What's New in ArcGIS Server 9.3.1

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Demo
 Publishing a map service with ArcGIS Server 9.3.1
– Open a map document
– Analyze
– Fix errors
– Preview
– Fix warnings
– Preview again
– Publish
 Preview map service in a client application ("View in JavaScript")
– Browse to .MSD in file system
– Map: Gulfport, Mississippi



- Antialiasing for features, text, or both

 Improves visual quality
 - Slows performance
- Best quality antialiasing with PNG 32 – Dynamic and cached
- Choose color transparency or feature transparency
- No need to use ESRI_Optimized style



- All geodatabase, shapefile, SDC, and raster data types
- Feature, raster, and annotation layers
- Most 2D symbols, bookmarks, callouts, legends, etc.



When should I use traditional MXD-based services?

- Fine-grained ArcObjects access (eg, Editor Task) – SOAP and REST APIs only for optimized map service
- Cartographic representations
- Unsupported layer type (TIN, CAD, Network Analyst etc.) – When possible, break out unsupported layers into own services



Improvements in the Web ADF for Microsoft .NET

- MapTips templates
- Microsoft Bing Maps (formerly Virtual Earth) support
- ArcGIS Image service support
- PrintTask templates
- UserControl task support
- Custom server object extension (SOE) and property page integration with Manager
- Standard design-time messaging for controls in Visual Studio
- Enhanced ScaleBar control rendered on client by default
- Licensing



Extended Java Developer Support

Native Java development

- To change or enhance the behavior of ArcObjects
- To create their own ArcObjects
- To extend ArcGIS Server

• Examples:

- ArcGIS Server Object Extensions
- Utility objects
- Geoprocessing Tools
- Custom layers and renderers
- Class extensions
- Plug-in new data sources

Extended Java Developer Support (cont.)

- New web services toolkit
 - More efficient use of memory, better performance
- ADF Editing task enhanced to support:
 - Multiple configurations
 - Navigation while editing features
- WMS layers
 - Scale dependency, define layer subsets
- REST API
 - Support for Network Analyst solve route operation
 - Return server version

ArcGIS 9.3.1: Data Sharing

- Package Layers easily using: Layer Packages
 - Easily share their data between ArcGIS Desktop and / or Explorer
 - Package up layer and associated data to be easily shared
 - Package is easily opened and used by Desktop and Explorer
- · Share by file share, email or via ArcGIS Online
- ArcGIS Online extended to allow upload and download of shared layers/data, and sharing with groups and communities online.



ArcGIS API for Microsoft Silverlight/WPF

- Designed for the Silverlight and WPF
 Platform
- Integrate ArcGIS Server, MapIt, and Bing Maps Services and capabilities
- Create rich, interactive and expressive web applications
 - Use Maps, Locators, and Geoprocessing models
 - Use with Silverlight components
- WPF supports native 64 bit (x64) platforms
 - Pure managed code

Silverlight**/WPE**



Develop rich internet applications with ArcGIS Server and BingTM services using the ArcGIS API for Microsoft SilverlightTM (WFFTM). The API enables you to create Nghly interactive, visually rich and expressive applications for both Web and desktop clients.

Demo

- Silverlight/WPF resource center
- Build an app!

Other Aspects of ArcGIS 9.3.1

- Continued focus on Quality improvements abased on:
 - User reports
 - Support
 - Crash Dumps
- ArcGIS Online
 - More data and online services
 - New Data Sharing Service

ArcGIS Explorer 900

- Uses Layer Packages
- 2D/3D Display
- New streamlined UI for ease of use

