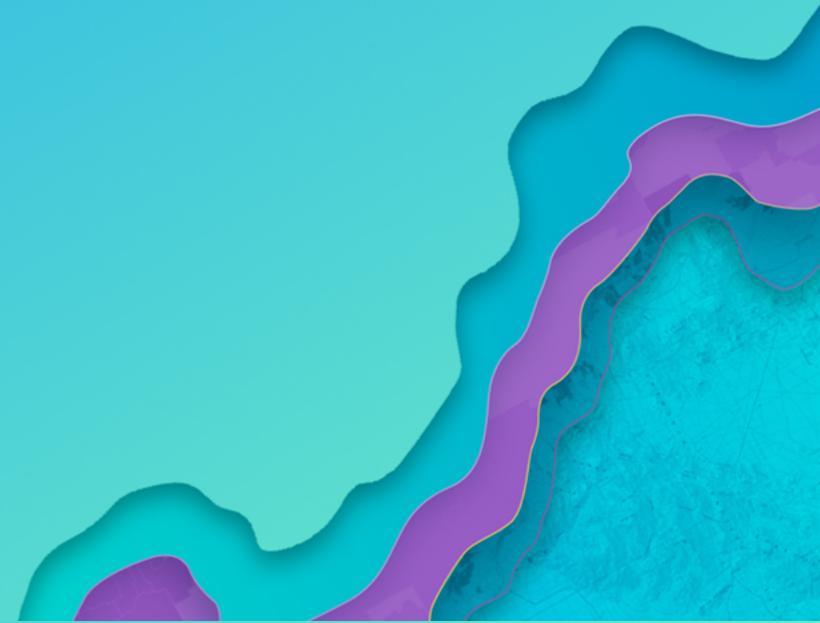


# ArcGIS Identity

use OAuth2!



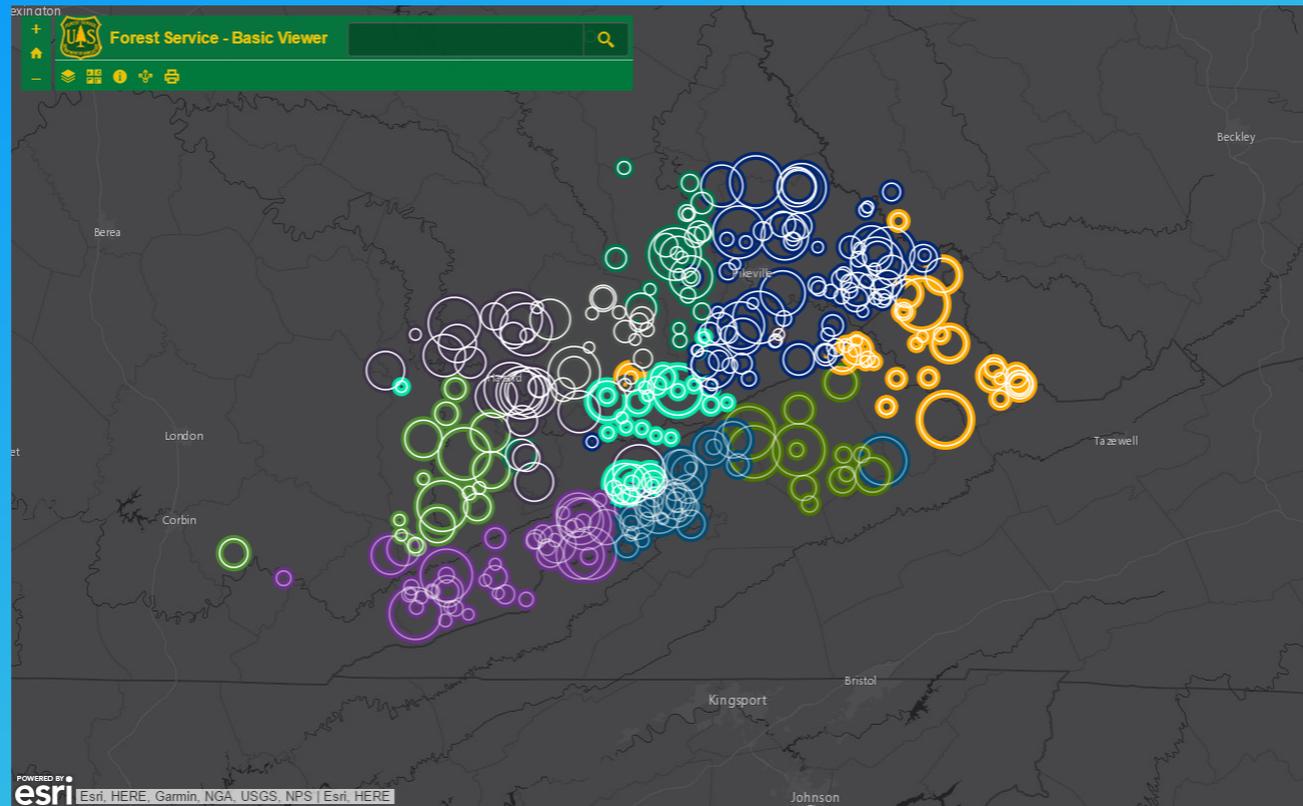
Demo





# 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 shows a side-by-side view of the SharePoint Site Editor interface. On the left is the 'Admin' sidebar with the 'Theme Builder' section expanded, showing various color settings for the theme. On the right is a live preview of the theme applied to a page.

