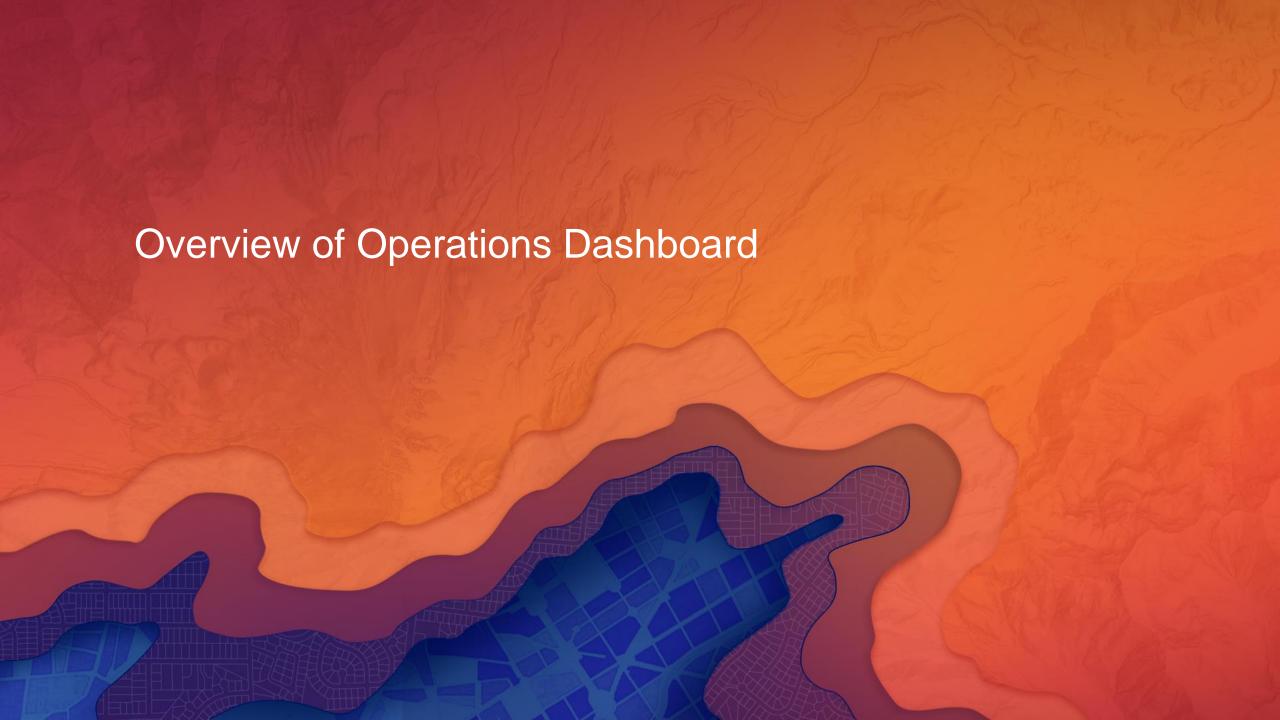


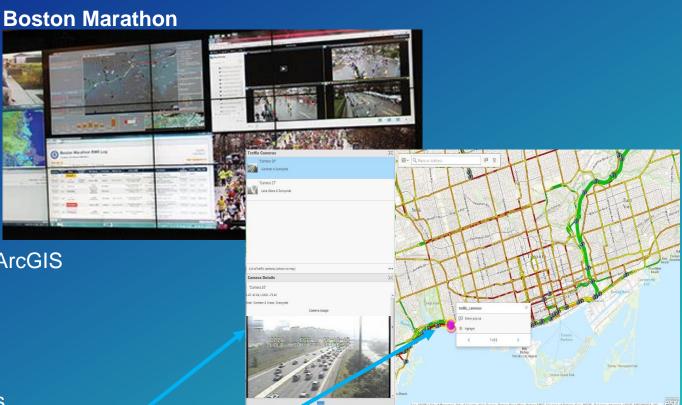
Agenda

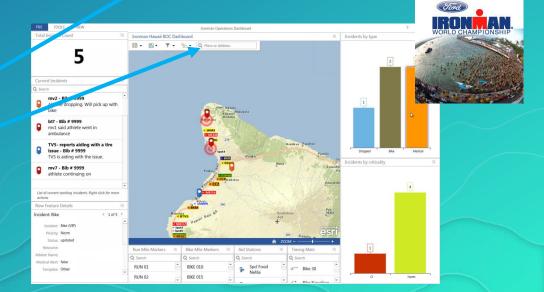
- Overview of Operations Dashboard
- Extend Operation Views
- Demos
- Deploy Extensions
- Roadmap
- Takeaways
- Q&A

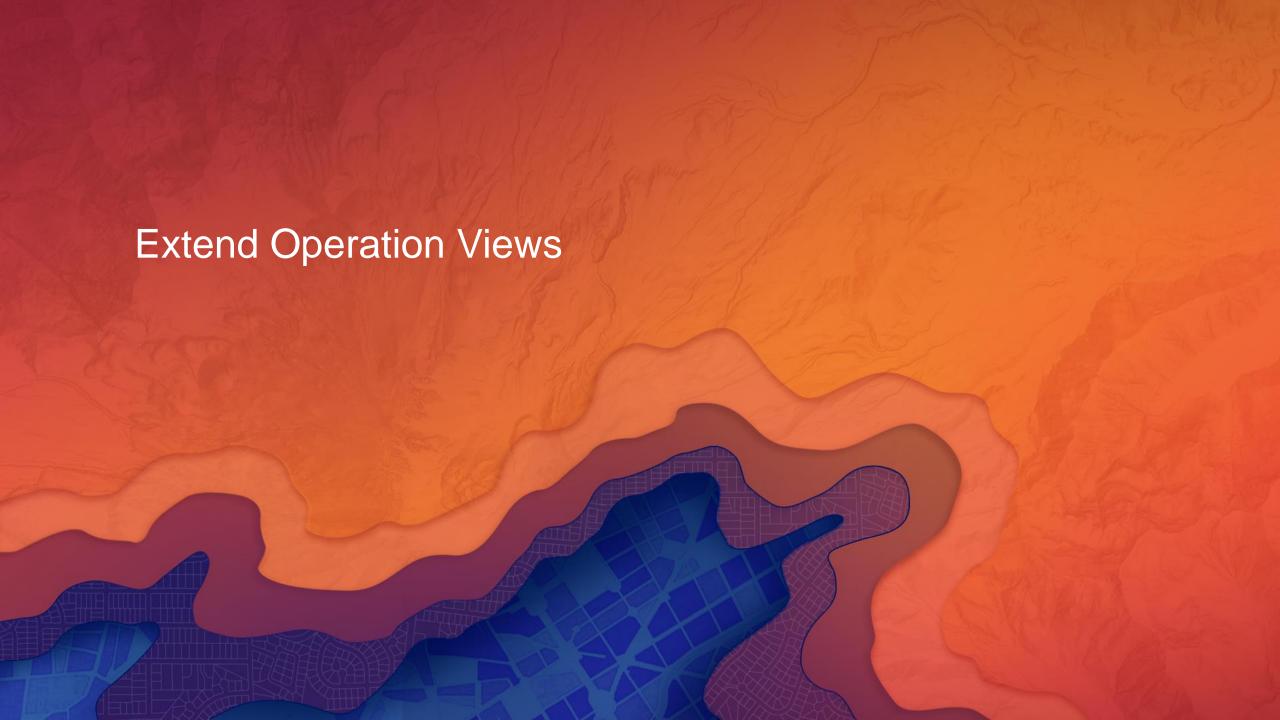


Operations Dashboard

- Monitor and manage operations
 - Monitor real-time events
 - Visualize key performance indicators
 - Free download from ArcGIS Online/Portal for ArcGIS
 - Run on Windows and browser platforms
- Operation views
 - Publishers build and configure operation views
 - Users interact with operation view components
- Components of an operation view
 - Widgets information display (e.g. charts)
 - Feature actions feature interaction (e.g. highlight)
 - Map Tools map interaction (e.g. bookmarks)
 - Components are configurable



