ArcGIS Enterprise: What’s New

Philip Heede
Hilary Curtis
Agenda

- Overview of ArcGIS Enterprise
- What’s new:
  - Deploying and upgrading
  - Content management
  - Mapping and analysis
  - Sharing and collaboration
  - For administrators

Questions? Visit us after the session!
Overview
ArcGIS Enterprise provides full-featured mapping, analytics and data management capabilities, running on infrastructure you control, enabling you to visualize, interpret, and act upon your location-based data.
Components of ArcGIS Enterprise

ArcGIS Server

Portal for ArcGIS

ArcGIS Data Store

ArcGIS Web Adaptor

Relational | Tile Cache | Spatiotemporal
Recent ArcGIS Enterprise Releases

<table>
<thead>
<tr>
<th>Version</th>
<th>Release Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.5</td>
<td>Q4 2016</td>
</tr>
<tr>
<td>10.5.1</td>
<td>Q2 2017</td>
</tr>
<tr>
<td>10.6</td>
<td>Q1 2018</td>
</tr>
<tr>
<td>10.6.1</td>
<td>July 2018</td>
</tr>
</tbody>
</table>
Related sessions:

ArcGIS Enterprise: An Introduction
• Tuesday, July 10 and 2:30pm - 3:30pm

Exploring New Functionality in the ArcGIS Enterprise Portal
• Tuesday, July 10, 12:15pm - 1:00pm
• Wednesday, July 11, 4:00pm - 4:45pm

ArcGIS Enterprise: The Road Ahead
• Wednesday, July 11, 10:00am - 11:00am
• Friday, July 13, 9:00am - 10:00am
What’s New
Named User Licensing
Named User Levels

1. Viewer (read only)
   - Ability to view maps, apps
   - Use geocoding and network analysis
   - Cannot create, own or share content
   - Cannot perform analysis or data enrichment

2. Can be assigned a User, Publisher or Administrator role, unlocking additional privileges
Announcing No-Cost Level 1 Named Users

Announced December 2017
Effective January 1, 2018

*note this change does not apply to ArcGIS Online or to ArcGIS Enterprise Level 2 Named Users*
Announcing **No-Cost Level 1 Named Users**

Step 2: Select Named User Quantity

These authorization numbers will be used with the Portal for ArcGIS component of ArcGIS Enterprise. Specify the number of Named Users you would like to authorize for your ArcGIS Enterprise portal. You can request as many Level 1 Named Users as you need for your organization. The number of Level 2 Named Users available is based on your purchase agreement or contract. Learn more about Named User levels.
Deploying & Upgrading
ArcGIS Enterprise Builder

- Command-line tools now available for Builder
- Upgrading workflow for deployments created using ArcGIS Enterprise Builder
PowerShell DSC and Cloud Builder for Azure

- Standalone Powershell DSC option for Windows-centric deployments
- Ability to export deployment artifacts from Cloud Builder for Azure
Content and Item Management
- Filters: Date Modified, Status
- Search
- Living Atlas tab (‘Esri Featured Content’) moved to Content page
Content

- Tabs
- Filters: categories, date modified, date created, shared, status
- Sort by date modified, title
- Display: grid, table, list
- Search
Groups

- Filters: date created, viewable by
- Sort by title, date modified, date created
- Search
Item level enhancements

- New item information bar
- Authoritative and deprecated badges

Encourage quality metadata

Promote quality items
Item Information

Make your item easy to find, understand and use by completing item information.

- Add a longer summary
- Add a thumbnail
- Add a longer description
- Add a title
- Add more tags
- Add terms of use
Hosted feature layer views

Apply different characteristics than the source data:

- Styles and symbology
- Editing settings
- Feature and/or field definitions
- User access through group sharing

*e.g. a certain ward*
Hosted Feature Layer Views

Demo
Content categories

- A way to arrange and discover content based on organization-wide themes

- Categories allow members to organize items consistently and provide a simple way to browse content in the organization

- Use custom or template hierarchies

- Default administrator role or custom role with privilege ‘manage categories’
Content Categories

Demo

Categories

- Administrative Boundaries
- Business and Economic Development
- Demographics
- Education
- Buildings
- Financials
- Health and Human Services
- Natural Environment
- Planning, Land Use, Zoning
- Public Safety
- Recreation
- Social and Cultural
Mapping & Analysis
Symbology and smart mapping styles

