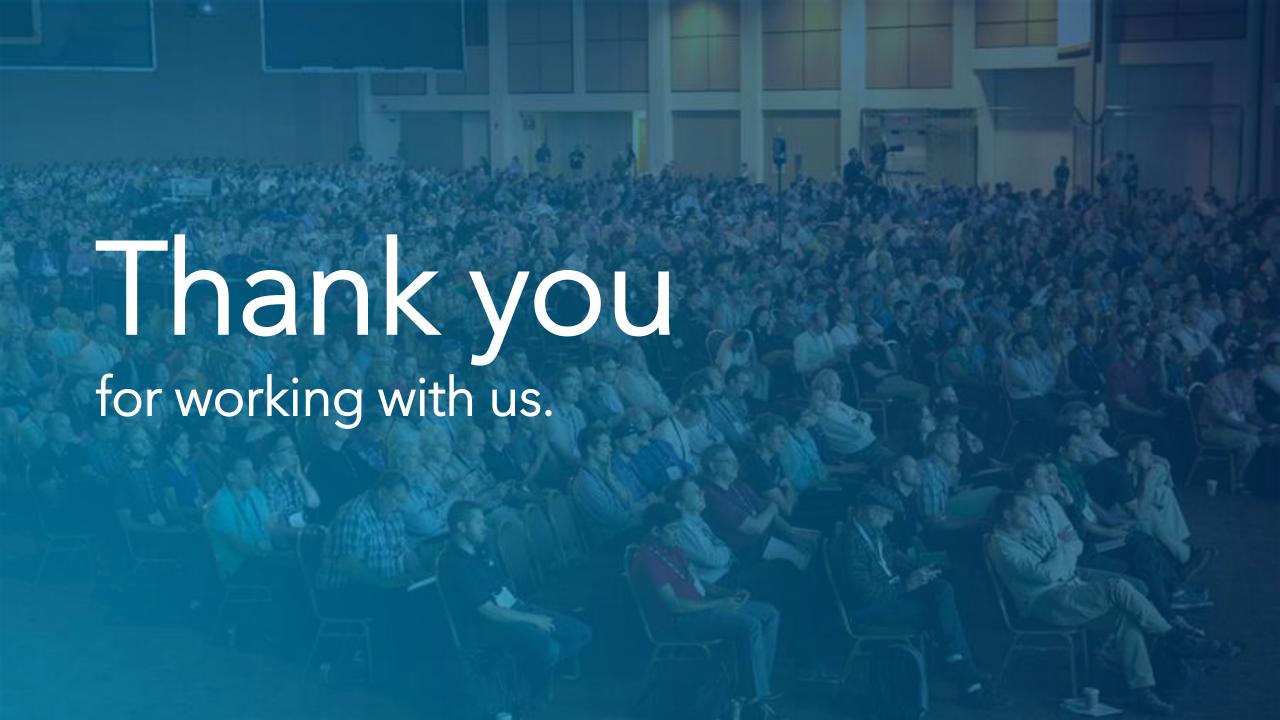


Building Apps and Add-Ins with the ArcGIS for Defense Solution

Gary Sheppard | Software Engineer | Esri

- garys-esri
- @garysheppardjr

