Agenda (Update)

• Introduction
• Implementation Patterns
• Opioid Epidemic Solution
• Configuration Approaches
• Your Feedback
ArcGIS as a Platform
Simple, Open, and Configurable

Knowledge Workers
Executive Access
Public Engagement
Work Anywhere
Enterprise Integration
Professional GIS

Making Mapping and GIS Available Across Your Organization

Transforming the Role of GIS
A Whole New Type of GIS Is Emerging

Connecting Individuals, Organizations and Communities
Your 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 for State and 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
ArcGIS Solutions
Groundbreaking and Incremental Improvements

Incremental Releases
- 2008
- 2012
- 2017

Continuous Improvements
- Feature Layers
- ArcGIS Pro Projects
- Web AppBuilder Widgets
- Web App Templates
- Deployment Tool

Responsive Web Apps
- Desktop Add-ins
- Solution Site

Information Models
- Custom Web Apps
- Flex Widgets
- Desktop Add-ins
- Resource Center

Continuous Improvements
- Crowdsource Reporter
- Address Management
- Attribute Assistant
- Situational Awareness
- Information Lookup
- Military Tools
- Utility Network Editing
- Crash Analysis
- Public Notification
- Near Me
- Smart Editor
- Environmental Impact
- Damage Assessment
- Helicopter Landing
- Tax Parcel Editing

ArcGIS Solutions
Government Implementations

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

Land Records
- Editing maps
- Web apps
- Analysis maps

General Public
- Embedded maps
- Responsive apps

ArcGIS® Server
- Common services
- Standard basemaps
- Geodatabase

ArcGIS® Desktop

...Publish and share with organization
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

Organization
- Common feature layers
- Standard basemaps
- Information model

Collaborate across organization
ArcGIS for State and 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
Questions?
ArcGIS Solutions
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!
Questions?
ArcGIS for State and 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!
Questions?
Join the Community

It’s not just about the technology
Closing Thoughts

• Your 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
Thank you

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