



Esri International User Conference
San Diego, California

Technical Workshops | July 24, 2012

Migrating Data to the Local Government Information Model

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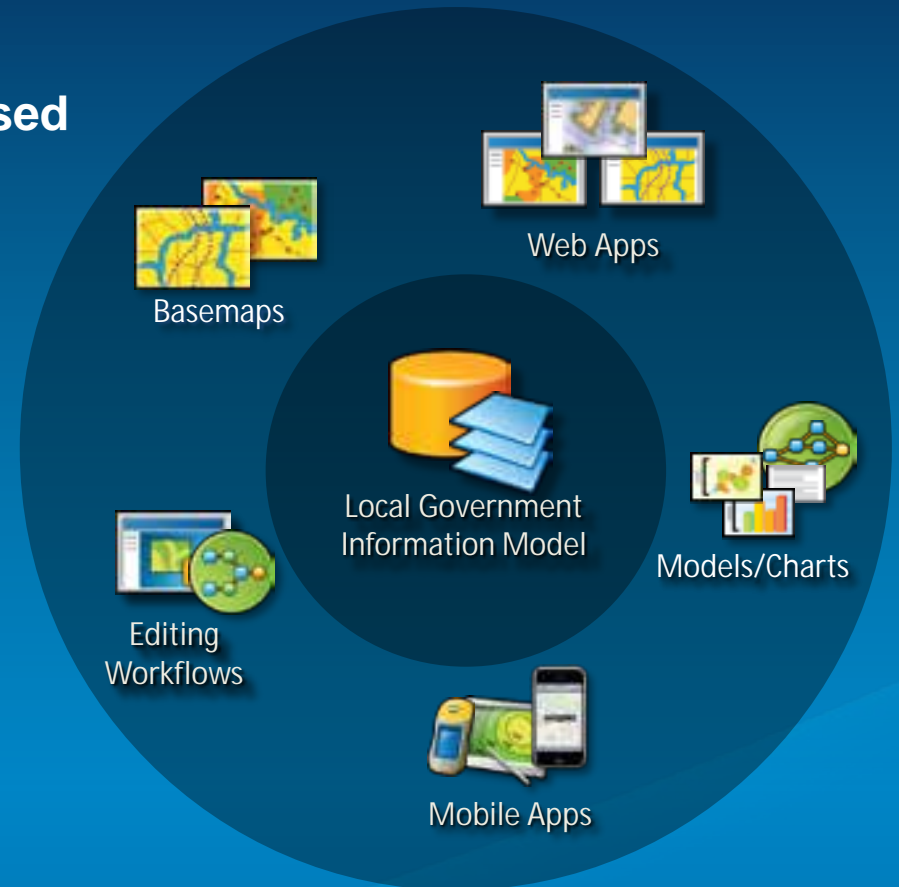
Agenda

- **Introduction**
- **Configuration Patterns**
- **Demonstrations**
 - **Configuring the Information Model**
 - **Load Data in to the Information Model**
- **What's Next**
- **Your Feedback**

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 modules
 - Extensible, configurable
 - A foundation for Partner solutions
- An online community
 - Best Practices / Implementation Support
- A network of Esri Services and Partner offerings
 - Help users implement, sustain and enhance