2018 Esri Developer Summit D.C.



GIS is Becoming an Interconnected Platform

Opening, Integrating and Simplifying

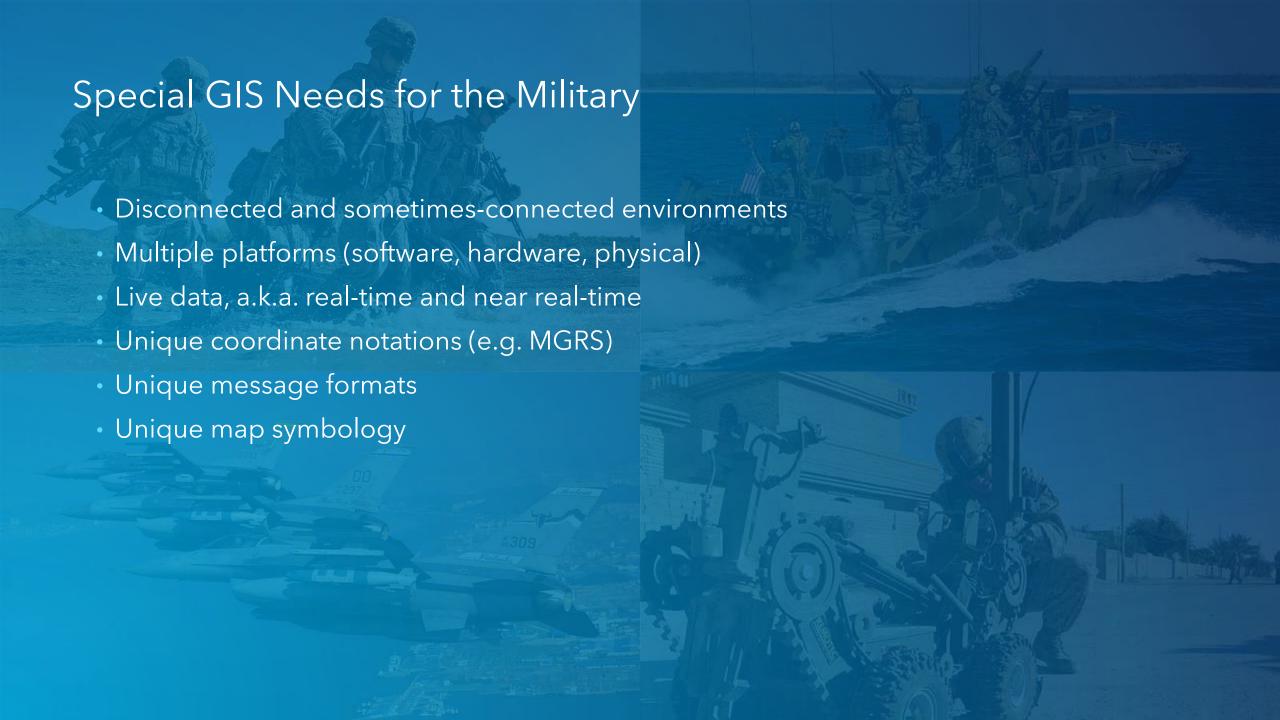
Desktop (Individual)

