What is coming in ArcGIS 10.3 for Server
and Portal for ArcGIS
Chapter II

The GIS Services

Server

Web Services (Dissemination)
Service Usage Statistics
User Assignable Layer IDs for REST Map Services

Under Consideration

I am constantly adding and removing layers from map services. Each time I do, the layerid shifts. This is a pain. If I add a new layer, I have modify the source of my apps to reflect the updated layerid for querytasks, etc etc. This would be a huge plus.

Tags: LayerID REST

15 Comments | Posted by: Buddhatown to ArcGIS Server, Web Apps and APIs Aug 19, 2011
In ArcMap (10.3), set the Data Frame Properties as follows…

In the Layer Properties you can also assign your own ID if you like. ArcGIS will make sure is unique…
You can now add, remove, shift layers and publish your map again…

Your Layer IDs will remain… and your apps won’t break.
Server Object Interceptors

Custom SOE: Add new operations

Custom SOI: Overwrite existing service operations

Intercept / filter incoming requests and outgoing responses
GeoEvent Extension | Bring real time GIS into decision making support tools

Field sensors

Input Connectors

Real time processing

Actions

Highlight on a map

Tell someone (e-mail, SMS...)

Log incident

Message other systems

Field sensors

Input Connectors

Real time processing

Actions
Out of the box support for clustering
New Spatial Operators and Geometry Processors

Buffer, Union, Difference, Symmetric Difference, Convex Hull, Simplifier, Projector

intersect, disjoint, touches, contains, crosses, equals, overlaps, within
Stream Services and Stream Layers

- Adding ‘Stream Service’ to ArcGIS Server

- Adding ‘Stream Layer’ to the ArcGIS API for JavaScript \((\text{Runtimes coming after 10.3...})\)
Real-Time GIS Clients

Stream Services and Stream Layers
Big Data outputs and integration

- Archiving of streaming data
  - Improvements to BigData store output connectors
  - Improved integration with ‘GIS Tools for Hadoop’
Esri Production Mapping for ArcGIS

New ArcGIS for Server extension. Create and download authoritative High Quality Cartographic Products on Demand.
• Read-Only support for SAP Hana and Altibase databases
• WFS 2.0
• …
• New 3D Services
• Enhanced Feature Service Scalability
• “HTML Viewer”
Chapter III

Web GIS

portal + Apps
(Collaboration)
ArcGIS Server includes:
  • Apps
  • A Portal
  • GIS Server
  • Data Management
More Web Apps than ever before

Useful, Beautiful and ready to go
An authoring tool for your Web Maps

Mashup your ArcGIS Server services quickly and effectively

ArcGIS Viewer
Web App Templates

1) Bundled with ArcGIS Server

1) Downloadable from ArcGIS and Github
Web AppBuilder for ArcGIS

Ad-hoc apps made your way
We give you the building blocks, take it from there
Create a destination for everything geo
Enable discovery, manage your geographic knowledge
Better integration with Enterprise Groups
Apply fine grained privileges using Custom Roles
Single Web Sign On through SAML 2.0
Citizens

City of XYZ Web Site

Public Access to maps.
How to secure access to sensitive data for City Employees?
Traditionally organizations have leveraged their enterprise users and authentication. For example Windows Users and Authentication.

This works well for users within an intranet…
What if an external user wants access to some sensitive data?
Ideally we want the contractor to manage its own enterprise users.
ArcGIS Server supports SAML authentication. It is compatible with your Enterprise Users Windows users for example.
And can leverage enterprise users from third parties as well
Other Enhancements to the Portal Web Site

Add items to your ‘Favorites’
Access ‘Favorites’ in the Gallery
Search your ‘Favorites’
Other Enhancements to the Portal Web Site

- View when a user logged in for the last time
- Disable and delete accounts
- Add accounts in bulk
Other Enhancements to the Portal Web Site

- Configure multiple locators
- Define default unit system
Other Enhancements to the Portal Web Site
Other Enhancements to the Portal Web Site

- Enable search of features of your WebMap
- Edit the URLs of services in items
- Decide if you would like people to copy your web maps
- Enable “delete protection’ on items
- Save layers as new items
- Add Text Notes and Label features
- Autocomplete when using World Geocoding Service
- ….and so much more

Including High Availability Configuration step by step guide…
High Availability in Portal for ArcGIS
It’s all about identity | Targeted user experiences, access control and much more…
Identity in ArcGIS unlocks more apps

<table>
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ArcGIS Server 10.3 includes a pack of Named User Licenses
Empower people

Identity in ArcGIS enables self-service mapping

ArcGIS Server 10.3 includes a pack of Named User Licenses
ArcGIS Data Store

ArcGIS Server 10.3 includes a pack of Named User Licenses

- Optimized Storage for features published to your Portal
- ‘Lightweight Feature services’
- Easy setup
- Built-in backup & restore capabilities
- High Availability configuration
Chapter IV

Release Dates