

Building your first ArcGIS Enterprise

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Overview

- Web GIS options with Esri
- Building a Base ArcGIS Enterprise Deployment
 - Overview of Base ArcGIS Enterprise Deployment & Key Concepts
 - ArcGIS Enterprise Builder
 - Administering and customizing your ArcGIS Enterprise

Web GIS Options with Esri

ArcGIS Online

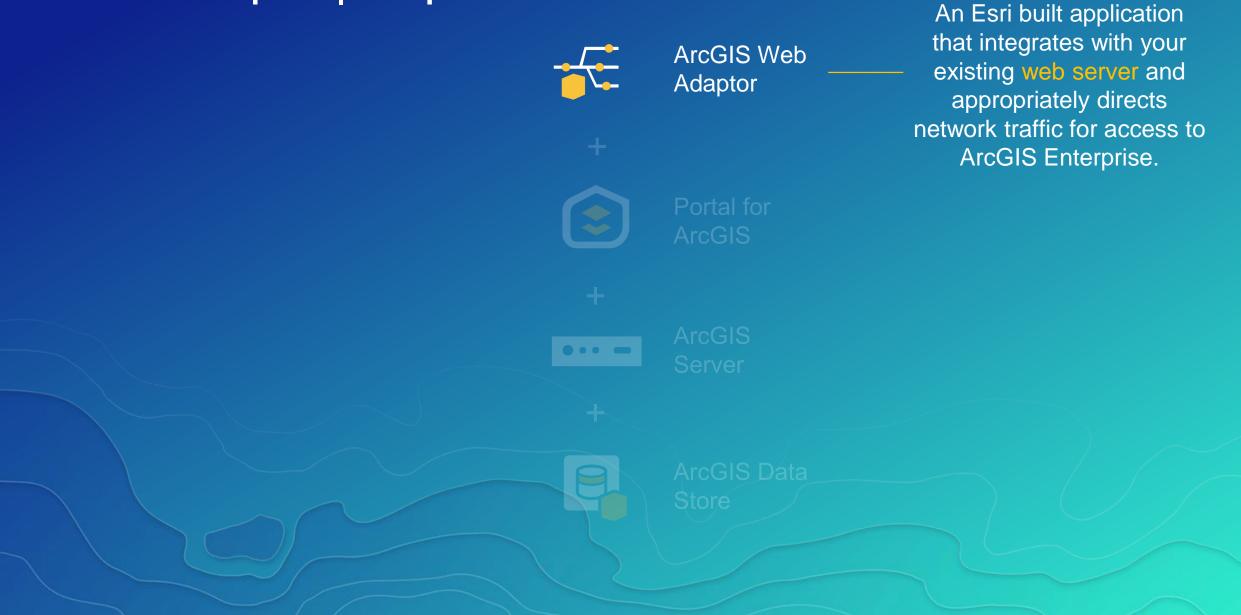
ArcGIS Enterprise

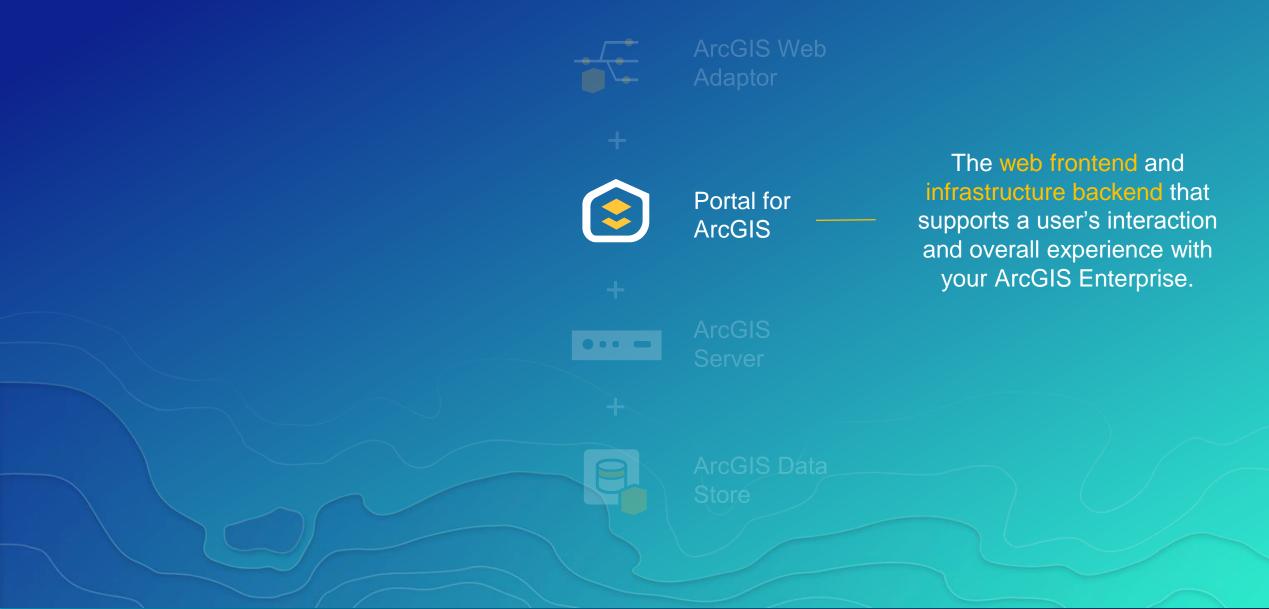
Core Web GIS functionality (Apps, visualization, smart mapping, analysis...)

