

Operations Dashboard for ArcGIS

Kerri Rasmussen
Kasmussen@esri.com
Solution Engineer
Esri

Operations Dashboard for ArcGIS

Supporting Decision Making at a Glance



Monitor real-time operations and assets

Key data indicators

Configurable, Flexible



Many Use Cases



Built-in functionality

- Ready to use data visualizations
 - Map, Legend
 - Serial chart, Pie chart
 - Indicator, Gauge
 - List, Details
 - Embedded content, Rich text

- Various tools and interactivity options
 - Tools that interact with the map (e.g. layer visibility, bookmarks, search)
 - Dashboard elements configured to communicate with each other (e.g. cross filter)

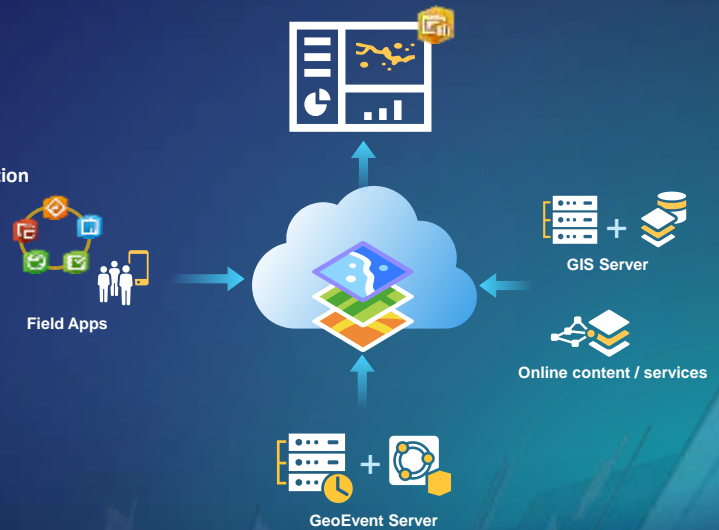


Dashboards bring data together

- ArcGIS platform:

- Real-time data
 - Coordination of work across an organization
 - Sensor data, social media, GPS locations, etc.
- Other data
 - GIS Server
 - Online content and services

- Dashboards present the data in intuitive/compelling ways



Patterns of use

- **Monitor and manage operations/assets**
 - IoT (e.g. sensor feeds)
 - Provide common operational picture
- **Event Management**
 - Situational awareness, emergency management
 - Visualize assets, personnel, activities, weather
- **Summaries/Performance**
 - Visualize and compare
 - Guided data insights
- Many, many others ...



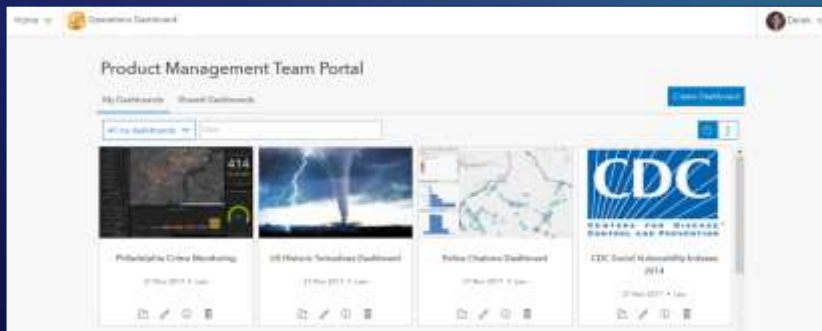
Dashboards

- Can be broadly categorized into 2 general types
 1. **Interactive** → End user interacts with the dashboard to obtain more info
 - Can apply actions and selectors for an interactive UE
 - E.g., Click one element, affects changes in other element(s)
 2. **Unattended display** → Designed to provide updates, no interactivity with end user
 - Typically consume data sources that update, elements would reflect updates
 - E.g., Real-time data, IoT



Dashboard Home Page

- Create and manage dashboard items
 - View and edit
- Search and sort dashboards in your organization



Dashboard Item

- Brings data together in a single display
 - Determines how content is displayed in app
- Composed of elements
 - E.g., map, list, chart, etc.
- Works with many ArcGIS data sources
 - Online content and web services
 - Field collection data
 - Sensor data, social media, GPS locations, etc.
 - Real-time data
- Creator user type and above to author



* Operation views cannot be upgraded to a dashboard

Type of Dashboard Elements

- Header
- Left Panel
- Map and Map Legend
- Serial chart
- Pie chart
- Indicator
- Gauge
- List
- Details
- Rich text
- Embedded Content



Dashboard Interactivity

- Enables “deeper dive” with dashboard data
 - Engage end users with a user experience
- Dashboard elements can be associated with one another
- Interact with one element, triggers a response in another element(s)



- Many different interactions possible, support different workflows

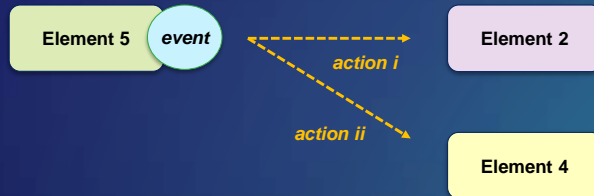
Dashboard Interactivity Example 1

- An event can trigger an action
- Ex: Select and highlight features in the map → serial chart is filtered to selection set



Dashboard Interactivity Example 2

- 1 event can trigger 1 or more actions
- Ex: Click a selector (in left panel) to filter data → list and gauge are filtered to selected feature



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