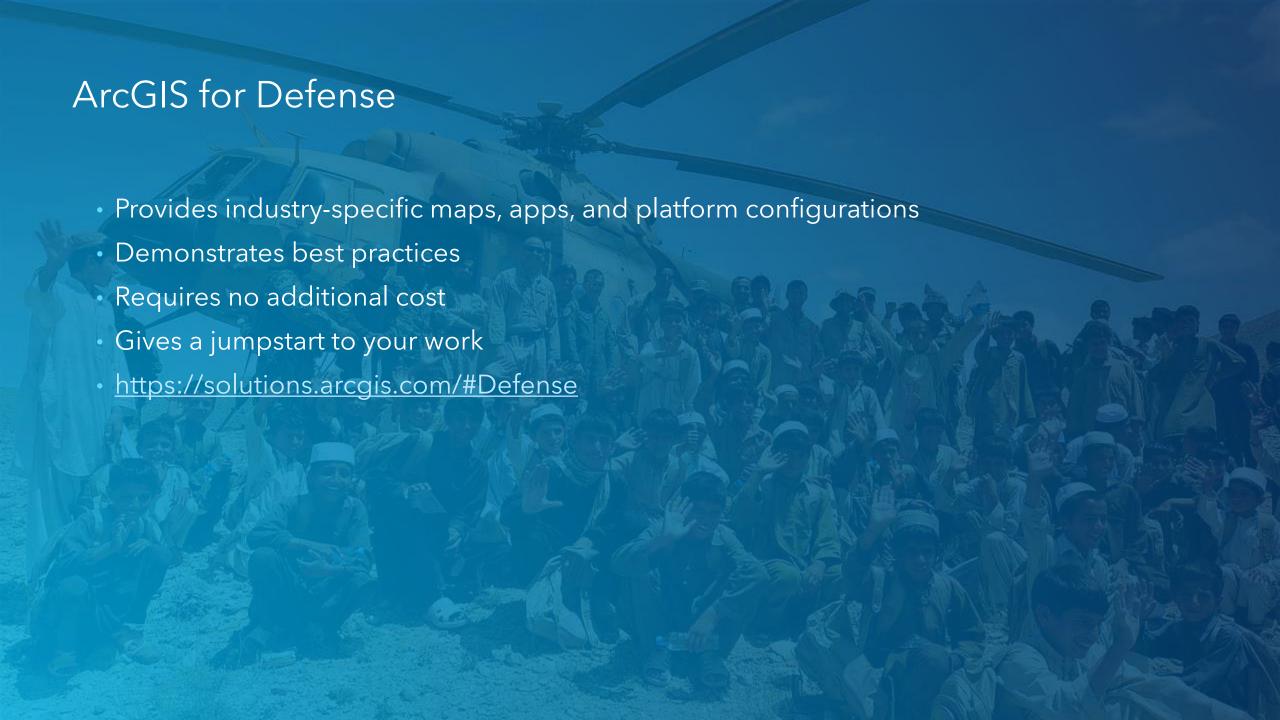


Creating an Open and Real-Time Network of Geospatial Services

Apps: Extending ArcGIS Capabilities Everywhere







Maps and Apps in ArcGIS for Defense





Beach Landing

Civil-Military Operations

Clearing Operations

Coordinate Conversion

Distance and Direction

Distance to Assets

Emergency Response Guide Widget



Military Aspects of Terrain

Military Aspects of Weather

Military Features

Military Overlay

Military Symbol Editor

Military Symbology Styles

Military Tools for ArcGIS

Sun Position Analysis



F - L

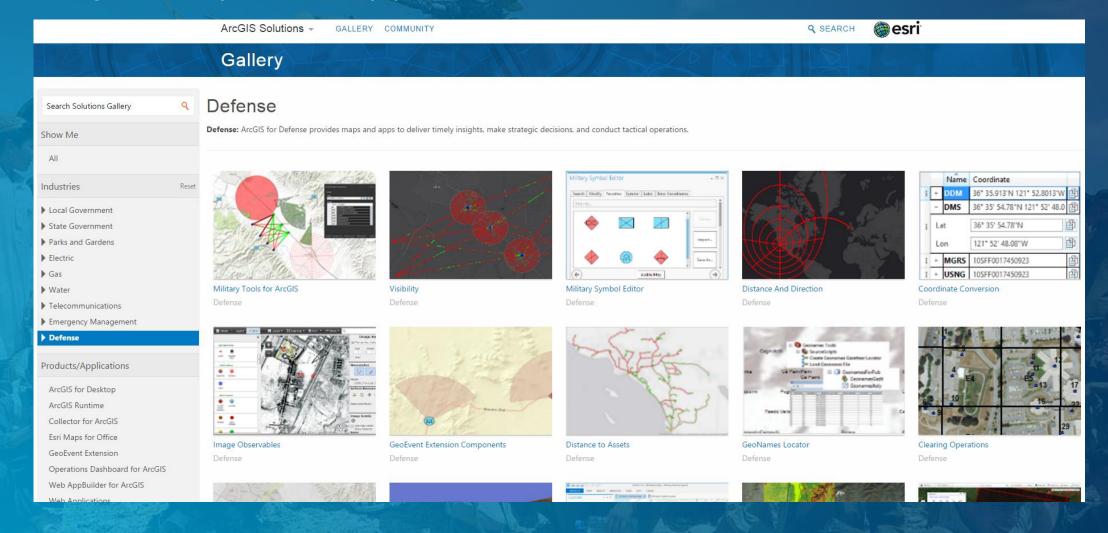
Geonames Locator Grid Overlay Widget Gridded Reference Graphic Image Change Detection Incident Analysis



