ArcGIS Web Map Interfaces

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Product Management
Agenda

• ArcGIS Online Web Maps
• ArcGIS for Server/Web Map clients
  - ArcGIS Online application templates
  - ArcGIS Viewer for Flex
  - ArcGIS Viewer for Silverlight
  - ArcGIS for SharePoint
ArcGIS Online is a New GIS Pattern

- Cloud/Web
- Intelligent web maps
- Desktop
- Server
What is ArcGIS Online?

- Part of the ArcGIS system
- Working with maps & geographic information
  - Create
  - Share
  - Manage
  - Analyze
  - Visualize
- Organize authoritative content
- Simple, useful maps & info for organizations
What is a web map?

The foundation for your maps and applications

Intelligent Maps

Supporting
- Visualization
- Editing
- Popups
- Analysis
- Time

Services And Data
ArcGIS.com Map Viewer

- Create mash-ups and author Web maps
ArcGIS Online application templates

- Leverage from ArcGIS.com Map Viewer
- Create Web Map → Share → application template
Demo:
ArcGIS Online application templates
ArcGIS Viewer for Flex

• Configurable ready-to-deploy Web client
  - Built with the ArcGIS API for Flex
  - Hosted on-premise

• Easily and quickly build and implement GIS Web mapping applications

• No programming required, designed with the “non-developer” in mind
ArcGIS Viewer for Flex – User Interface

- Title
- Subtitle
- Logo
- Widget tray
- Map Switcher widget
- Navigation widget
- Scalebar
ArcGIS Viewer for Flex – User Interface

“Open” widget (from Widget tray)

Overview Map widget
Working with the ArcGIS Viewer for Flex

“Ready-to-deploy” Web client

- **ESRI solution** for creating GIS Web clients effortlessly
  - Works with ArcGIS Server and ArcGIS Online services

- **Configuration** enables changes to
  - Appearance
  - Functionality (via widgets)
  - Data content

- **Widgets** → modular functionality
  - Consist of
    - XML configuration file
    - Compiled Flash (.swf) file
ArcGIS Viewer for Flex functionality

*Based on widgets*

- Viewer application functionality defined by widgets
- **21 core widgets** included
- **Each widget is configurable**
  - No programming required

- Use a select group of widgets to create custom Web clients that address specific business workflows
  - Build focused Web mapping applications

- “Lego-like” approach to client development
Application Builder

- Provides GUI user experience to configure and deploy the Viewer
- Built on Adobe Air technology
Application Builder UI

5 control tabs

• Maps tab
  - Specify data content

ArcGIS.com Web Maps

or

Basemaps & Operational Layers
Application Builder UI

Define functionality and “look and feel”

Widgets tab

Layout tab

Design tab

Preview tab
Demo: ArcGIS Viewer for Flex application builder
ArcGIS Viewer for Flex – Resource Center

http://links.esri.com/flexviewer

• Download the Viewer application
• Help documentation, widget and configuration samples, and support forum
ArcGIS Viewer for Silverlight

- Configurable *ready-to-deploy* Web client
  - Built with ArcGIS API for Silverlight
- **Easily and quickly** create and implement GIS Web mapping applications

- Complete set of core GIS tools and functionality
- **No programming or editing configuration files**
  - Ideal for novice Web application creators
ArcGIS Viewer for Silverlight overview

- Web browser-based application
  - Hosted on-premise
- Consists of 3 components:
  1. Configurable Viewer
  2. Application Builder
  3. Extensibility Kit
- 32-bit and 64-bit OS versions available
- Localized versions available:
  - Arabic, Chinese (Simplified), English, French, German, Italian, Japanese, Portuguese (Brazilian), Russian, and Spanish
Working with Application Builder

• Create new Web mapping application based on:
  1. **New map** (from scratch)
  2. **Existing Web Map** (from ArcGIS.com)
     - ArcGIS.com login supported

• Configure
  - Data content
  - Functionality
  - Look and feel
Application Builder User Interface

**WYSIWYG user experience**

- Ribbon controls
- Settings
- About
- Toggle (preview)
- Home
- Deploy
- Getting started help panel (interactive)

**Navigation controls**

**Map display**
Application Builder workflow

- Interactively create Web apps → **WYSIWYG experience**
  - Map content
  - Tools
  - Look and feel

- Deploy configured Viewer applications
Application Builder contains Web App

- App Builder layer management
- Web App table of contents
- Web App preview
Demo:
ArcGIS Viewer for Silverlight application builder
ArcGIS Viewer for Silverlight – Resource Center

http://links.esri.com/silverlightviewer

• Download the application and extensibility kit
• Help documentation, samples, and support forum
Background: Microsoft SharePoint 2010

*Business collaboration platform for the Enterprise and the Web*

- Multipurpose Web application platform
  - Web content management
  - Documents and records management
  - Forms and workflows
  - Search

- Connects and empowers users
- Provides unified structure
- Adapts to business needs
ArcGIS for SharePoint

New product name: Esri Maps for SharePoint

- Configurable ready-to-deploy Web client
  - Built with ArcGIS API for Silverlight
- Enables GIS and mapping functionality in SharePoint
- Ideal for users familiar with SharePoint
  - Configuration user experience
- Install on SharePoint instance
Leveraging ArcGIS for SharePoint

• **Visualize SharePoint data in geospatial context**
  - GIS and interactive mapping functionality
  - Display SharePoint data with services from ArcGIS Server and ArcGIS Online

• **Can be integrated as part of a larger IT solution**
  - Collaborate and share with others

• **Promote GIS within your organization**
  - Other Departments may not use GIS, but use SharePoint
  - Sell the “value” of GIS
ArcGIS for SharePoint overview

• Web browser-based application
  - Hosted on SharePoint instance
• Complete set of core GIS tools and functionality
• Consists of 3 components:
  • Map Web Part
  • Geocoding workflow
  • Location field

• Integrate data from
  • ArcGIS Server and ArcGIS Online
  • SharePoint lists and libraries
Map Web Part

*Provides mapping visualization in SharePoint*

- Interactive and configurable Web Part
- Easily and quickly create and implement GIS Web mapping on SharePoint page
- Access and use SharePoint data, ArcGIS Server and ArcGIS Online services
- Open and display Web Maps from ArcGIS.com
Geocoding workflow

Spatially enable your SharePoint data

- Geocode addresses in SharePoint lists or libraries
  - Workflow can be automatically applied when item is added or changed
- Based on SharePoint workflow
  - Familiar UE for SharePoint users
- Interactive candidate match
- Locators are configurable
Location field

- Custom data type available to SharePoint
  - Added when a geocoding workflow is applied to SharePoint data
- Stores geographic location of associated SharePoint spatial data
  - Displays on basemap
- Geographic location can be edited
Demo: ArcGIS for SharePoint
ArcGIS for SharePoint – Resource Center

http://links.esri.com/sharepoint

- Download the application and extensibility kit
- Help documentation, samples, and support forum
Summary

• ArcGIS Online Web Maps
• ArcGIS for Server/Web Map clients
  - ArcGIS Online application templates
  - ArcGIS Viewer for Flex
  - ArcGIS Viewer for Silverlight
  - ArcGIS for SharePoint