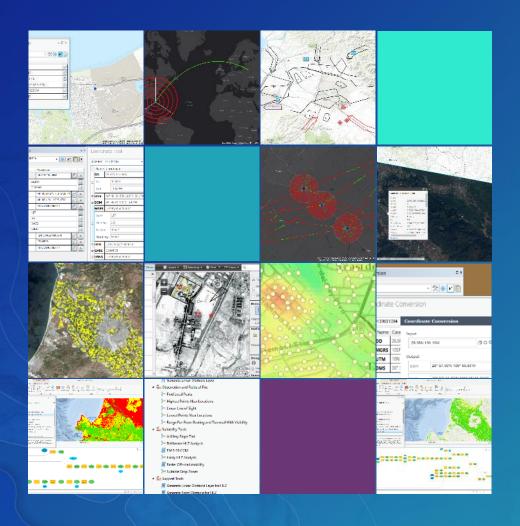


Defense Solutions

We support the Defense, Intelligence, and National Security industry



Fully documented and maintained

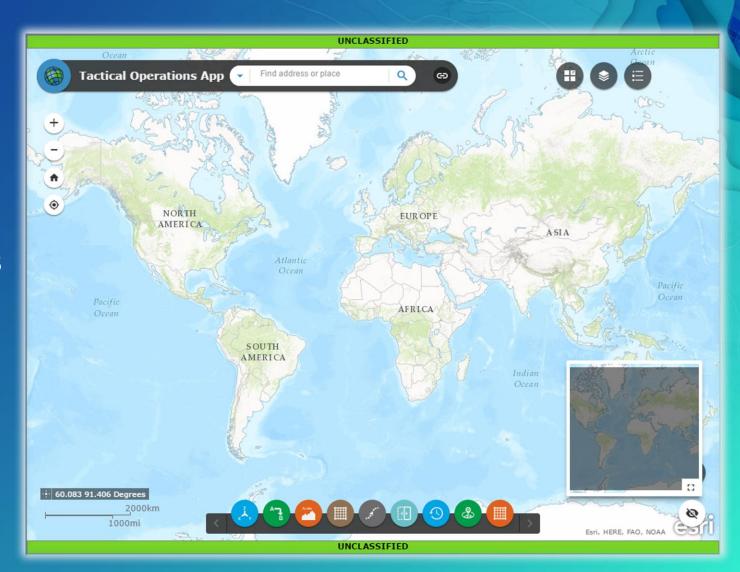
Fully supported

Open source

From Print Map to Web App

Digital Transformation for Tactical Operations

- ArcGIS Online
- ArcGIS Enterprise
- Web AppBuilder for ArcGIS
- Survey123 for ArcGIS
- Operations Dashboard For ArcGIS



Web Map – foundation for creating and sharing Web Applications

Bringing your data into ArcGIS Enterprise or ArcGIS Online

- A web map is the basis for creating these information products
 - Geographic context
 - Visualization with smart mapping
 - Interactive and exploratory
 - Shareable to your organization

Data Sources



ArcGIS Desktop Applications (Pro)