.....Available on-premise or in the cloud

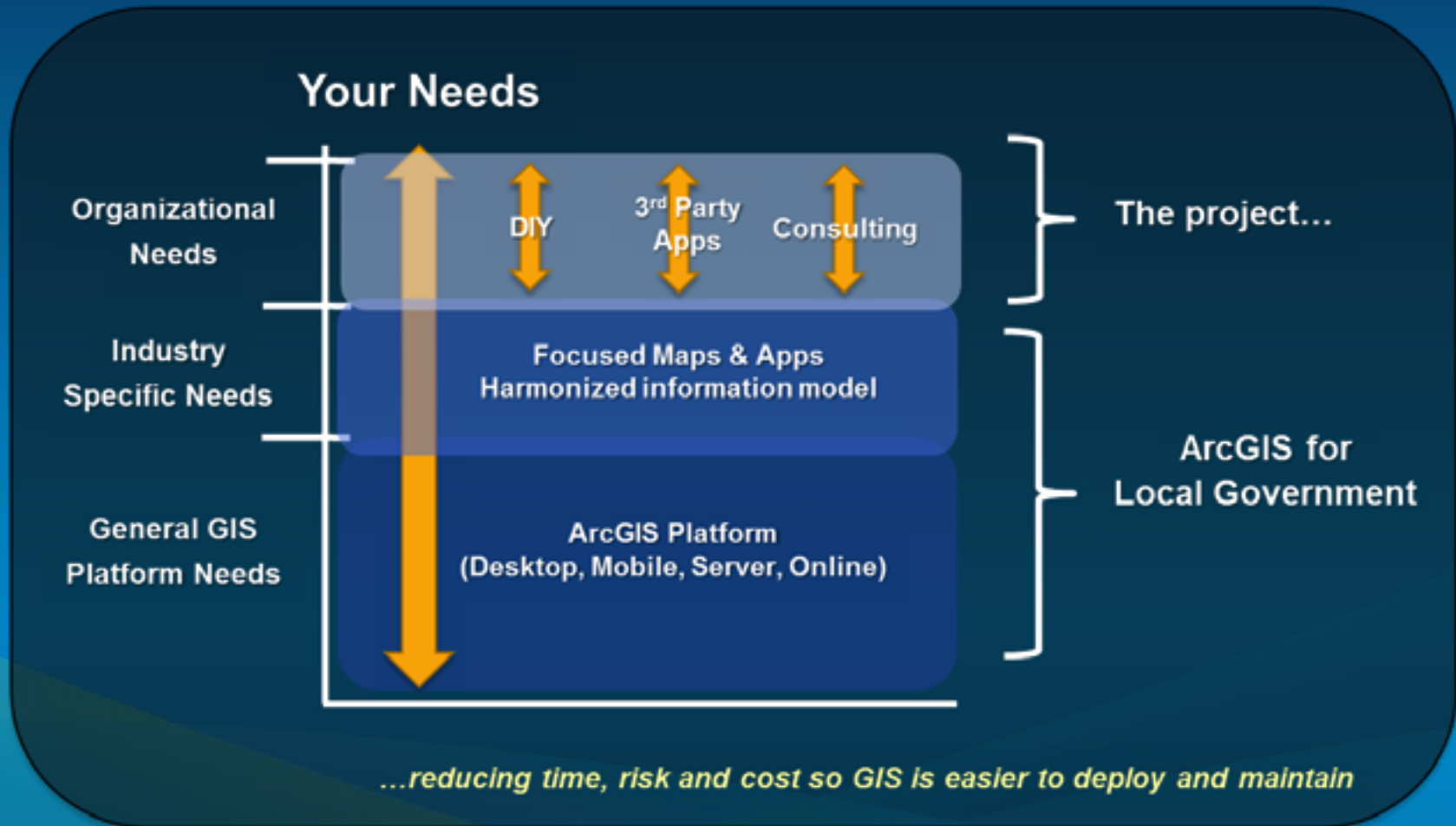
Our Mission

Help increase the value of GIS in local government organizations

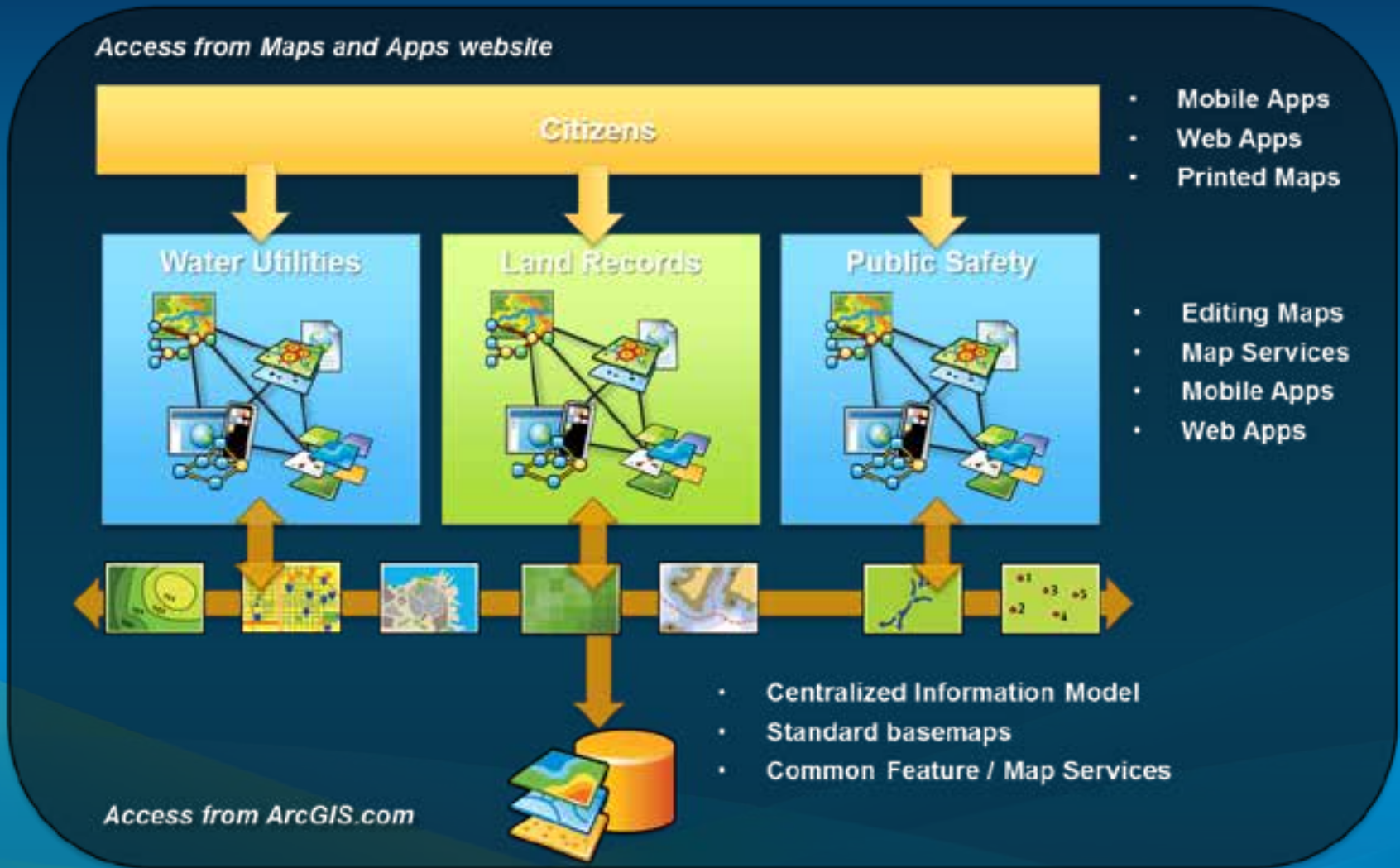
- **Make it easier to deploy ArcGIS**
 - Deliver applications quickly throughout your organization
 - Stay current with future releases / avoid legacy technology
 - Create a platform of geospatial data that can be leveraged by many
- **Address common constraints in local government**
 - Size and skills 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