**Admin Sidebar - Theme Builder Settings:**

- Header Background Color: #1c66a6
- Header Text Color: #ffffff
- Body Background Color: #f8f8f8
- Body Text Color: #4c4c4c
- Body Link Color: #136fbf
- Button Background Color: #ffffff

**Live Preview - Public Engagement Theme:**

- Page Title: Public Engagement
- Subtitle: For Smarter Communities
- Header Image: Night cityscape
- Main Content: platform for exploring and downloading open data, discover local issues. You can analyze and combine Open Datasets using... Let's make our great community even better, together!
- Section Header: Find Data
- Search Input: Search for Data
- Footer: 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?



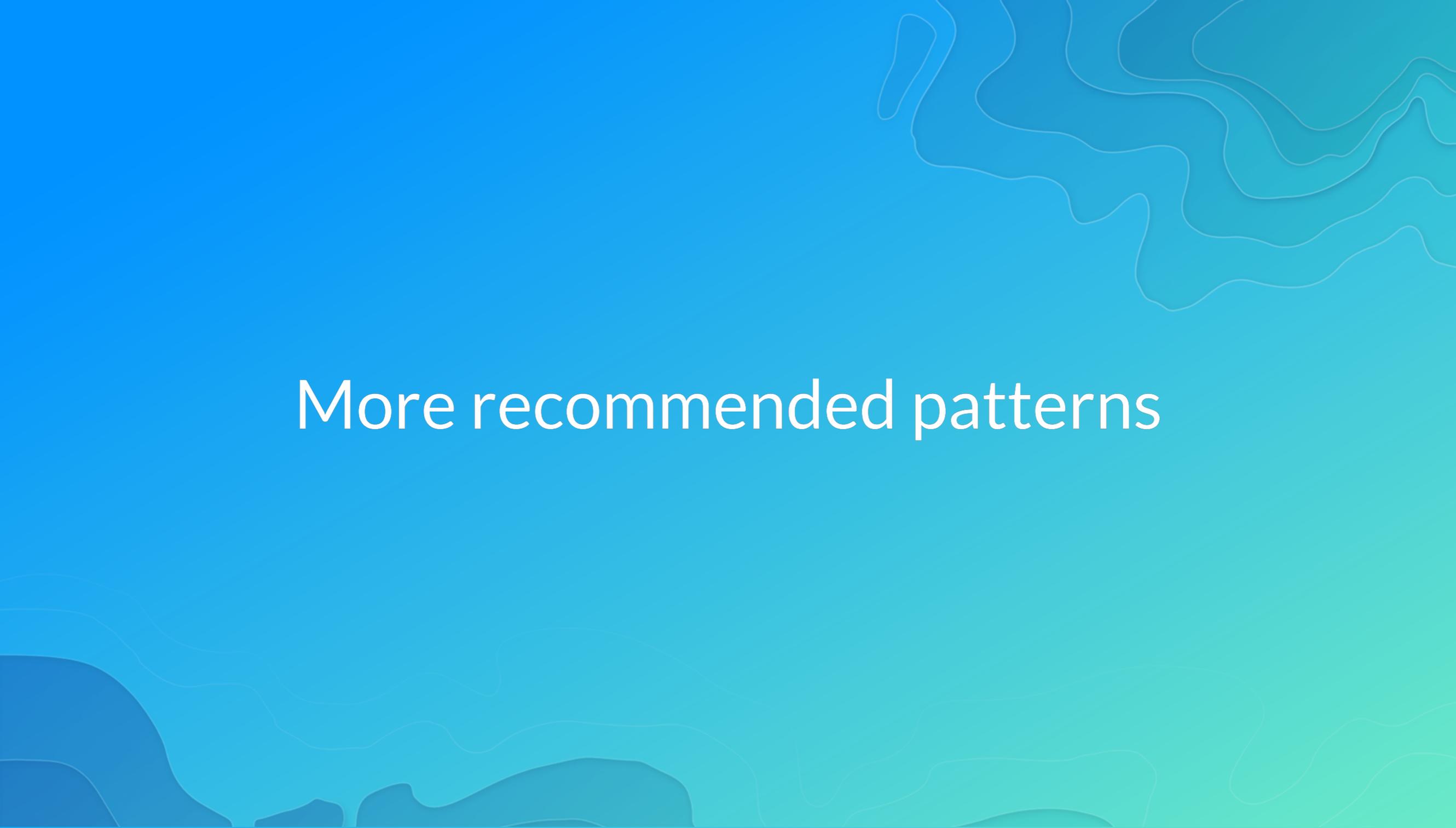
Use something like `maps-app-javascript`

# Progressive Web Apps

Reliable (*some* offline)

Fast (service worker to cache content)

Engaging (install on homescreen)



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

DC Water Service Information

303 11TH STREET NE, WASHI...

More Information

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](#)

esri | DCGIS, M-NCPPC, VITA, Esri, HERE, DeLorme, INCREMENT P, Intermap, US...

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*