Migrating your Data to ArcGIS for Local Government Information Model

Scott Oppmann
Steve Grise
Agenda

• Introduction
• Solution Offering
• Community
• What’s Next
• Your Feedback
ArcGIS
A Complete System for Geographic Information

- Visualize
- Create
- Collaborate
- Discover
- Manage
- Analyze

Cloud
Online
Enterprise

ArcGIS Solutions
- Local Government
- State Government
- Utilities
- Defense

Web
Mobile
Desktop

Esri UC2013 . Technical Workshop . Migrating your Data to Information Model
ArcGIS for Local Government

A solution for Esri’s local government customers

- A series of useful maps and apps focused on local government work
  - Organized into domains
  - Extensible, configurable
  - Freely available and fully supported
  - A foundation for Partner solutions
- An online community
  - Best Practices / Implementation Support
- A network of Professional Services and Partner offerings
  - Help users implement, sustain and enhance

Available on-premise and in the cloud
Our Mission

Help increase the value of GIS in local government organizations

• Make it easier to deploy ArcGIS
  - Deliver applications quickly throughout your organization
  - Stay current with future releases / avoid legacy technology
  - Create a platform of geospatial data that can be leveraged by many

• Address common constraints in local government
  - Size and skills of staff
  - Budget and time available to implement

• Empower the community to contribute
  - Users
  - Partners
ArcGIS for Local Government

Changing the way GIS is deployed

...reducing time, risk and cost so GIS is easier to deploy and maintain
Configurations Patterns

• Influential factors
  - COTS and configurable solutions strategy
  - Deployment time
  - Technical expertise

• Three configuration patterns
  - Complete system adoption
  - Publish and adopt
  - Sample code and customize

• Where do you start?
  - With your business requirements
  - Align them with maps and apps
  - Review system configuration patterns
Complete System Adoption

**Configure GDB schema**
- Add fields, features
- Configure domains
- Set spatial reference
- Load source data

**Step 1:** Organize your data

**Configure maps**
- Adjust scale dependencies and def queries
- Validate label expressions
- Publish basemaps and map services

**Step 2:** Author the maps

**Configure the desktop, mobile and web apps**
- Add basemaps and map services
- Adjust extents
- Configure popups
- Deploy Add-ins and models

**Step 3:** Deploy the apps
Publish and Adopt

Configure GDB schema
- Add fields, features
- Configure domains
- Set spatial reference

Create ETL Scripts
- Set source / target
- Schedule scripts
- Migrate production data

Configure maps
- Adjust scale dependencies and def queries
- Validate label expressions
- Publish basemaps and map services

Configure the mobile and web apps
- Add basemaps and map services
- Adjust extents
- Configure popups

Step 1:
Create publication database

Step 2:
Load production data

Step 3:
Author the maps

Step 4:
Deploy the apps
Sample Code and Customize

Configure your GDB schema
- Add fields, features

Step 1:
Use your GDB Schema

Configure maps
- Repair map layers (source and symbology)
- Adjust scale dependencies and def queries
- Validate label expressions
- Publish basemaps and map services
- Or, just try to use your maps…

Step 2:
Repair the maps

Publish your own mobile and web apps
- Customize/re-compile the apps
- Add basemaps and map services
- Adjust extents
- Configure popups

Step 3:
Customize the apps
Local Government Information Model

• Supports maps and apps
  - Known local government requirements
  - Easy to adopt and extend
• Fully documented
  - Features, layers and packages
• Central repository, organized around thematic content and logical permission model

• Tip
  • Xray for ArcCatalog

Start with the layer and field aliases and work from there....
Primary Challenges

• Configuring the information model

• Loading your data
Demonstration

Configuring the Information Model
Demonstration

Loading your data
The Community
Local Government Community

A destination for the community to learn and collaborate
Local Government Community

An ongoing dialog where users can learn from peers and share their success stories
UC Events

• **ArcGIS for Local Government Sessions**
  - Twelve different tech workshops

• **Special Interest Group**
  - Wednesday Lunch

• **Solution Island**
  - Focused conversations / support
Summary

• Identify the business needs of your organization
• Evaluate the state of your data holdings
• Select a configuration pattern that makes sense for you
• Configure quickly, customize if necessary
• Participate in the community
  - Share your configurations / customizations
  - Submit Github “Pull Requests”
• Don’t hesitate to ask for help from
  - Esri
  - Partners
Closing

- Deliver a “local government GIS” that enables success
  - Easier to deploy and sustain

- Evolve and grow the collection of apps

- Develop a community of users

- Provide a platform for partners to deploy their solutions
Please fill out the session evaluation

Offering ID: 1243

Online – www.esri.com/ucsessionsurveys

Paper – pick up and put in drop box

@ArcGISLocalGov

http://www.meetup.com/ArcGIS-for-Local-Government/

Thank you...