What’s New in ArcGIS Enterprise

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Agenda

- Overview of ArcGIS Enterprise
- New in administration
- New in publishing
- New in analysis
- Questions - please visit us after the session!
Overview
ArcGIS Enterprise is a full-featured mapping, analytics and data management platform that runs on infrastructure you control, enabling you to visualize, interpret, and act upon your location-based data.
Contemporary ArcGIS platform

ArcGIS Pro → ArcGIS Online → ArcGIS Enterprise → ArcGIS Apps

ArcGIS for Developers
Components of ArcGIS Enterprise

ArcGIS Server
Portal for ArcGIS
ArcGIS Data Store
ArcGIS Web Adaptor

Relational | Tile Cache | Spatiotemporal
Patterns of Use and ArcGIS Enterprise

- Mapping & Visualization
- Data Management
- Field Mobility
- Monitoring
- Analytics

- Design & Planning
- Decision Support
- Constituent Engagement
- Sharing & Collaboration
Recent ArcGIS Enterprise Releases

- 10.5
- 10.5.1
- 10.6

- User experience
- Stability and performance enhancements
Upcoming sessions:

• **ArcGIS Enterprise: The Road Ahead (Live Only)**
  - Friday, 8:30am – 9:30am | Primrose B

• **Extending ArcGIS Enterprise**
  - Friday, 10:00am – 11:00am | Catalina/Madera

• **Web GIS: A Crash Course**
  - Friday, 1:00pm – 2:00pm | Pasadena/Sierra/Ventura
Past sessions:

• Building Your First ArcGIS Enterprise Deployment
• Architecting Your Deployment
• Authoring Content for a Modern GIS
• ArcGIS Monitor: An Introduction
• Raster Analysis and Image Processing in ArcGIS Enterprise
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

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**Generate Portal for ArcGIS Licenses**

**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
- Upgrading workflow for deployments created using ArcGIS Enterprise Builder
Performance Enhancements
Faster response times for service management operations

Available for all new sites and upgraded sites that contain a single cluster
Caching
Support for caching in cloud stores

- Create and manage caches in Amazon S3 and Azure blob storage cloud store directories
Custom Web Tools

- Custom geoprocessing services published as web tools can now be executed from the Map Viewer.
Point Clustering
Point Clustering

- Visually extract meaningful information from your point data
- Group point features in close proximity into one symbol
Point Clustering
Demo
Hosted Feature Layer Views
Hosted Feature Layer Views

- Apply different styles, editor settings, feature and/or field definitions
- Control user access to the view by sharing to different groups than the source

Source: read-only

View: editable
New GeoAnalytics Tools
GeoAnalytics

Process large volumes of vector and tabular data, reducing your workflow from days, weeks and months to hours and minutes.

Detect Incidents

Calculate Fields

Geocode Locations from Table

Read from ORC and Parquet files
• Introduction to GeoAnalytics Server
  - Friday, 1:00pm - 2:00pm
  - Mojave Learning Center
Distributed Collaboration
What is Distributed Collaboration?

A way to share information and data with other organizations or deployments through a trusted environment.

...Extends beyond geographic & organizational boundaries.

...Allows teams to discover content as they work towards shared goals and initiatives.
Evolution of Distributed Collaboration

10.5
- Services shared by reference

10.5.1
- Collaboration with ArcGIS Online
New at ArcGIS Enterprise 10.6

• Feature layers shared as copies between ArcGIS Enterprise

• Content deletion policy
New at ArcGIS Enterprise 10.6

- Sync status reporting

When was my last completed sync?
When is my next sync scheduled?
App Launcher
App Launcher

- Bookmark apps that are relevant to your organization in your Enterprise portal
- Allows for simple access to apps for your users
- “Request for permissions” not required
App Launcher

Demo
Publishing Privileges
New Publishing Privileges

- Two new privileges:
  - Publish custom web tools
  - Publish server-based layers
Groups and Content
Refreshed interface for Groups and Content

- Search
- Filter
- Tab
Improved Print Service

- Support for vector tile layers
- Improved rendering for smart mapping, color transparency, Unicode support and legends
ArcGIS Living Atlas of the World
New in ArcGIS Living Atlas of the World

- Vector tile layers
- 2017 U.S. demographic data
- Updated boundary layers

https://livingatlas.arcgis.com
Documentation
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


Get Started

- Easy installation
  - Use the ArcGIS Enterprise Builder for a base ArcGIS Enterprise deployment.
  - Watch now

- Customize your portal
  - Design your home page, manage licenses for ArcGIS apps, and add users and groups.
  - Learn more

- Bring your own data
  - Register your on-premises and cloud data stores.
  - Learn more

- Share maps and apps
  - Use demographic analysis, smart mapping, and share a web app from your portal.
  - Start the lesson

- Collaborate
  - Share feature layer data as copies from one portal to another.
  - Learn more
In addition...
Supported Apps and New Product Releases

- Workforce for ArcGIS - 10.5.1
- Operations Dashboard for ArcGIS - 10.6
- ArcGIS Monitor - new!
- ArcGIS Utility Network Management extension - new!
  - Insight into the ArcGIS Utility Network Management Extension
  - Friday, 10:00am - 11:00am | Mesquite B
Other Resources

- Migrating to ArcGIS Enterprise whitepaper
- Architecting your Deployment
Thank you!