1 T − Z

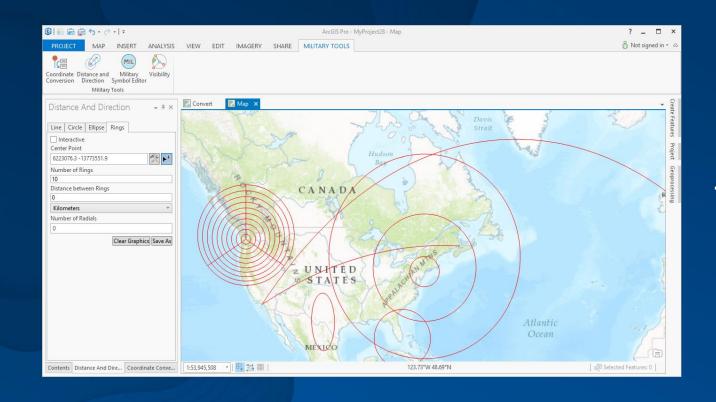
Time Span Analysis Visibility

Gallery of Maps and Apps



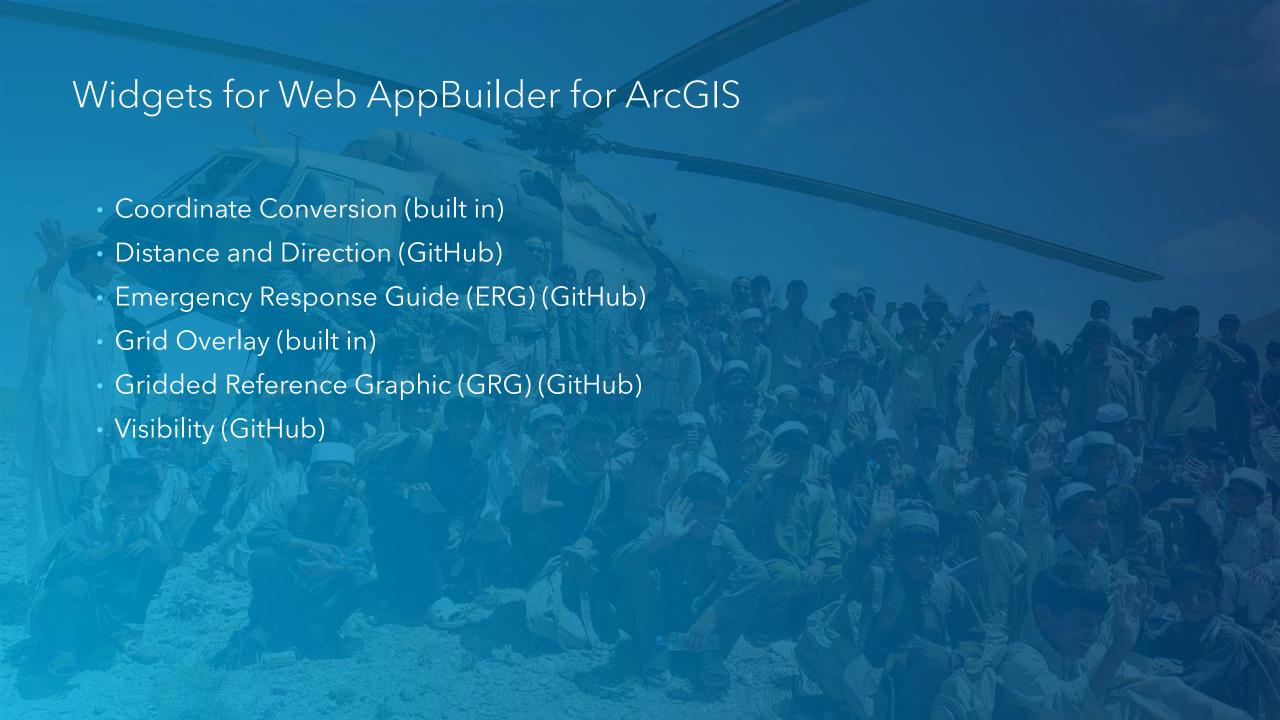


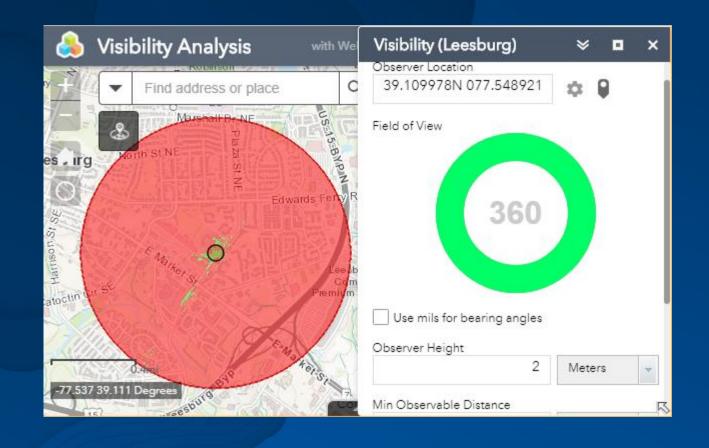
- Group of mission-focused enhancements
 - Coordinate Conversion
 - Distance and Direction
 - Military Symbol Editor
 - Visibility
- Groups these four into a single Visual Studio solution
- https://github.com/Esri/military-tools-desktop-addins



Military Tools for ArcGIS

https://github.com/Esri/militarytools-desktop-addins