Server with **Geographic Data**



Table, spreadsheet, .csv

Share your Data







Map your Data in the Web



Arc**GIS**® Enterprise



Arc**GIS**[™] Online





Get Started with Sharing Populating your Organization with Data







Refine item details



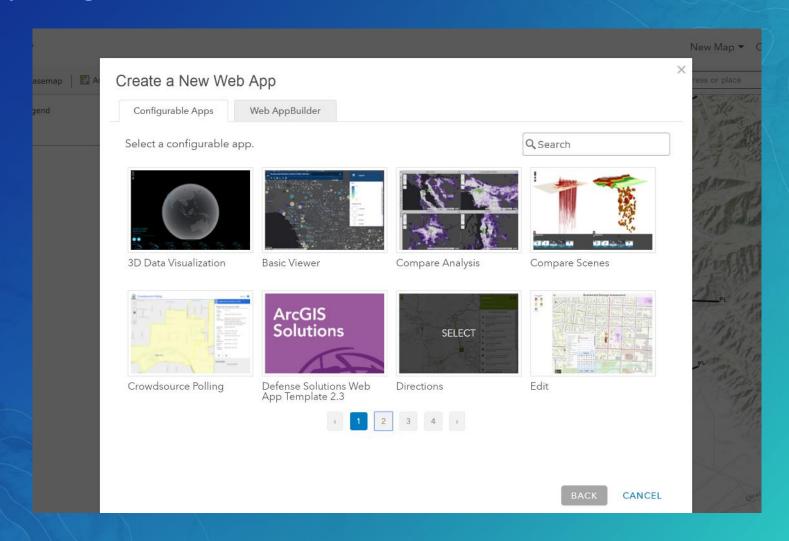
Choose audience



Share content

Web Map to Web Application with Configurable Apps

Apps available in your organization



Web Map to Web Application with Web AppBuilder for ArcGIS®

Assemble web applications – no coding required

- Widgets
- Themes
- Any Device

Web Maps

Web AppBuilder for ArcGIS®

Web Apps



Arc**GIS**® Enterprise



Arc**GIS**[™] Online













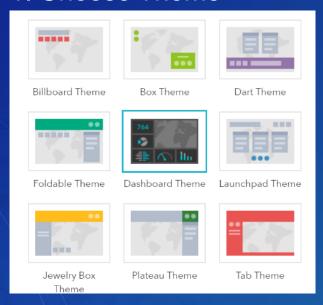




Building Apps

Decisions and Considerations

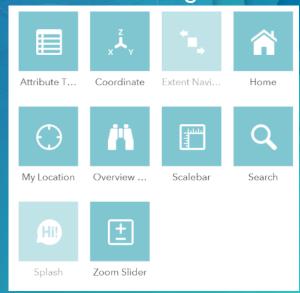
1. Choose Theme



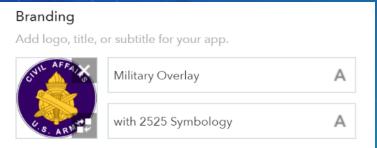
2. Choose Web Map



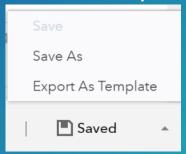
3. Choose Widgets



4. Choose Branding



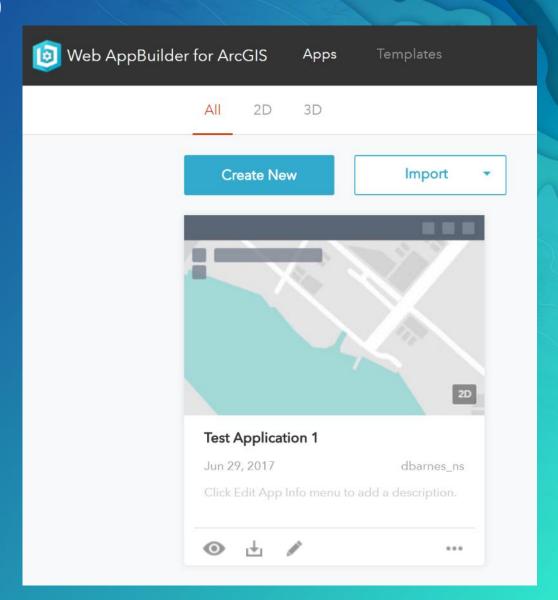
5. Save, Export as Template



Web AppBuilder (Developer Edition)

Extend Web AppBuilder

- Create custom themes
- Develop and incorporate custom widgets
- Run in a disconnected environment
- Download apps and deploy on web server





Defense Solutions Widgets

Available at:

- http://solutions.arcgis.com/shared/help/solutions-webappbuilder-widgets/
- http://solutions.arcgis.com/defense/help/military-tools/web-appbuilder/

Core widgets released at ArcGIS Online 5.2, ArcGIS Enterprise 10.5.1, and Web AppBuilder Dev Edition 2.5 (Summer 2017)