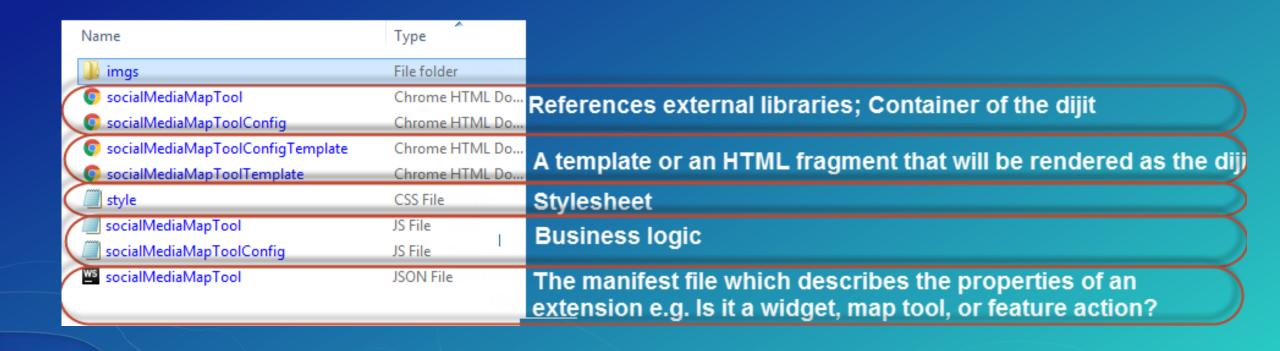


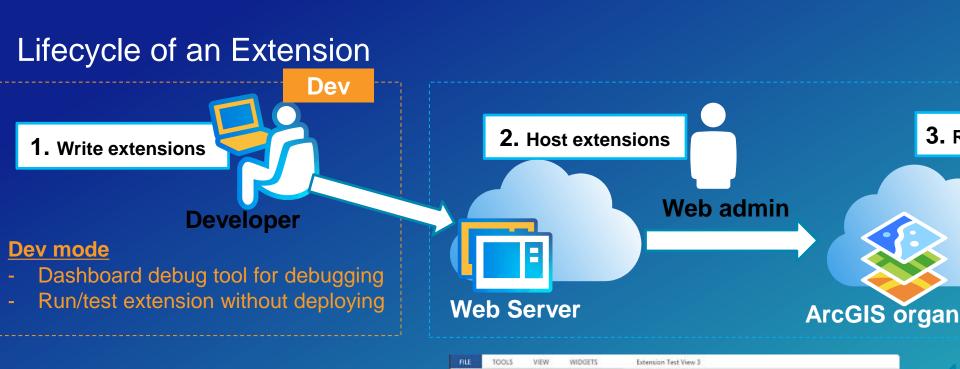


What's an extension?

- Can be a widget, a map tool, or a feature action
- A web app hosted on your web server
- Build with the 3.x ArcGIS API for JavaScript
- Can be configurable
- Run on Windows and browser platforms
- Examples:
 - Attribute table widget
 - Bomb threat buffer map tool
 - Print attributes feature action

What's an extension? (cont'd)





(H) (H)

Emergency Facilities

objectid

92020

92021

92023 92024

Redlands Emergency Facilities has 14

facname

Academy Beaver Medical Group Urgent Care Redlands Adventist Academy

Redland Fire Dept.

