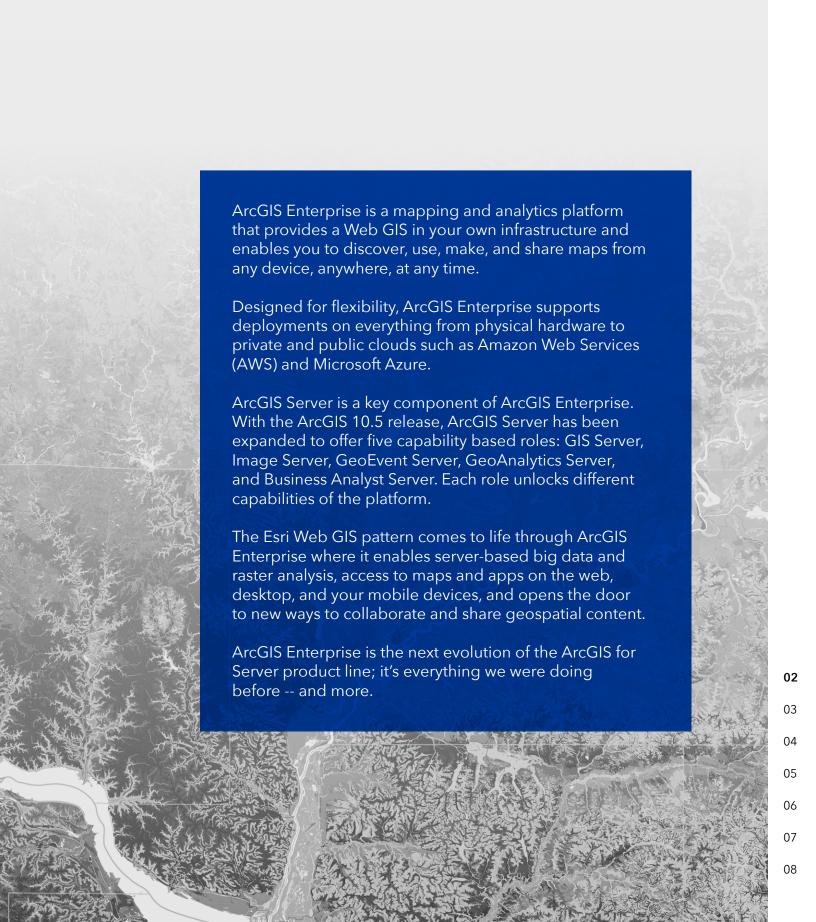


# ArcGIS ENTERPRISE

Functionality Matrix



# ArcGIS ENTERPRISE

Functionality Matrix

105

Included

O Additional Purchase

<sup>1</sup> Windows Only

Advanced geoprocessing tools refers to all geoprocessing tools available in ArcGIS Desktop Advanced and also includes all tools in the spatial analyst, geostatistical analyst, and 3D analyst toolboxes.

# **SERVER CAPABILITITES**

Access, create, update, and edit schematic diagrams

Big data analysis - Raster, Image

Big data analysis - Vector, Tabular

Can be designated as Hosting Server

Distributed and parallelized computing/analysis

Esri geodatabase management

Esri geodatabase read-access

Federation with Portal for ArcGIS

Geo-enabled alerting

On-the-fly image processing and dynamic mosaicking

Support for OGC web services

Raster analytics

Real-time data analytics and monitoring

Run advanced geoprocessing tools <sup>2</sup>

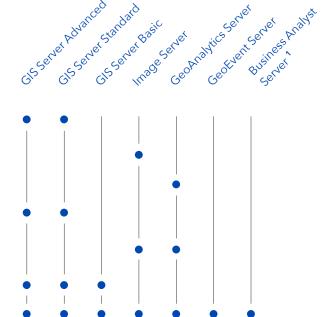
Run business analyst geoprocessing tools

Run custom geoprocessing models

Space-time (spatiotemporal) analysis

Visualize 3D spatial content

Web editing



80

Included

Additional Purchase

The only geoprocessing services that can be served are those that are pre-configured within the server; you cannot add or modify geoprocessing services.