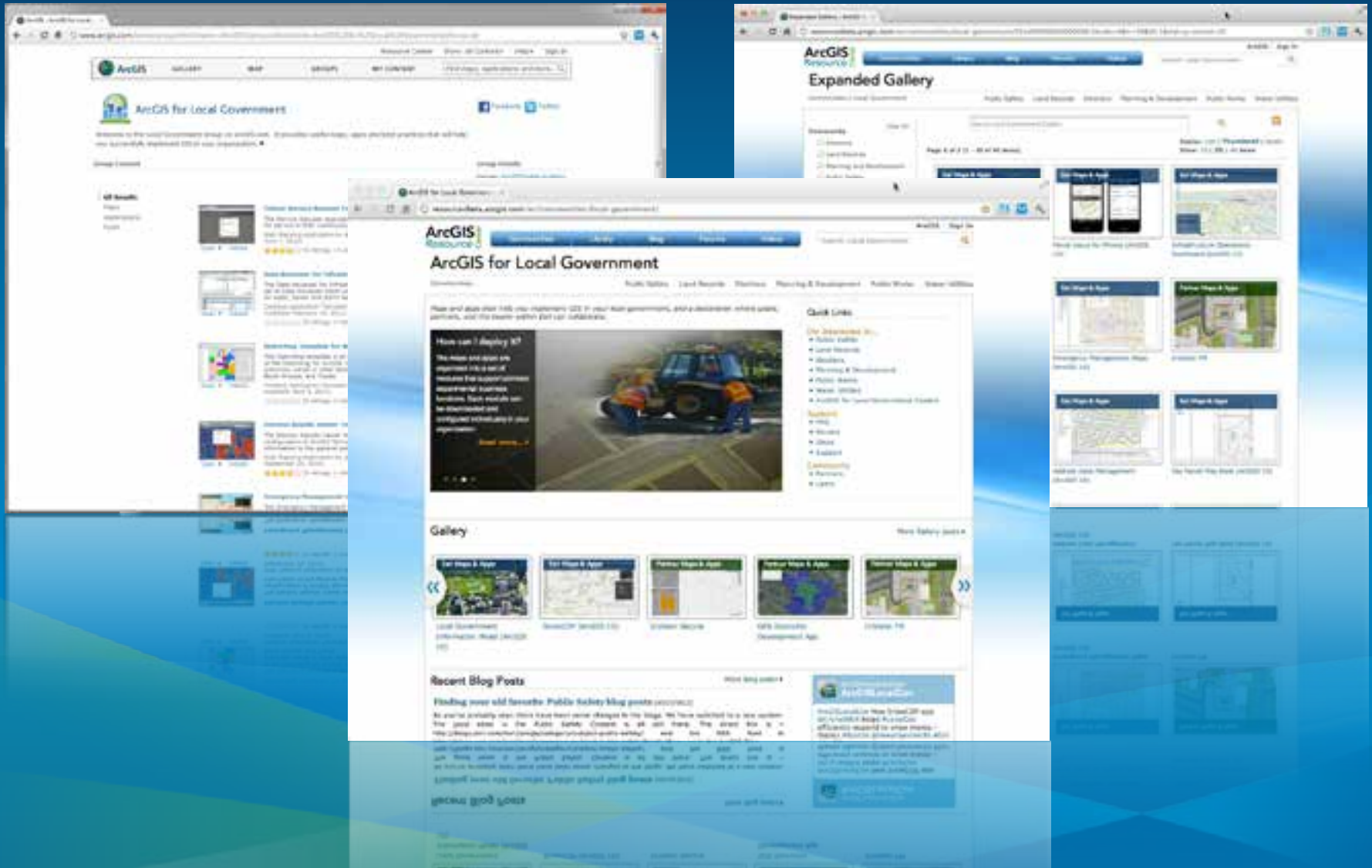


ArcGIS for Local Government Solution



Local Government Community

An online community where Local Government users and partners can collaborate



Configuration 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 **(NOT the GDB!)**
 - Align them with maps and apps
 - Review system configuration patterns

Complete System Adoption



Step 1:
Organize your data

Configure GDB schema

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



Step 2:
Author the maps

Configure maps

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



Step 3:
Deploy the apps

Configure the desktop, mobile and web apps

- Add basemaps and map services
- Adjust extents
- Configure popups
- Deploy Add-ins and models

Publish and Adopt



Step 1:
Create publication database

Configure GDB schema

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



Step 2:
Load production data

Create ETL Scripts

- Set source / target
- Schedule scripts
- Migrate production data



Step 3:
Author the maps

Configure maps

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



Step 4:
Deploy the apps

Configure the mobile and web apps

- Add basemaps and map services
- Adjust extents
- Configure popups

Sample Code and Customize



Configure your GDB schema

- Add fields, features

Step 1:

Use your GDB Schema



Step 2:

Repair the maps

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 3:

Customize the apps

Publish your own mobile and web apps

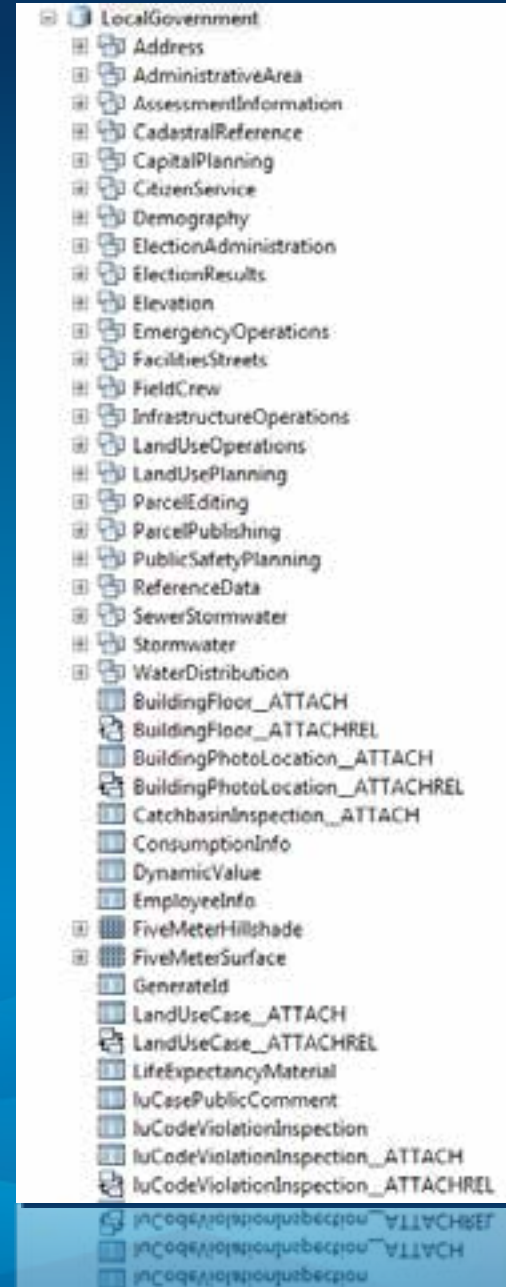
- Customize/re-compile the apps
- Add basemaps and map services
- Adjust extents
- Configure popups

NOT supported by Esri Support Services

Configuring the 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**
- **Organized access/maintenance patterns**
 - GDB replication, layers and services
- **Tip**
 - Xray for ArcCatalog and ArcMap
 - Safe FME and Esri Data Interop Extension

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



Demo

Steve Grise
Vertex3, Inc.

X-Ray for ArcGIS

- X-Ray is a part of ArcGIS that helps you build better Maps and Geodatabases
- Developed by Vertex3 in collaboration with Esri and expert ArcGIS users
- Supported by Esri
- Freely distributed on ArcGIS.com

What can I use it for?

- View the details of your maps and Geodatabases
- Manage/Edit your Design
 - With practical, simple, round-trip tools
- Manage Content later in the project lifecycle
- Tailor ArcGIS Templates for your organization
- Build new templates for your customers and/or country

X-Ray for ArcGIS - Demo

- X-Ray provides ArcMap & ArcCatalog Add-Ins for designing and managing GIS content
- 10 Major Enhancements in 2012

TemplatePolygon	
FIELD1	String
FIELD2	Integer

TemplatePolygon
First Field
Second Field

TemplateTable - Table							
Name	TemplateTable						
AliasName	Template Table						
HasAttachments	false						
Description	TemplateTable						
Tags	Template, X-Ray						
Field	Data Type	Length	AliasName	Description	Domain	DefaultValue	IsNullable
FIELD1	String	50	Field 1	First field			true