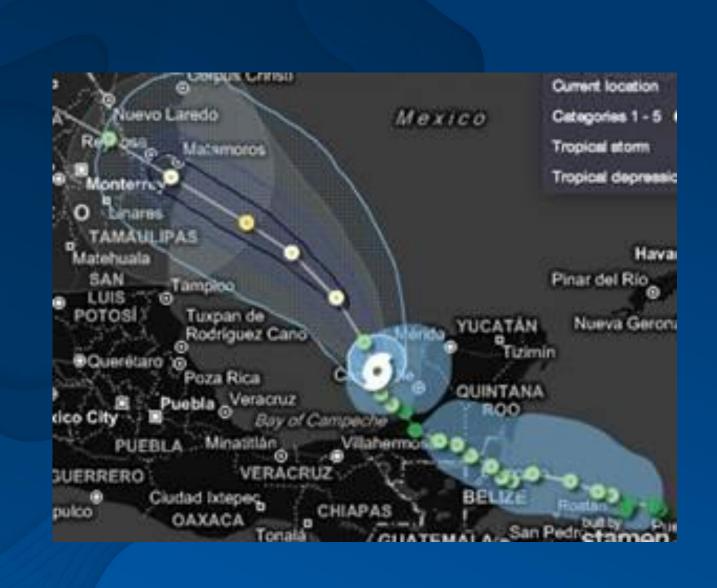


Visibility Widget for Web AppBuilder for ArcGIS

https://github.com/Esri/visibility-addin-dotnet

Extending ArcGIS GeoEvent Server for Defense Users

- GeoEvent Server
 - An extension for ArcGIS Enterprise, a.k.a. ArcGIS Server
 - Handles live data, including real-time data
 - Includes several adapters, transports, and processors
- GitHub repo
 - More adapters, transports, and processors (Java code)
 - Useful for defense users and others
 - Proofs of concept (no longer officially supported)