Redlands High

Redlands Police Redlands Mall

Arrowhead Christian

Redlands Animal

Redlands Earthquake Response

0

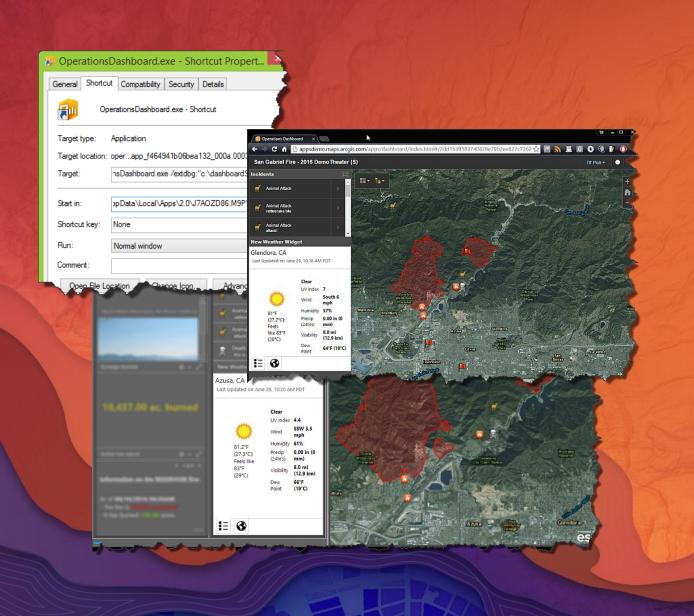
3

0 -

3. Register extensions **Org admin ArcGIS organization** Done 4. Configure extensions **Publisher**

Deploy



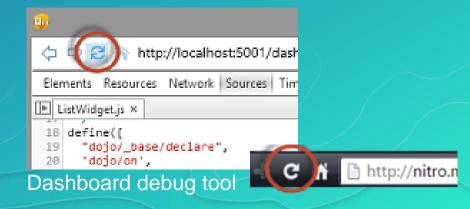


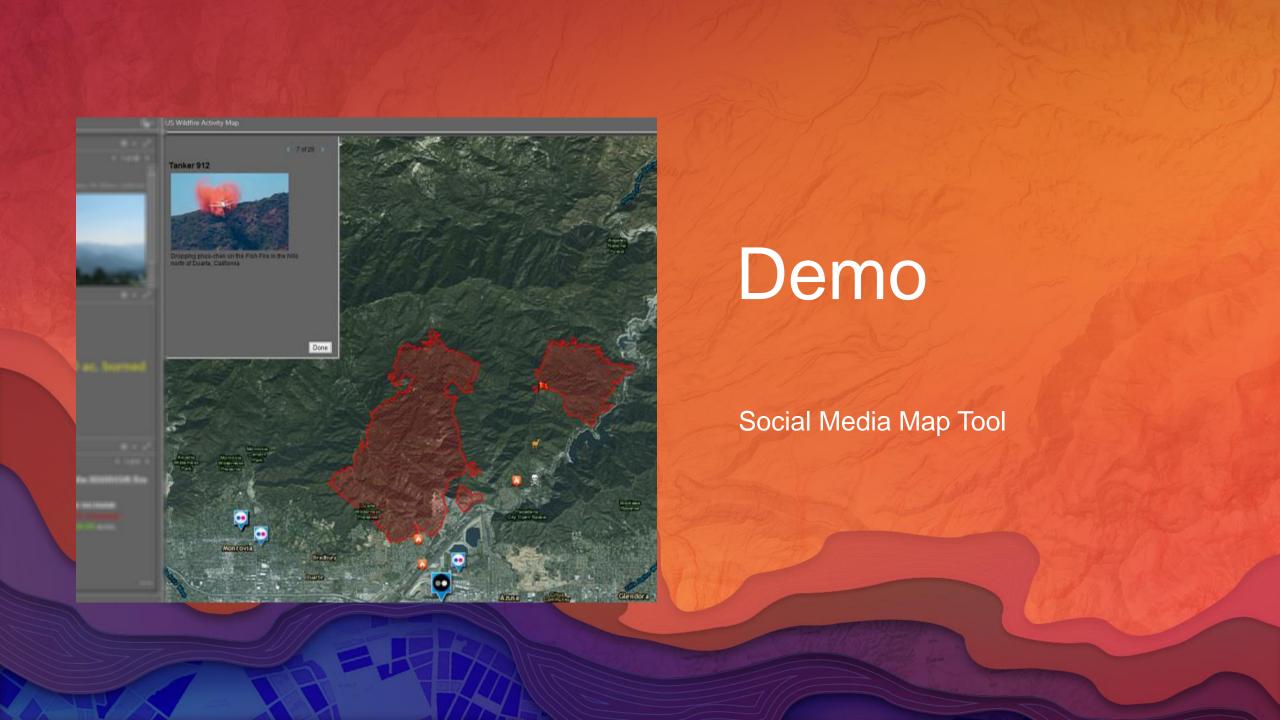
Demo

Operations Dashboard Dev Mode Weather widget

Recap

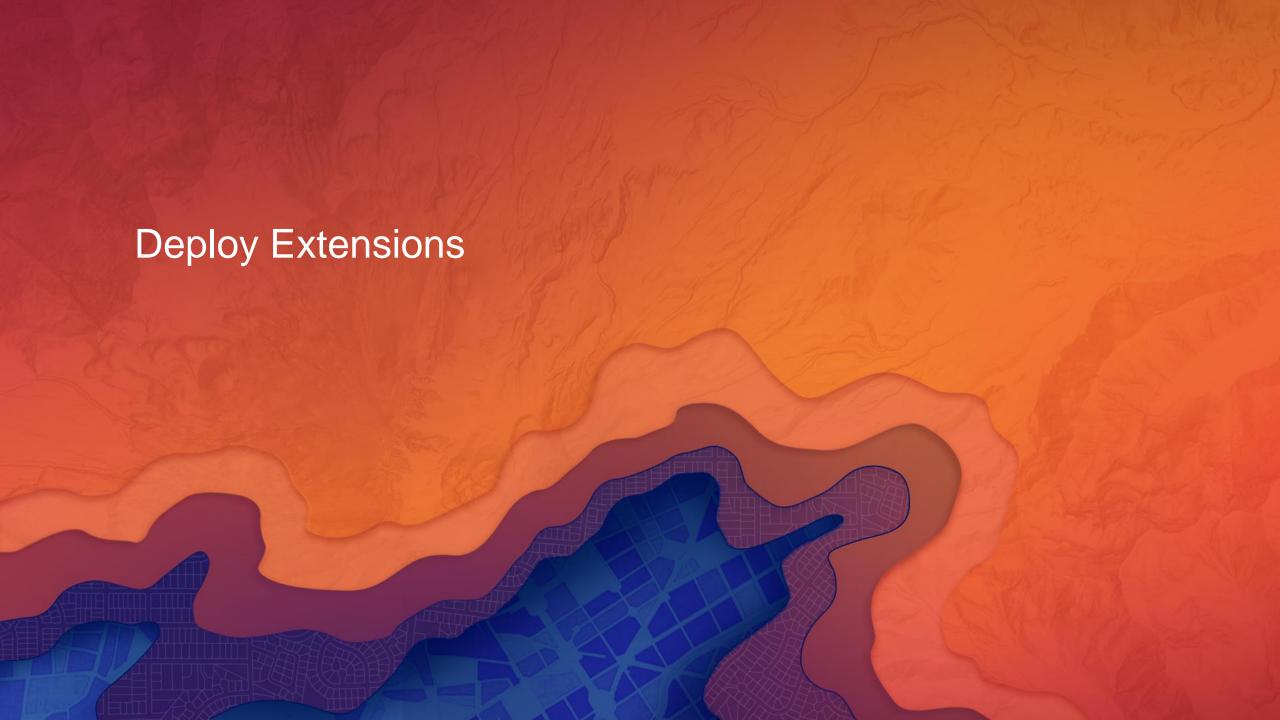
- Three types of extensions: widget, feature action, map tool
- An extension consists of a manifest, an HTML5 file, and optionally JS and CSS files and other resources
- Manifest captures properties that drive the behavior of an extension
- Use the dev tool for debugging without the need of a web server
- Make changes to an extension during dev mode?
 - HTML/JS/CSS files: Just hit the refresh button
 - Manifest: Restart the Windows app/refresh the browser app