- Clustering
  groups point features close to one another into one symbol

- Firefly
  adds a bright dimension

- Predominant Category (and Size)
  now up to 10 attributes
Analysis tools

**New standard feature analysis tools:**
- Summarize Center and Dispersion
- Find Point Clusters
- Find Centroids
+ existing tool enhancements

**New GeoAnalytics (big data) tools:**
- Detect Incidents
- Geocode Locations from Table
- Calculate Field
- Append Data
- Build Multi-Variable Grid
- Find Point Clusters
- Overlay Layers
+ existing tool enhancements

+ new tools in Image Server for hydrology
+ raster analysis tools for calculating travel and distance
Publish custom web tools

- Custom geoprocessing services published as web tools can now be executed from the Map Viewer
Custom Web Tools
Demo
Print Service

- Support for vector tile layers
- Improved rendering for smart mapping, color transparency, Unicode support and legends
Performance improvements for map and feature services

- Now include quantization parameters that significantly enhance drawing performance
- Supported clients: ArcGIS Pro 2.2, Enterprise Map Viewer, Javascript 4.5+
Performance Improvements

Demo
Apps
App Launcher

- Bookmark apps that are relevant to your organization
- Allows for simple access to apps for your users
- “Request for permissions” prompt does not display
Operations Dashboard for ArcGIS

- Included with 10.6.1 release
  - **New** configurable web app
  - Operational view of your data and activity
  - Many ready-to-use data visualizations
    - Map, Serial chart, Pie chart, Indicator, Gauge
    - List, Details, Embedded content, Rich text
  - Various tools and interactivity options
Sharing & Collaboration
ArcGIS Enterprise Sites

- Brand new at 10.6.1!
- Create custom websites and pages that are powered by your content.
- Enabling you to deliver a tailored experience that makes data discovery easier and more approachable for your users.
Distributed Collaboration

- **What is it?**
  A way to share items (maps, layers, documents) between ArcGIS Enterprise deployments and with ArcGIS Online.

- **What’s new?**
  - **Collaboration with ArcGIS Online now out of beta!**
  - Share web mapping applications
  - Share feature layers as copies from Enterprise (Online available at 10.5.1)
  - Option to synchronize content on demand
  - Dynamic reporting on status of synchronizations
  - Policy on what happens to your data when you leave or delete a collaboration

Example pattern
Sites:

Exploring New Functionality in the ArcGIS Enterprise Portal
- Tuesday, July 10, 12:15pm - 1:00pm
- Wednesday, July 11, 4:00pm - 4:45pm

Collaboration:

Distributed Collaboration with ArcGIS Enterprise
- Thursday, July 12, 11:15am - 12pm
Administrative
Faster response times for service management operations

Available for all new sites and upgraded single cluster sites
Support for caching in cloud stores

- New in 10.6: Create and manage caches in Amazon S3 and Azure blob storage cloud store directories

- New in 10.6.1: Create and manage caches in Alibaba OSS and Huawei OBS blob storage cloud store directories
New privileges

- Publish server-based layers
- Add (members)
- Manage categories
- Publish web tools
Monitoring asynchronous geoprocessing jobs

- Start time
- End time
- Status
- User
- Machine Name

*Caching, GeoAnalytics, Raster Analysis, Publishing...*
In addition...
Redesign of web help experience

- An updated design
- A clear entry point to showcase Enterprise workflows
- Better visibility to search and selected sections
- An “at-a-glance” view of system requirements and installation guides
Supported Apps and New Product Releases

- Workforce for ArcGIS - 10.5.1
- Operations Dashboard for ArcGIS - 10.6
- Ortho Maker - 10.6.1

ArcGIS Monitor - 10.6

ArcGIS Utility Network Management extension - 10.6
Additional Resources

• Migrating to ArcGIS Enterprise whitepaper
• Data in ArcGIS whitepaper (brand new!)
• Architecting your Deployment slide doc

• Next week look for blogs and videos on 10.6.1
• Twitter: @ArcGISXprise
Thank you!
Please Take Our Survey on the App

Download the Esri Events app and find your event.

Select the session you attended.

Scroll down to find the feedback section.

Complete answers and select “Submit.”