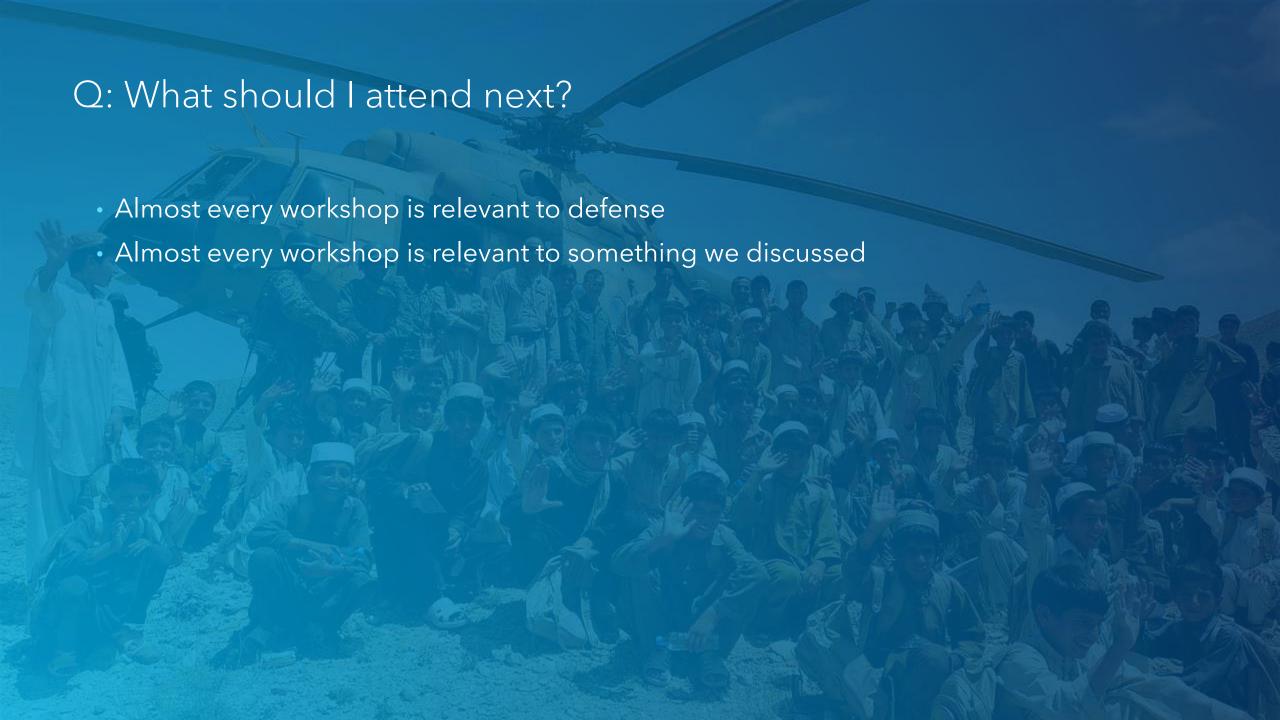
GeoEvent Server Components for Defense Users

https://github.com/Esri/defensesolutions-proofs-of-concept

Q: Does ArcGIS have any built-in military-specific functionality?

- Military symbology
 - ArcGIS Runtime
 - ArcGIS Pro
 - ArcGIS Enterprise (map services)
- MGRS coordinate and grid support
- Current work in the Washington, D.C. R&D Center
 - Imagery analysis on the web
 - Configurable home app for intel analysts
 - Client-side military symbology on the web (feature and stream services)
- Built in or not, nearly everything I showed you is supported software





Future Esri Events

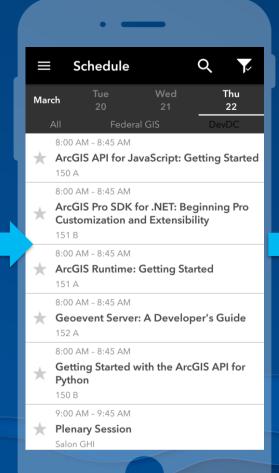
- Esri User Conference | July 9-13 | San Diego, California
- Esri Developer Summit | Winter or Spring 2019 | Palm Springs, California
- Esri Federal GIS Conference | Winter or Spring 2019 | Washington, D.C.
- Esri DevSummit DC | Winter or Spring 2019 | Washington, D.C.

Please Take Our Survey on the Esri Events App!

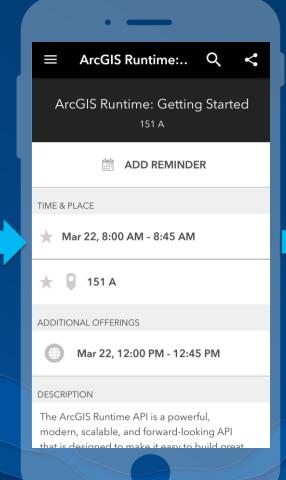
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Complete answers and select "Submit"