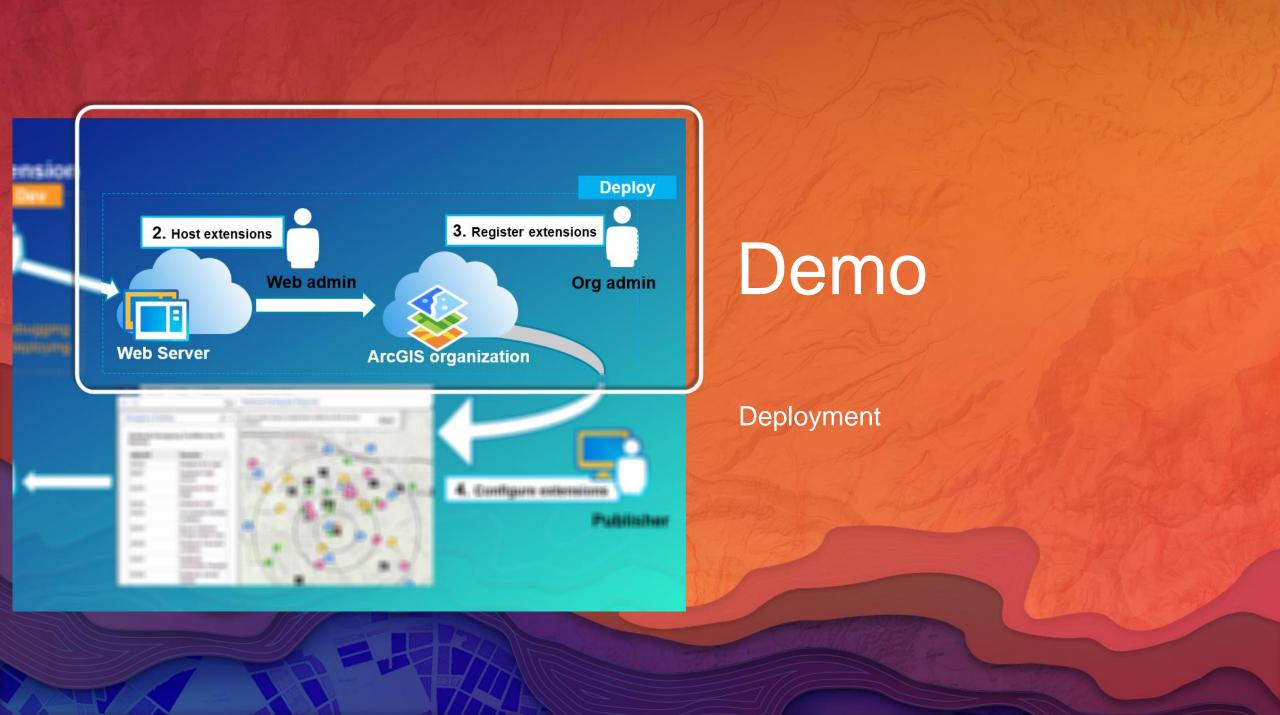




Recap

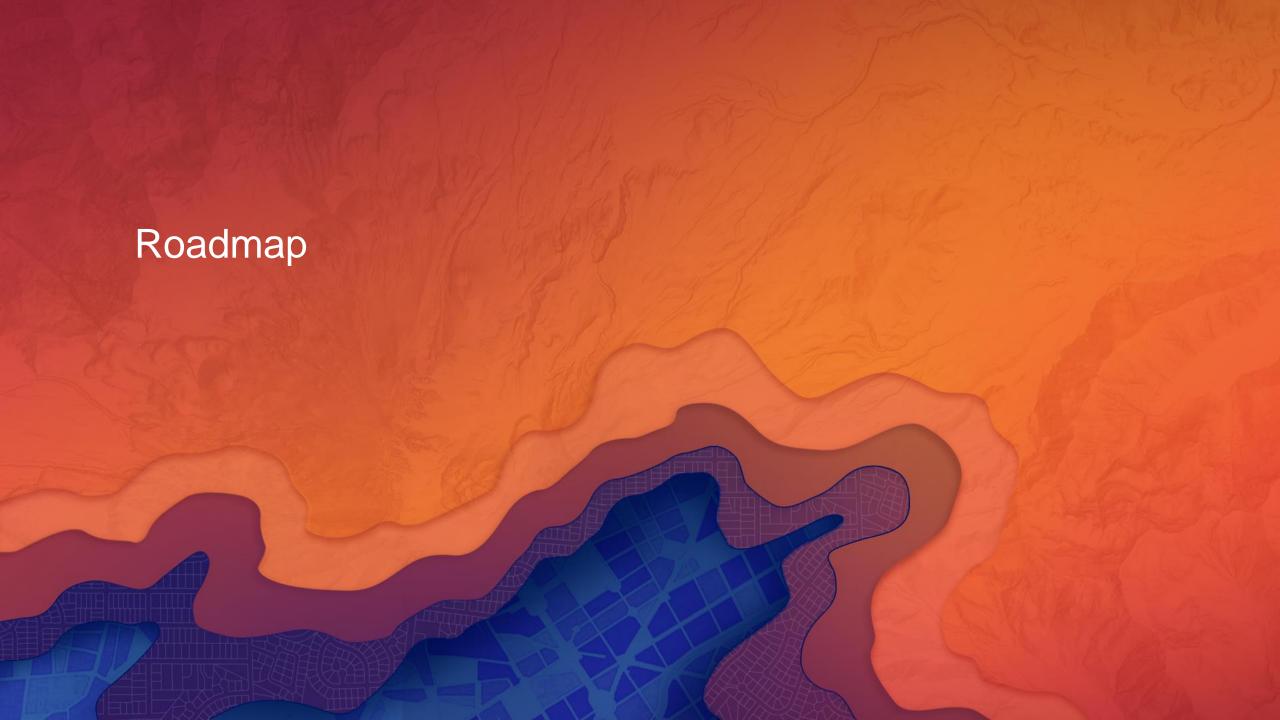
- Three types of extensions: widget, feature action, map tool
- Extensions can be configurable
 - Provide a UI and business logic to capture and validate configurations
 - Configurations are saved into the operation view





Deployment Recap

- Step 1: Host extensions on a web server
 - HTTPS/SSL + valid certificates
 - Enable CORS
 - Anonymously accessible for extensions registered in ArcGIS Online orgs
 - For 10.4+ Portal for ArcGIS, extensions can be hosted behind web adapter
 - (Typically c:\Program Files\ArcGIS\Portal\apps\dashboard\extensions; accessible via: https://portalDomain/webAdapter/apps/dashboard/extensions/myExtension.json)
- Step 2: Register extensions to ArcGIS org
 - Must be performed by the org admin
 - References the extension's URL http://myDomain/myExtension.json
 - An Operations Dashboard Extension Item will be created
 - Important: Re-do this step if the manifest is modified
- Step 3: Share extensions with members in the org



Operations Dashboard | New Experience!

- Author in the browser
- Smart mapping, labeling support
- New layout with advanced capabilities
- More control over the look-and-feel
- Improved visualizations:
 - Better Color Support (Bar Chart)
 - Date-based Visualizations (Line Chart)
 - Facilitates Comparisons (Indicators/Bar Chart Series)
- Beta Release shortly after UC
- Sign up on Product Page Now! http://www.esri.com/products/dashboard