# CISSERER ADVANCE OF SERVER BASIC CEOPURA MICE SERVER BUSINES **SERVICE TYPES SERVED** Cached service - Map, Image Dynamic map service Feature service Feature service (read-only) Geocoding service GeoEnrichment service Geodata service Geometry service Geoprocessing service Image service - From mosaic dataset Image service - From single raster Network service Print service Schematic service Stream service **HOSTED LAYER TYPES** Feature layer Imagery layer Scene layer Tile layer - Raster Tiles Tile layer - Vector Tiles **CONTENT** 02 Living Atlas 03 Esri Business Analyst Data (U.S. 04 Demographic, Consumer Spending, Tapestry Segmentation, Market Potential, 05 Business, and Retail Marketplace Data) 06 StreetMap Premium

07

80

(Display, Routing, Geocoding)

# Included

O Additional Purchase

# Supported Database & File Share Connections

To use cloud-hosted databases your ArcGIS Enterprise deployment must be collocated with the database in the same cloud



## **EXTENSIONS**

ArcGIS Network Analyst for Server

ArcGIS for INSPIRE

ArcGIS Data Interoperability for Server <sup>1</sup>

ArcGIS Data Reviewer for Server <sup>1</sup>

ArcGIS Workflow Manager for Server <sup>1</sup>

ArcGIS for Maritime: Server <sup>1</sup>

Esri Defense Mapping for Server <sup>1</sup>

Esri Production Mapping for Server <sup>1</sup>

Esri Roads and Highways for Server <sup>1</sup>

# CISSERVET ACTUAL CONTROL STANDARD CONTROL CONT

# Support for Enterprise Geodatabases + Query Layers

Amazon RDS for Microsoft SQL Server<sup>5</sup> Amazon RDS for PostgreSQL<sup>5</sup> IBM DB2 IBM Informix Microsoft SQL Server Microsoft Azure SQL Database<sup>5</sup> Oracle PostgreSQL

# Big Data File Shares supported by GeoAnalytics Server

Apache Hadoop HDFS Apache Hive Local File Shares (CSV, Shapefile)

# **Support for Query Layers**

ALTIBASE Dameng IBM Netezza SAP HANA SQLite Teradata

# Raster File Share supported by Image Server

AWS S3 Microsoft Azure Storage Local File Shares 02

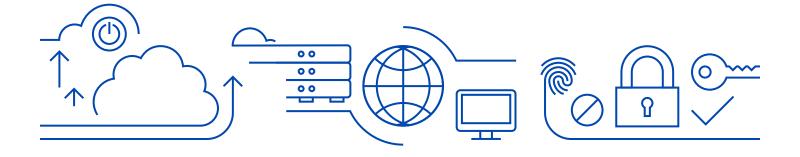
03

05

07

06

Windows only



# Supported Cloud Environments

ArcGIS Enterprise can be deployed in any cloud or virtualized environment that meets the minimum system requirements. Esri provides technical support and pre-built machine images for:

- Amazon Web Services (AWS)
- Microsoft Azure

To configure, license, and launch ArcGIS Enterprise software you can use free templates and Cloud Builder software: ArcGIS Enterprise on Amazon Web Services or ArcGIS Enterprise on Microsoft Azure.

# Supported OGC and Open Web Services

As part of Esri's Open Vision the ArcGIS GIS Server (Advanced and Standard) in ArcGIS Enterprise can serve out the following Open Geospatial Consortium (OGC) and open web services:

- WMS Web Map Service (versions: 1.0, 1.1, 1.1.1, and 1.3)
- WFS Web Feature Service (versions 1.0, 1.1, and 2.0)
- WCS Web Coverage Service (versions 1.0.0, 1.1.0, 1.1.1, 1.1.2, and 2.0.1)
- WMTS Web Map Tile Service (version 1.0)
- WPS Web Processing Service (version 1.0)
- KML Keyhole Markup Language (version 2.2)
- GeoJSON

ArcGIS Servers licensed as Image Servers will be able to serve out Web Coverage Services at the same version levels as listed for ArcGIS GIS Server.

