ArcGIS Enterprise: An Introduction

Ephraim Muya
May Kitiyo

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Agenda

- Comparison: ArcGIS Online and ArcGIS Enterprise
- Key Features
- Demo 1
- Software Components
- Server Roles
- Named Users
- Demo 2
- Q & A
- Resources
ArcGIS Is a Platform
Enabling Web GIS Everywhere

Available in the Cloud . . .
. . . and On-Premises
What is ArcGIS Enterprise?

- ArcGIS Enterprise, the next evolution of the ArcGIS Server product line
- Full-featured mapping and analytics platform.
- Includes a powerful GIS web services server plus dedicated Web GIS infrastructure.
### A Comparison

<table>
<thead>
<tr>
<th>ArcGIS Online</th>
<th>ArcGIS Enterprise</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Web GIS functionality</strong> (Apps, visualization, Smart Mapping, Analysis…)</td>
<td></td>
</tr>
<tr>
<td>• Hosted By Esri (SaaS)</td>
<td>• In your own infrastructure (Software)</td>
</tr>
<tr>
<td>• Upgraded automatically (By Esri)</td>
<td>• Upgraded Manually (by Organization)</td>
</tr>
<tr>
<td>• Esri Provided Content and Services</td>
<td>• Advanced GIS Functionality</td>
</tr>
<tr>
<td>• Basemaps</td>
<td>• GIS Server</td>
</tr>
<tr>
<td>• Living Atlas</td>
<td>• Image Server (optional)</td>
</tr>
<tr>
<td>• GeoEnrichment, Routing…</td>
<td>• GeoEvent Server (optional)</td>
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<tr>
<td></td>
<td>• GeoAnalytics Server (optional)</td>
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</tbody>
</table>
ArcGIS Enterprise | Key Features

Smart Mapping and Visualization
ArcGIS Enterprise | Key Features

Geocoding

Routing
ArcGIS Enterprise | Key Features

Analytics
Standard Tools | GeoAnalytics Tools | Raster Analysis Tools

Living Atlas
3D Maps and Configurable Apps
Demo 1
(An Overview)

May Kitiyo
ArcGIS Enterprise is everything that ArcGIS Server has always been and much more
ArcGIS Enterprise | Components

- ArcGIS Server
- Portal for ArcGIS
- ArcGIS Datastore
- ArcGIS Web Adaptor
ArcGIS Server
Set up as a GIS Server and configured as the Hosting server. Provides the layers, services and horsepower required to power your Web GIS.

Portal for ArcGIS

ArcGIS Datastore

ArcGIS Web Adaptor
Portal for ArcGIS
The Web Frontend and infrastructure backend that supports a user’s interaction and overall experience with your Web GIS.
ArcGIS Enterprise | Components

- ArcGIS Server
- Portal for ArcGIS
- ArcGIS Data Store
  - Relational
  - Tile Cache
  - Spatiotemporal
- ArcGIS Web Adaptor
ArcGIS Enterprise | Components

ArcGIS Server

Portal for ArcGIS

ArcGIS Datastore

ArcGIS Web Adaptor
An Esri Built software Load Balancer that appropriately directs network traffic and serves as a Reverse Proxy for Web GIS access
ArcGIS Enterprise | Base Deployment

Single Machine Deployment
ArcGIS Enterprise | Base Deployment

Multitiered Deployment
ArcGIS Enterprise | Base Deployment

High Availability Deployment
ArcGIS Enterprise | Server GIS vs Web GIS

**Server GIS**
Silo’d Use GIS Services within Custom Applications

**Web GIS**
Pervasive use of layers, scenes and maps within all of the ArcGIS apps
ArcGIS Enterprise | Named Users

Level 1
Equivalent Built-in roles: Viewer
Can View content, including maps, apps, and data.
Cannot Create own content

Level 2
Equivalent Built-in roles: Viewer, User, Publisher, Administrator
Can create, view, share, and own content, including maps apps and data. Specific permissions will vary depending on privileges granted.
Resources

ArcGIS Enterprise


What is ArcGIS Enterprise?