Core Widgets

Custom Supported Widgets Custom Non-Supported Widgets

Military Tools for ArcGIS

Coordinate Conversion

Distance and Direction

Visibility

Solutions Web AppBuilder Widgets

Grid Overlay

Gridded Reference Graphic

Critical Infrastructure/Key Resources Chart

Bomb Threat

Emergency Response Guidebook

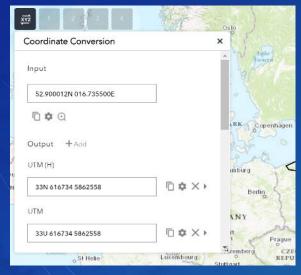
Elevation Profile

Image Discovery

Defense Solutions Widgets

Built for your workflows

Convert Coordinate Notation Formats



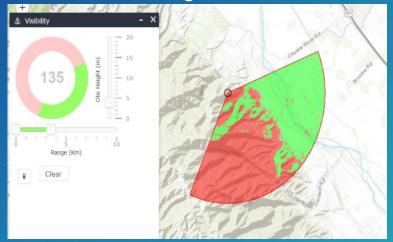


MGRS Grid

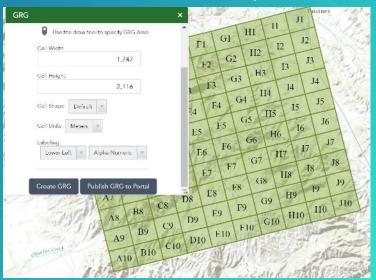


Line, Circle, Ellipse, Range Ring Graphics

Radial Line of Sight

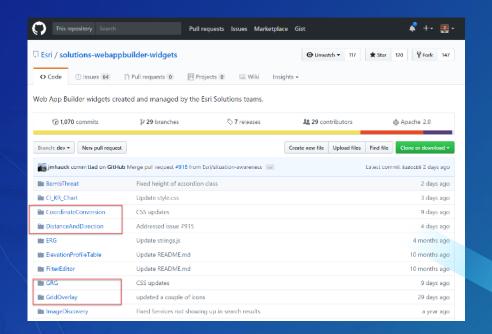


Gridded Reference Graphics



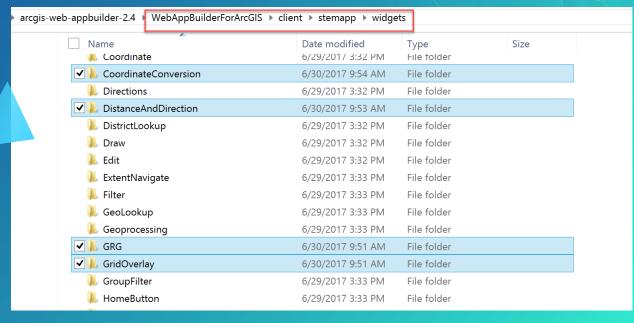
Getting Started with the Widgets

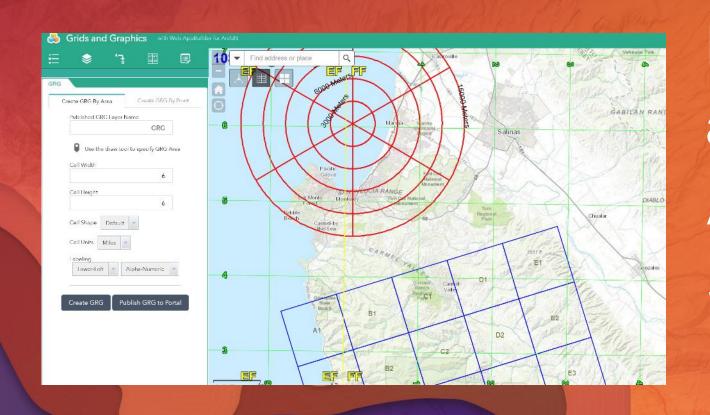
Copy widget folders from source to your instance of Web AppBuilder (Dev Edition)



At ArcGIS Enterprise 10.5.1, custom widgets can be added to hosted Web AppBuilder as a Portal item type

WebAppBuilderForArcGIS/client/stemapp/widgets





Building a Grids and Graphics Application

Incorporating Defense Solutions Widgets into Web AppBuilder (Developer Edition)



Civil Affairs

What problem were we trying to solve?