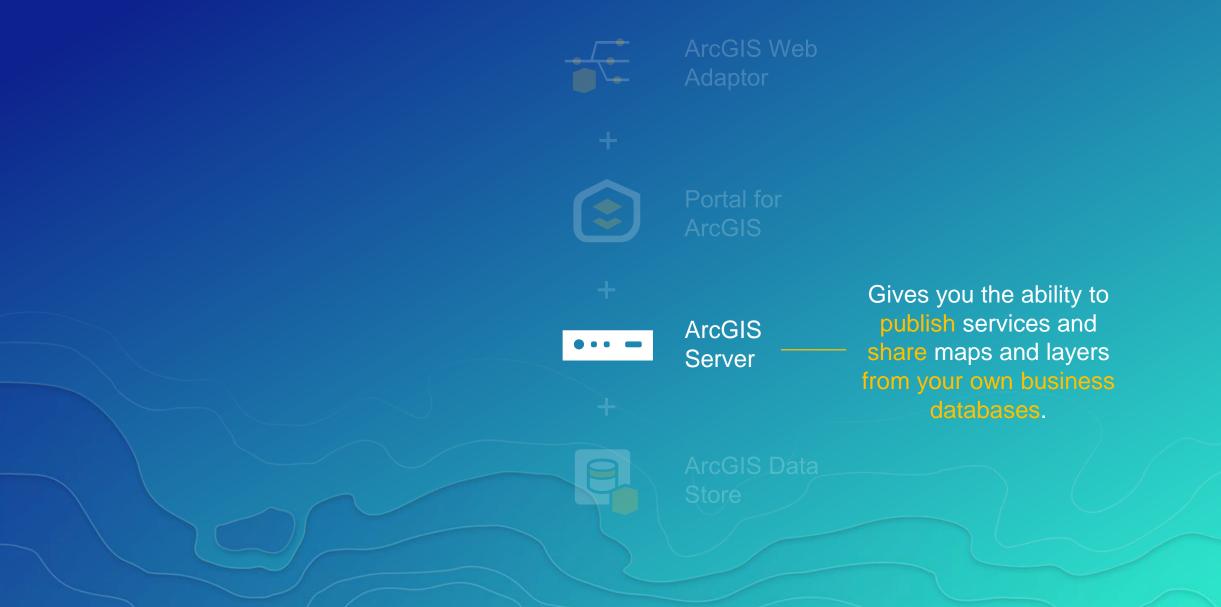
- Hosted by Esri (SaaS)
 - Upgraded automatically (by Esri)
 - Esri controls SLA

