Configuring the ArcGIS for Local Government Solution

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Agenda

• Introduction

• Implementation Patterns

• Configuration Approaches

• Your Feedback
ArcGIS as a Platform
Simple, Open, and Configurable

Making Mapping and GIS Available Across Your Organization

- Knowledge Workers
- Executive Access
- Public Engagement
- Work Anywhere
- Enterprise Integration

Professional GIS

Web GIS

Transforming the Role of GIS
A Whole New Type of GIS Is Emerging
Connecting Individuals, Organizations and Communities
Your Local Government GIS is Evolving

Expanding Capabilities

- ArcCatalog ➔ ArcGIS Organization
- Client / Server ➔ Web Services & Apps
- Stand-Alone Desktop ➔ Connected Desktop
- Data Models ➔ Web Maps & Layers
- Static Data ➔ Real-Time
- Single Server ➔ Distributed Computing
- Custom Applications ➔ Configurable Solutions & Apps
- Proprietary Data ➔ Open Data & Shared Services
- 2D Features ➔ 3D Features
ArcGIS Online

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 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 for Local Government
Solutions for Esri’s government customers

• Collection of useful maps and apps
  • Configurable and extensible
  • Freely available and fully supported
• Community of users
  • Best Practices / Implementation Support
• Network of Esri Services and Partner offerings
  • Help users implement, sustain and enhance

…..Available on-premise or in the cloud
Our Mission

• Deliver maps and applications quickly throughout their organization
  • Roadmap for standard capabilities, improve service delivery, expand reach, innovation....

• Stay current with future releases / avoid legacy technology
  • Save time and money, leverage new ArcGIS offerings, focus on complex or unique problems....

• Unlock geospatial platform so it can be leveraged by many

• Leverage the collective knowledge of the entire community
  • Best practices, industry tradecraft....
Local Government Implementation

Client - Server Pattern

Fire Department
- Editing maps
- Web apps
- Analysis maps

Public Works
- Editing maps
- Web apps
- Analysis maps

Law Enforcement
- Editing maps
- Web apps
- Analysis maps

General Public
- Embedded maps
- Responsive apps

Land Records
- Editing maps
- Web apps
- Analysis maps

ArcGIS® Server
- Common services
- Standard basemaps
- Geodatabase

ArcGIS® Desktop

...Publish and share with organization
Local Government Implementation

WebGIS Pattern

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

Law Enforcement
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- Feature layers
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Fire Department
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General Public
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- Responsive apps
- Open data

Land Records
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ArcGIS Online
ArcGIS Enterprise

Organization

- Common feature layers
- Standard basemaps
- Information model

...Collaborate across organization
ArcGIS for Local Government
WebGIS Deployment Approach

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
ArcGIS for Local Government

DEPLOYING FOCUSED MAPS AND APPS
Solutions Deployment Tool
ArcGIS Pro Add-in

• 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)
Deploying Focused Maps and Apps

SHOW ME!
ArcGIS for Local Government

Client - Server Deployment Approach

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)
- Select appropriate solution(s)
- Download
- Socialize with stakeholders
- Identify configurations
- Load sample data (if necessary)

Step 3: Configure ArcGIS Solution(s)
- Refine information model and layers
- Set spatial reference
- Modify maps and layers
- Install add-ins or distribute tools
- Configure and brand application(s)
- Deploy on your infrastructure

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

…Reducing deployment time and maximizing expertise
Local Government Information Model

• Geodatabase schema AND service catalog
• Supports maps and apps
  • Rich symbols and cartography
  • Easy to adopt and extend
• Getting started
  • Download layer or GDB schema
  • Review data dictionary
  • Configure domains, field alias, add fields
  • Set spatial reference
  • Deploy empty GDB schema
• Tip - Xray for ArcCatalog

Start with the layer and field aliases and work from there....
ArcGIS for Local Government
LOADING YOUR DATA
Load your data
Lots of options for you

• COTS ArcGIS Tools
  • Append tool (ArcGIS Pro)
  • Data Assistant
  • Data Interoperability Extension
• Third-party products
  • Safe FME
• Python Scripts and Models
  • Gizinta

Format of your source data will dictate which tool is appropriate
Data Assistant

• ArcGIS Pro Add-in that simplifies data movement
  • Extract
  • Transform
  • Load
  • Repeat...
• Works with feature layers and feature classes
• Can preview results
• Originally designed to help with data aggregation
• Delivered with existing solutions
  • Community Addresses
  • Community Parcels
Loading Your Data

SHOW ME!
Closing Thoughts

• Your Local Government GIS implementation is evolving

• Focus on the business needs of your organization

• Leverage your ArcGIS Organization and Solutions Deployment Tool

• Embrace new ArcGIS capabilities

• Don’t hesitate to ask for help from Esri, Peers, Partners
Join the Community

It’s not just about the technology
UC Events

- ArcGIS for Local Government Sessions
  - Ten tech workshops
  - Thirteen demo theatre sessions
- Special Interest Group
  - Wednesday lunch
- State and Local Government Social
- Solution Island
  - Focused conversations / support

Search for: “ArcGIS for Local Government”
http://www.esri.com/events/user-conference/agenda
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Complete Answers and Select “Submit”
Thank you
Be innovative, aware, and know you are not alone

http://solutions.arcgis.com
http://meetup.com/ArcGIS-for-Local-Government/
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http://esri.github.com