- Paper forms and maps in static process
- Not integrated, processes in parallel and disconnected
- No easy way to visualize common-op picture
- Web-first solution for military-civilian operations
- Keep same processes
- Automate collection and merge form results
- Visualize responses

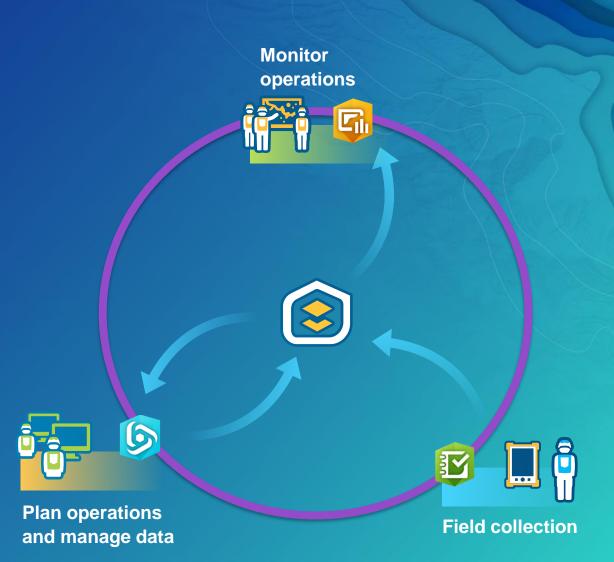


Civil Military Operations

Planning operations and managing information

Field collection

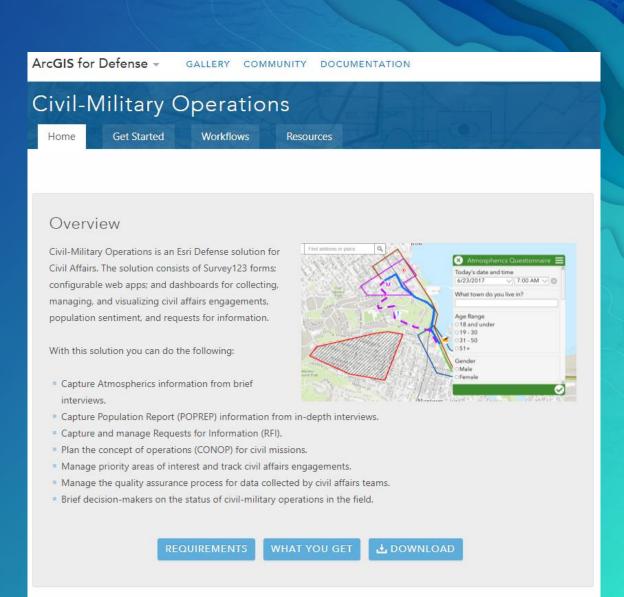
Monitor operations



Civil Military Operations

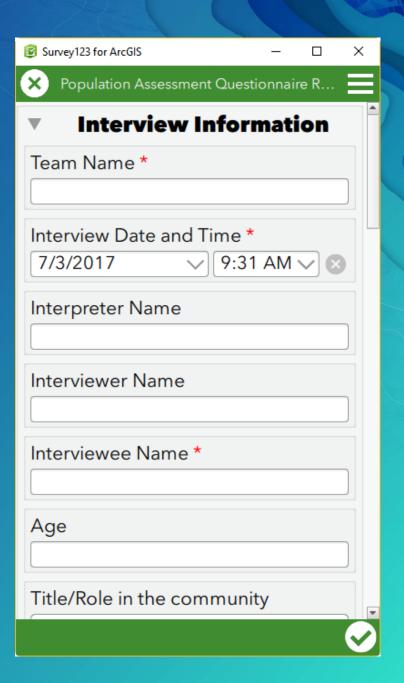
- Atmospherics Questionnaire
- Population Assessment Questionnaire Report (POPREP)
- Request for Information (RFI)
- Priority Areas of Interest and Operations
- Civil Mission Execution Planner
- Civil Military Operations Manager
- Civil Military Operations Dashboard

http://solutions.arcgis.com



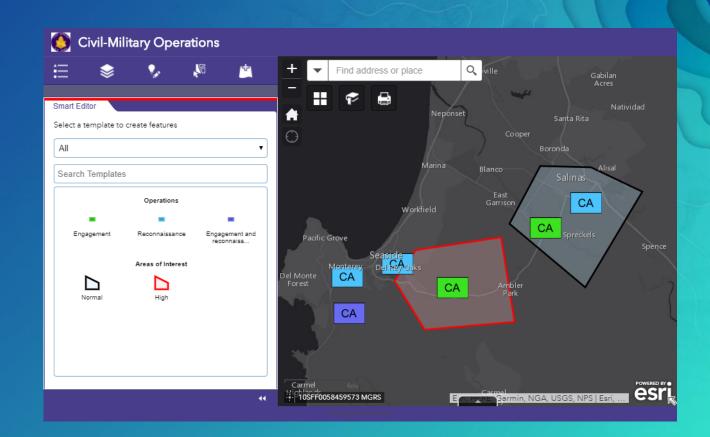
Civil Military Operations - Forms Using Survey123 for ArcGIS