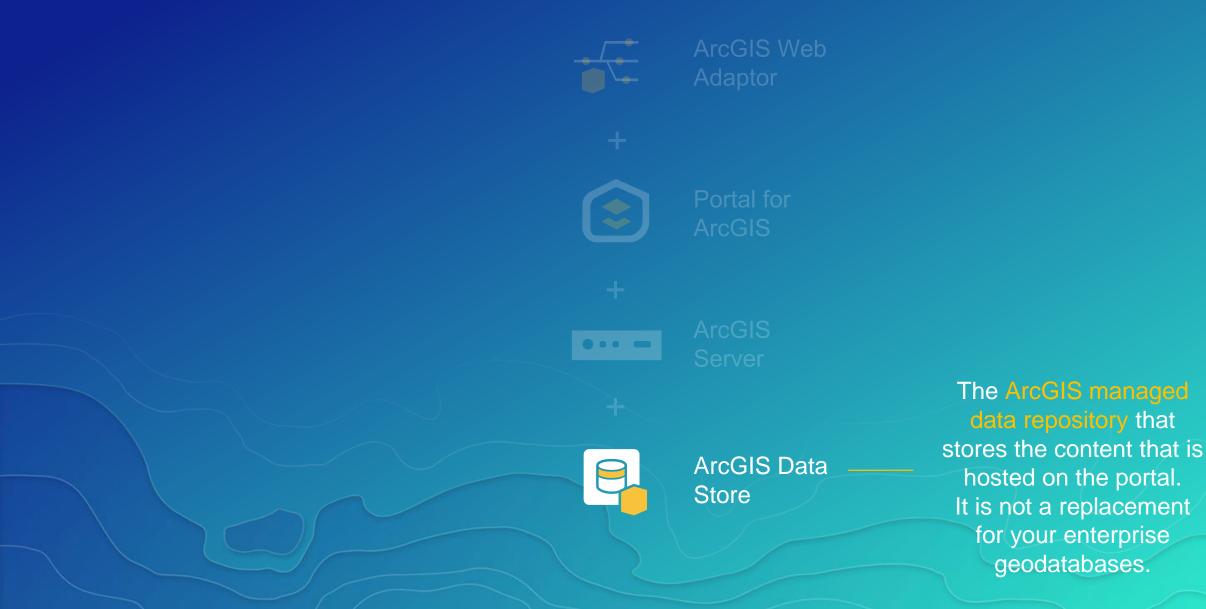
- In your own infrastructure (Software)
 - Upgraded manually (by you)
 - You control your ArcGIS Enterprise SLA