3. Data Source:

C:\Users\steve\Documents\ArcGIS\MapsandGeodatabase\LocalGovernment.gdb\ReferenceData

Source Name	Layers	MaxScale	MinScale	Label	DefinitionExpr
BuildingFootprint	1. Building Footprints_1K	0	0	false	
	2. Building Footprints_2K	0	0	false	"SHAPE_Area" > 100
	3. Building Footprints_4K	0	0	false	"SHAPE_Area" > 200
	4. Building Footprints_9K	0	0	false	"SHAPE_Area" > 500
	5. Building Footprints_18K	0	0	false	"SHAPE_Area" > 1000

Summary

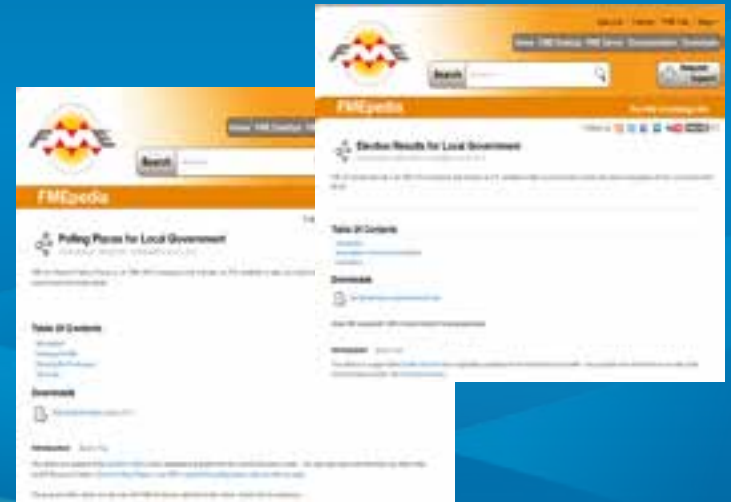
- Showed examples using X-Ray to manage your design/implementation
- Specialized tools for implementation
- Works with all ArcGIS tools
 - Round-trip design
 - Multi-tool
 - Full Geodatabase model
 - Design and Manage

Demo

Steve MacCabe
Safe Software

FME Technology

- Esri Local Government Information Model
- Pain Point: Customers wanting to populated the Loc Gov Information Model
- Solution: Esri Data Interop or FME Desktop
- Esri and Safe collaboration
- Spatial ETL tools and FME Workspaces
 - Walk through Polling Places and Election Results workflows
 - Creating more Spatial ETL and FME Workspaces



Summary

- **Local Government Information Model Resources**
 - Esri Data Interop
 - FME Desktop
- **More Coming:**
 - Check ArcGIS Online for “FME” to see What’s Available

What's Next

Solution Offering

- **Quarterly Releases**
 - Improved help documentation, videos, etc.
- **Complementary Partner offerings**
 - Safe FME Workspaces, FMEpedia articles, videos, etc.
- **Model Online Implementation**
 - Roles, Groups, Information Products, Configurable Apps, etc.

What's Next

Additional Maps and Apps

- **Public Safety**
 - Fire Incident Command
 - Cell Phone Analysis/Investigation
- **Planning and Economic Development**
 - Site Selection/Economic Gardening
 - Well and Septic Permitting
- **Land Records**
 - Field Assessment
 - Operations Dashboard
- **Public Works and Water Utilities**
 - Capital Project Coordination
 - Stormwater Assessment
 - One Call
 - Capital Planning (Roads)
 - Sign Inspection
- **Management**
 - Executive Dashboard

Summary

- **Identify the business needs of your organization**
- **Evaluate the state of your data holdings**
- **Select a configuration pattern that makes sense for your organization**
- **Don't hesitate to ask for help from**
 - **Esri**
 - **Partners**

ArcGIS for Local Government UC Sessions

[Click Here](#)

Questions

Please fill out your surveys

www.esri.com/ucsessionsurveys

Offering ID:160

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