- Field collection of survey and interview data
 - On mobile device, laptop, browser
- XLSForms-based smart forms
- Shared as form and feature service



Civil Military Operations - Apps Using Web AppBuilder

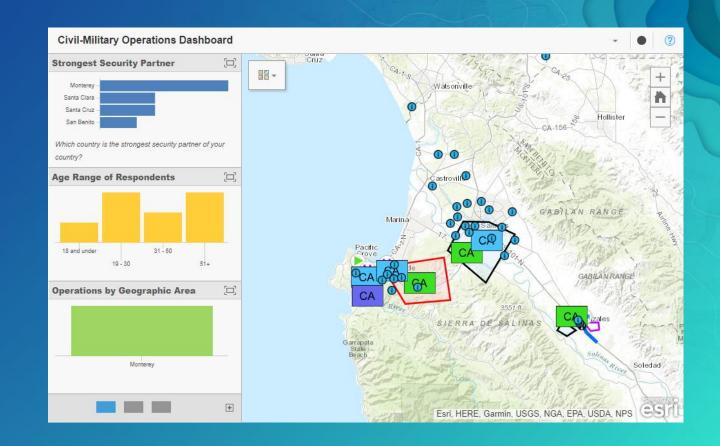
- Prioritize and plan operations
- Manage field collection
- Browser-based applications
- Use web maps and widgets with NO CODING

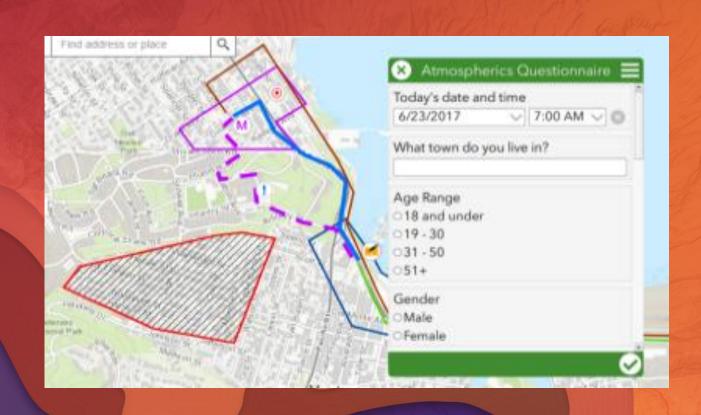


Civil Military Operations - Dashboard

Using Operations Dashboard

- Monitor field collection operations and results
- Desktop or browser based
- Interactive maps, charts, graphs, and lists to visualize dynamic information





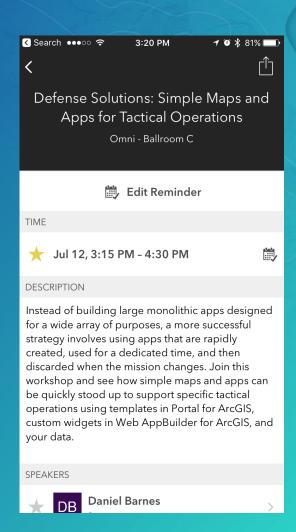
Civil Military Operations Demo

Matt Funk

Simple Maps and Apps for Tactical Operations

What we did today:

- Creating Web Maps
- Configuring apps with Web AppBuilder
- Defense Solutions widgets
- Civil Military Operations solution
 - Forms with Survey123 for ArcGIS
 - Apps with Web AppBuilder
 - Operations Dashboard for ArcGIS



Questions?

... and answers

- Find our solutions at: solutions.arcgis.com/#Defense
- Join our community: geonet.esri.com/groups/defense-andintelligence
- Survey for our workshop:
 Simple Maps and Apps for Tactical Operations