# Security, Authentication, and Authorization

ArcGIS Enterprise comes with a robust and effective security framework that includes options for managing access and enforcing permissions for secured resources. Configurable security settings supported include:

- Web-tier authentication (IWA, PKI)
- GIS-tier authentication (built-in identity)
- Enterprise logins (SAML 2.0)
- Enterprise Groups (Active Directory and LDAP)
- TLS 1.0, 1.1, and 1.2

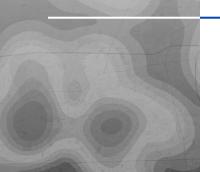


03 04

05

07

06



# Licensing

# NAMED USER ENTITLEMENTS

The purchase of ArcGIS Enterprise includes a set of named user entitlements to be used within Portal for ArcGIS. The number of out-of-the-box entitlements you receive depends on the edition and level of ArcGIS Enterprise purchased.

| INCLUDED NAMED USER ENTITLEMENTS | Named User Membership Level  Level 1 Level 2 |
|----------------------------------|--|
| ArcGIS<br>Enterprise Advanced    | ArcGIS Enterprise<br>Workgroup Advanced      |
| 30 50                            | 0 10   |
| ArcGIS<br>Enterprise Standard    | ArcGIS Enterprise Workgroup Standard         |
| 30   5                           | 0 5  |

Additional named user entitlements may be purchased for use with ArcGIS Enterprise, however the total number of named user entitlements for use with ArcGIS Enterprise Workgroup Edition is capped at 10 and is restricted to Level 2 only.

Note that named user entitlement information listed within this document may not be applicable if you are licensed under a special program such as: Enterprise License Agreement (ELA), Education site license, etc. Contact your local Esri representative for more details on how named user entitlements apply to your organization.

## NAMED USER MEMBERSHIP LEVELS AND ESRI DEFAULT ROLES

Members of an organization can be assigned roles with privileges at the two membership levels of named user: Level 1 or Level 2. The membership level number (1 or 2) corresponds to the supported functionality of that user level; as the level increases so does the breadth of privilege and access available to the user.

A Level 1 user is the most basic user level. Level 1 users are content viewers and do not have privileges to own items. This level corresponds to the Esri default Viewer role in Portal for ArcGIS.

A Level 2 corresponds to the Esri default roles of User, Publisher, and Administrator. Level 2 users are content contributors and have privileges to create content and conduct other tasks within Portal for ArcGIS.

For more information on Level 1 and Level 2 membership levels, default roles, and associated privileges see the Portal for ArcGIS Help Documentation on Organization roles and membership levels.



02

03

05

06 **07** 

### ARCGIS ENTERPRISE WORKGROUP LEVEL

ArcGIS Enterprise Workgroup is a lower capacity level of ArcGIS Enterprise. It offers all the same functionality as ArcGIS Enterprise but is designed for use in smaller teams and organizations. The Workgroup level has the following differences:

- There is a limit of 10 simultaneous desktop connections to workgroup geodatabases. Workgroup geodatabases are only supported on Microsoft SQL Server Express and have a maximum size of 10 GB.
- The Workgroup level is only licensed for use with file-based data sources (e.g. file geodatabases) and workgroup geodatabases. It is not licensed for use with enterprise geodatabases.
- The base ArcGIS Enterprise deployment must be deployed all-in-one on a single machine with up to 4 cores.
- Each server role has a 4-core maximum. The additional roles can be deployed on separate machines from the base deployment. The spatiotemporal big data store from ArcGIS Data Store may be configured on a single, separate 4-core machine.

For more information and to determine if ArcGIS Enterprise Workgroup Level is a good fit for your organization, contact your local Esri representative.

# Deploying ArcGIS Enterprise



## **BASE ARCGIS ENTERPRISE DEPLOYMENT**

ArcGIS Enterprise includes several software components that are designed to work together. A foundational setup of ArcGIS Enterprise consists of a number of these components configured in a certain way; this is called a base ArcGIS Enterprise deployment.

The base deployment consists of: Portal for ArcGIS, ArcGIS Server (licensed as a GIS Server Standard or GIS Server Advanced and configured as the hosting server site for your portal), ArcGIS Data Store (configured as a relational and tile cache data store), ArcGIS Web Adaptor (one for Portal for ArcGIS and one for ArcGIS Server).

The base ArcGIS Enterprise deployment can be configured as a single machine deployment or a multitier deployment. All configuration patterns can be deployed with high availability.

For more information on ArcGIS Enterprise deployment patters and architectural recommendations see the ArcGIS Enterprise Deployment documentation.

02

03

04

05

06

