

# Operations Dashboard

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# Operations Dashboard for ArcGIS

- Platform's out-of-the-box web application focused on authoring and viewing dashboards
- Provides key insights to your data on a single screen
- ArcGIS Online
  - Included with your ArcGIS organization
  - Updated with ArcGIS Online (4x per year)
- ArcGIS Enterprise
  - 10.6.1 (and beyond): "in the box" (no installer)



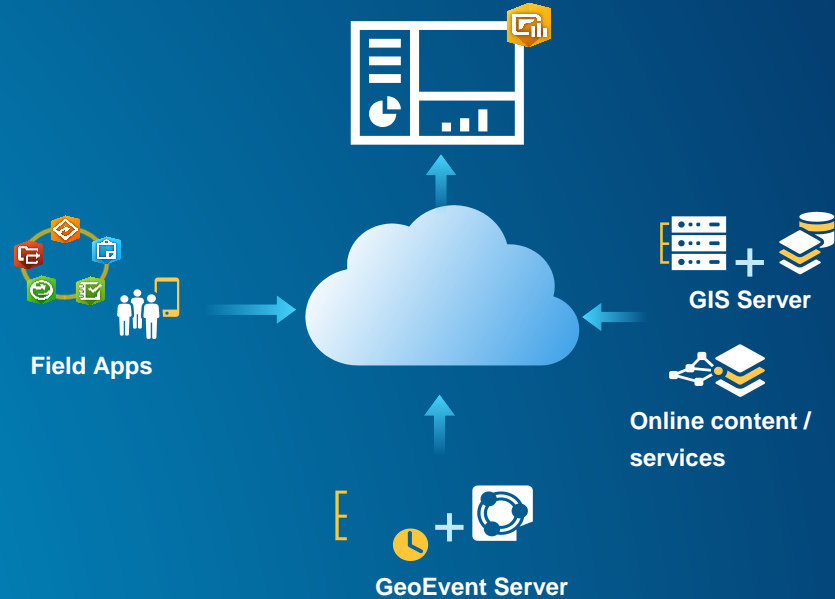
# Built-in functionality

- 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
- Event Management
- Visualize key performance

# Sample Dashboards

- ArcGIS Solutions: <https://arcg.is/2IYHzNP>
- Search ArcGIS Online

# Dashboard Design

- Know your audience:
  - What questions are they trying to answer
  - In what environments are they going to view the dashboard
- Express information clearly and accurately, without distraction
- Grab attention to where it is needed

# Map and Data Preparation

- **Scale-dependent symbology**
- **Pop-up configuration**
- **Labels + Arcade expressions**
- **Exclude irrelevant data**
- **Set appropriate refresh interval**
- **Style to convey meaning**



# Layout, Elements and Colours

- **Keep your audience in mind**
- **Use groups and stacks**
- **Allow user to resize elements in runtime**
- **Keep mode of use in mind when selecting colours (e.g., light levels)**

# Charts

- **Number of categories kept to a minimum**
- **Colour choices to blend or contrast with basemap**
- **Inner radius and label offsets**
- **Choose appropriate chart type – bar, line, area, pie, donut**
- **Number formatting**
- **Unit prefixes**

# Dashboard Team

- Dev team: [dashboard4arcgis@esri.com](mailto:dashboard4arcgis@esri.com)
- Direct: [sluken@esri.com](mailto:sluken@esri.com)
- ArcGIS Ideas <https://arcg.is/2tVpUe9>

# Resources

- Product Documentation: <https://arcg.is/2IVIC0R>
- GeoNet: <https://arcg.is/2zamYzd>
- ArcGIS Solutions: <https://arcg.is/2IYHzNP>
- Training webinar: <https://arcg.is/2np1xCl>
- Blog: <https://arcg.is/2ugxErp>  
**NEW!** Using Query Layers <https://arcg.is/2ytrzsl>
- Video: UC 2018 <https://arcg.is/2xIjVLD>

# Bonus Tip

How Did They Make that Dashboard?

- Blog article <https://arcg.is/2O7nnEK>
- Use ***new?id=*** to create a copy of a dashboard in your organization

<https://www.arcgis.com/apps/opsdashboard/index.html#new?id=itemId>

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