Configuring the ArcGIS for Local Government Solution

Chris Fox
Scott Oppmann
Agenda

• Introduction

• Implementation Patterns

• Configuration Approaches

• Your Feedback
GIS Has Evolved

Your GIS is an Interconnected Platform

Web GIS

Bringing Together Data, Technology, and People . . .

. . . Creating a Framework for Solving Complex Problems
Your Local Government GIS is Evolving

Expanding Capabilities

<table>
<thead>
<tr>
<th>ArcMap / Catalog</th>
<th>ArcGIS Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client / Server</td>
<td>SaaS &amp; Hybrid Systems</td>
</tr>
<tr>
<td>Stand-Alone</td>
<td>Collaborative</td>
</tr>
<tr>
<td>Data Models</td>
<td>Web Maps &amp; Layers</td>
</tr>
<tr>
<td>Static Data</td>
<td>Real-Time</td>
</tr>
<tr>
<td>Custom Applications</td>
<td>Configurable Solutions &amp; Apps</td>
</tr>
<tr>
<td>Proprietary Data</td>
<td>Open Data &amp; Shared Services</td>
</tr>
<tr>
<td>2D Features</td>
<td>3D Features</td>
</tr>
</tbody>
</table>
Turning Point

ArcGIS Solutions

Mapping Without Limits

ArcGIS Online is a Complete, Cloud-Based Mapping Platform

ArcGIS Online mapping tools are powerful yet simple to use so everyone in your organization can make and share beautiful maps.

ArcGIS Online

ArcGIS Industry Specific Maps and Apps

ArcGIS Solutions deliver Ready-to-Use Maps and Apps to jumpstart your work.

Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.

ArcGIS Solutions for Local Government

Improving local government operations and enhancing services provided to the public

• Collection of useful maps and apps
  • Configurable and extensible
  • Freely available and fully supported

• Community of users (2000+ Meetup members)
  • Best Practices / Implementation Support

• Network of Esri Services and Partner offerings
  • Help users implement, sustain and enhance

……Available on-premise or in the cloud
ArcGIS Solutions
Groundbreaking and Incremental Improvements

Incremental Releases

- 2008
- 2012
- 2018

- Attribute Assistant
  - Situational Awareness
  - Information Lookup
  - Tax Parcel Editing
  - Crash Analysis
  - Environmental Impact
  - Public Notification

- Desktop Add-ins
- Responsive Web Apps
- Web App Templates
- Solution Site
- Feature Layers
- ArcGIS Pro Projects
- WebAppBuilder Widgets
- Deployment Tool
- Resource Center
- Custom Web Apps
- Flex Widgets
- Desktop Add-ins
- Information Models

Continuous Improvements
Government Implementations

WebGIS Pattern

Public Works
- Editing maps
- Feature layers
- Mobile maps
- Web apps
- Analysis maps
- Dashboards

Law Enforcement
- Editing maps
- Feature layers
- Mobile maps
- Web apps
- Analysis maps
- Dashboards

Fire Department
- Editing maps
- Feature layers
- Mobile maps
- Web apps
- Analysis maps
- Dashboards

Land Records
- Editing maps
- Feature layers
- Mobile maps
- Web apps
- Analysis maps
- Dashboards

General Public
- Embedded maps
- Responsive apps
- Open data

ArcGIS™ Online
ArcGIS® Enterprise
- Common feature layers
- Standard basemaps
- Information model

Organization

...Collaborate across organization
Step 1: Configure ArcGIS Organization
- Setup organization
- Create central groups
- Register your content
- Create functional groups
- Organize user community

Step 2: Deploy ArcGIS Solution(s)
- Log in to ArcGIS Organization
- Select appropriate solution(s)
- Deploy solution
- Socialize with stakeholders
- Identify configurations
- Load sample data (if necessary)

Step 3: Configure ArcGIS Solution(s)
- Configure and brand application(s)
- Modify maps and layers
- Refine layers and tables

Step 4: Load your Data
- Extract, transform, load
- Calculate values
- Share with users

...Reducing deployment time and maximizing expertise
Solutions Deployment Tool

• Help users:
  • Discover solution offerings
  • Deploy services, maps, and configurable apps
  • Configure solution to meet specific needs in their organization
    • Add fields
    • Modify field domains
  • Load data (if required)
ArcGIS Industry Specific Maps and Apps

ArcGIS Solutions deliver ready-to-use Maps and Apps to jumpstart your work.

Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.

Show Me!
Load your data

Lots of options for you

- **COTS ArcGIS Tools**
  - Append tool (ArcGIS Pro)
  - Append data to layer (ArcGIS Online)
  - Data Interoperability Extension
  - Data Assistant

- **Third-party products**
  - Safe FME

Format of your source data will dictate which tool is appropriate
Local Government Information Model

- Geodatabase schema AND service catalog
- Supports maps and apps
  - Rich symbols and cartography
  - Easy to adopt and extend
- Getting started
  - Deploy layer or download GDB schema
  - Review layers or GDB data dictionary
  - Configure domains, field alias, add fields
  - Deploy empty GDB schema (if required)
- Design tools
  - ArcGIS Online Data Management tools
  - ArcGIS Pro Design tab
  - Xray for ArcCatalog (for ArcMap users)

Start with the layer and field aliases and work from there....
The Community

It's not just about the technology
Closing Thoughts

• Your Local Government GIS implementation is evolving

• Focus on the business needs of your organization

• Leverage your ArcGIS Organization and ArcGIS Solutions

• Embrace new ArcGIS capabilities

• Don’t hesitate to ask for help from Esri, Peers, Partners
UC Events

- ArcGIS Solutions for Local Government Sessions
  - Thirteen tech workshops
  - Nine demo theatre sessions
- Solution Island
  - Focused conversations / support
Thank you
Be innovative, aware, and know you are not alone

🔗 http://solutions.arcgis.com/#Local-Government
🔗 http://meetup.com/ArcGIS-for-Local-Government/
🔗 @ArcGISLocalGov
🔗 http://esri.github.com
Please Take Our Survey on the App

Download the Esri Events app and find your event

Select the session you attended

Scroll down to find the feedback section

Complete answers and select “Submit”