Roadmap

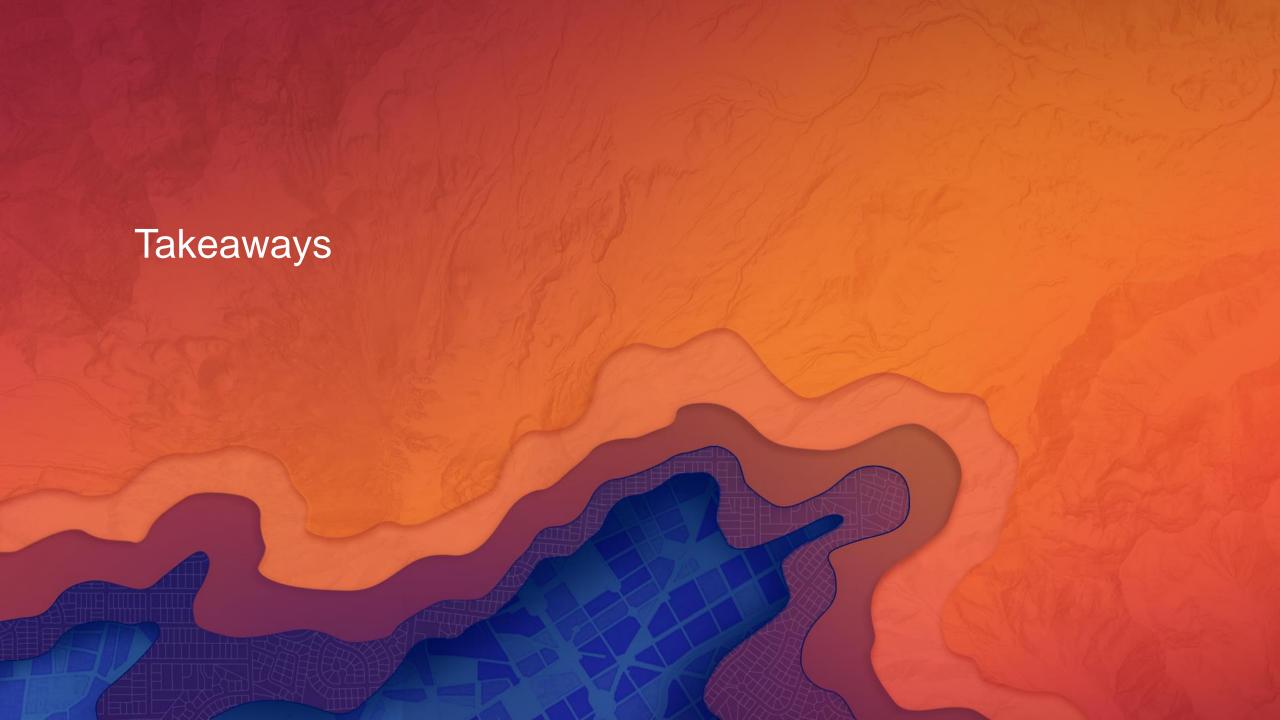
Windows Operations Dashboard

JavaScript extensions

Browser Operations Dashboard



2013 - 2016



Takeaways

- Operations Dashboard:
 - Monitor real-time events and key performance indicators
- Extensibility
 - Extensible points: Widgets, map tools, feature actions
 - Extensions are web apps developed using the 3.x ArcGIS API for JavaScript
 - Use the Dashboard debug tool to test and debug extensions
 - Extensions work on both Windows and browser platforms
 - An extension consists of a manifest, HTML5 files, JS files etc.
 - Can be used with ArcGIS Online orgs or 10.4+ Portal for ArcGIS orgs

Want to Learn More?

- Tutorials + API doc
 - https://developers.arcgis.com/javascript/jshelp/operations-dashboard-extensibility-overview.html
- Samples
 - https://github.com/Esri/dashboard-samples
- Learn more about the app
 - ArcGIS book: http://learn.arcgis.com/en/arcgis-book/chapter9/
 - ArcGIS blog: https://blogs.esri.com/esri/arcgis/tag/operations-dashboard/
- Stay in touch
 - Dashboard4ArcGIS@esri.com
 - GeoNet: https://geonet.esri.com/community/gis/applications/operations-dashboard-for-arcgis

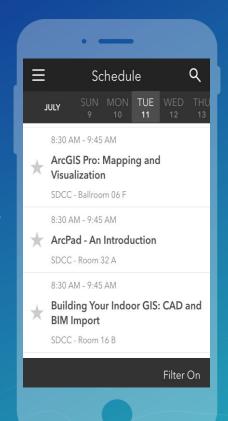


Please Take Our Survey on the Esri Events App!

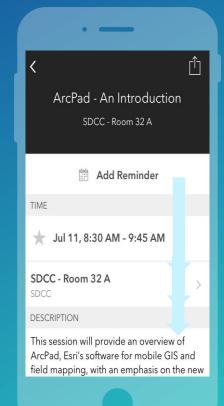
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