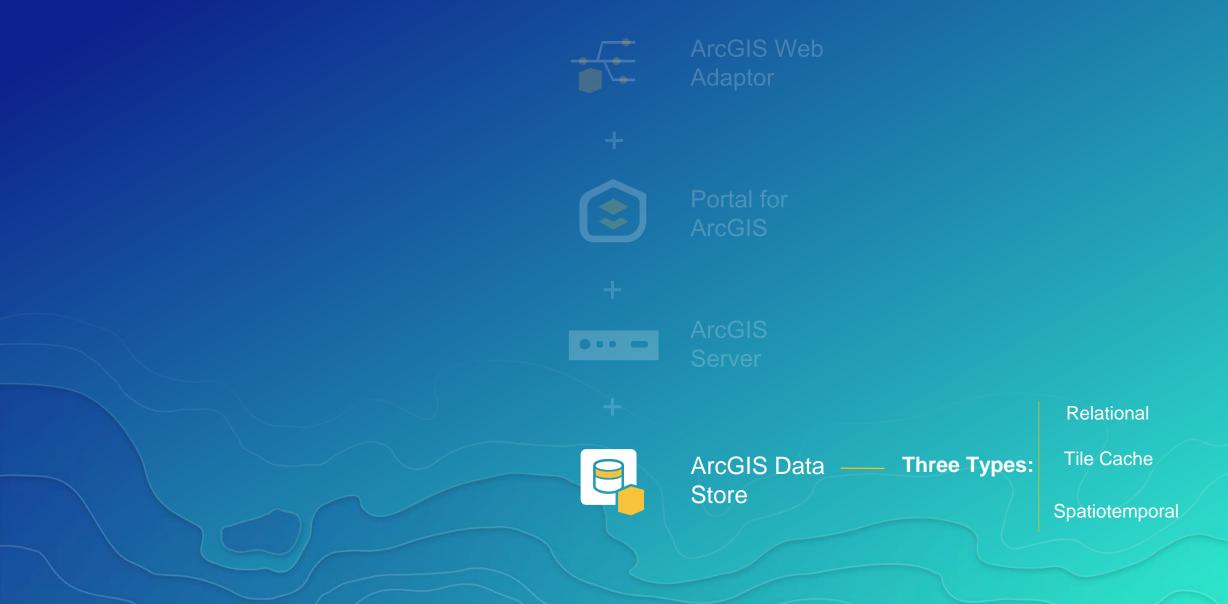


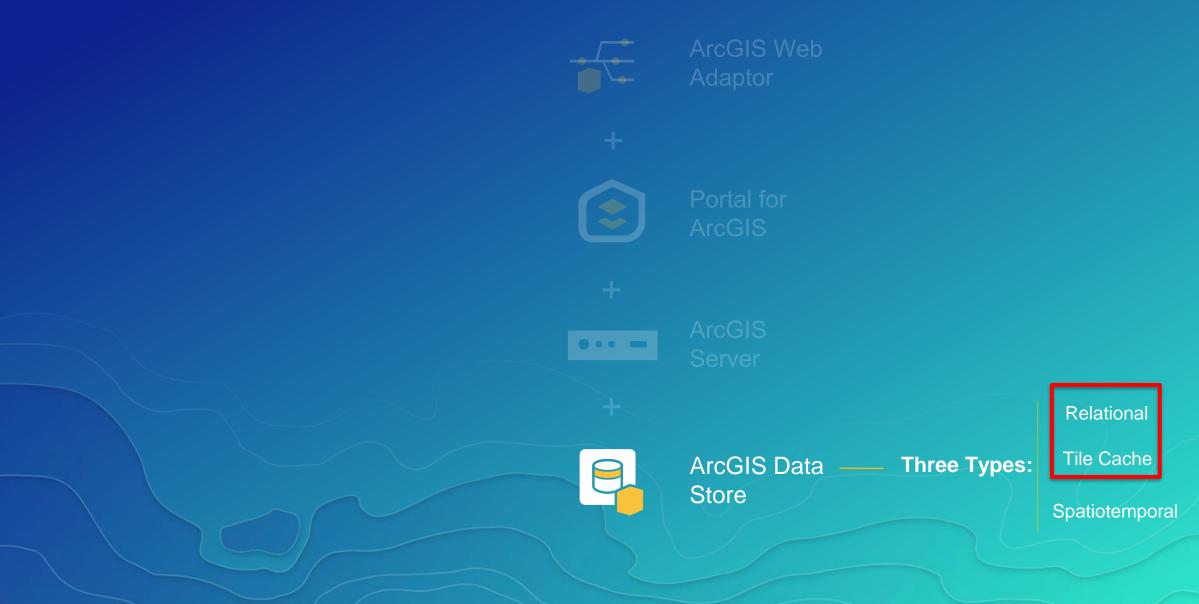




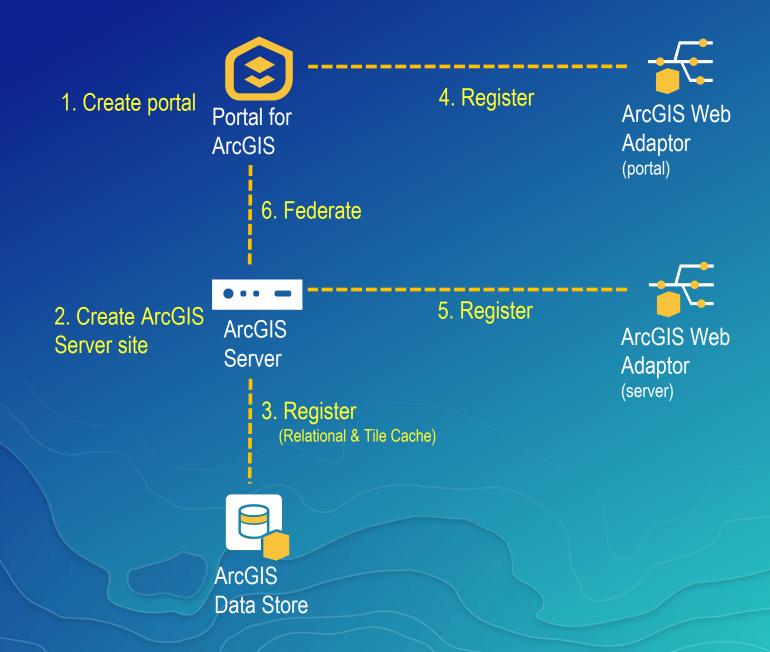








ArcGIS Enterprise | Base Deployment Overview



1. Create the portal

- 2. Create the ArcGIS Server site
- 3. Register the Data Store (Relational & Tile Cache)
- 4. Register the Web Adaptor for Portal for ArcGIS
- 5. Register the Web Adaptor for ArcGIS Server
- 6. <u>Federate</u> ArcGIS Server with Portal for ArcGIS & set as <u>Hosting Server</u>

Key ArcGIS Enterprise Concept: Federation

- Integrates security for Portal and Server
 - Portal user store controls access to the server
 - Services added as items in the portal
 - Sharing model controls access to services
 - Share with no one
 - Share with a group or the organization
 - Share with everyone

Add ArcGIS Server

Enter the URLs for accessing and administering your ArcGIS Server site. Also enter credentials for an administrator of the ArcGIS Server site.

Services URL:	
	Example: https://webadaptorhost.domain.com/webadaptorname
	Example: https://webauaptomost.domain.com/webauaptomaine
Administration URL:	
	Example: https://gisserver.domain.com:6443/arcgis
	Example: https://glaservendomainteonno-Ho/aregia
Username:	
Password:	
Passworu.	



Key ArcGIS Enterprise Concept: Hosting server

- A server that hosts content published to the portal (copying data)
 - Requires a registered relational ArcGIS Data Store
- Needed for:
 - Standard analysis and GeoAnalytics
 - Publishing hosted layers
 - Batch geocoding
 - Adding shapefiles to a map

Hosting Server



Optionally choose one of your servers to act as your portal's hosting server. Your portal members will be able to publish services to this server. ArcGIS Server's Managed Database must be configured on the site before it can be designated as the portal's hosting server.



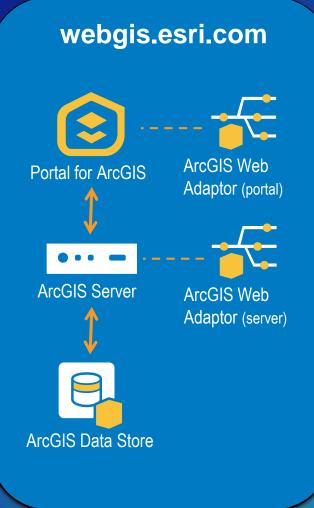
Feature Analysis - Stai

ArcGIS Enterprise Builder

- New at 10.5.1
- Simplifies the setup and configuration of a single machine ArcGIS Enterprise deployment
- Asks the minimum number of questions required to get a deployment up and running



Demo: Our setup



Portal Home Page URL: https://webgis.esri.com/portal/home/ Portaladmin URL: https://webgis.esri.com/portal/portaladmin/ Services URL: https://webgis.esri.com/server/rest Server Manager URL: https://webgis.esri.com:6443/arcgis/manager



Demo: ArcGIS Enterprise Builder

Configuring, Customizing, and Using

Recap: Customizing your portal

- Customizing the home page
 Updating the banner and background
- Updating the portal behavior
 - Configuring utility services
 - Configuring a custom basemap gallery

Customizing the portal website



Recap: Administering your portal

- Adding members
 - Built-in and enterprise users

ArcGIS Portal Directory Admin API - https://webgis.esri.com/portal/portaladmin

- Security and SSL certificates
- Portal logs

Using the ArcGIS Enterprise – connecting to the portal

- Portal home app URL: https://webgis.esri.com/portal/home
- Client apps URL: https://webgis.esri.com/portal
 - ArcGIS Pro
 - ArcMap
 - ArcGIS Maps for Office
 - Collector for ArcGIS

Resources

- Review help documentation https://server.arcgis.com/en/documentation
 - Topic "Tutorial: Set up a base ArcGIS Enterprise deployment"
 - Other subjects Pro licensing, SSL certificates, upgrading
- Technical Support https://support.esri.com
- Esri Showcase– ArcGIS Enterprise Area

Other sessions

ArcGIS Enterprise: Architecting your Deployment

- Wednesday July 12, 10:15 AM 11:30 AM
 - Hilton Bayfront Sapphire Ballroom
- And Wednesday July 12, 1:30 PM 2:45 PM
 - SDCC Room 09

ArcGIS Enterprise Security: An Introduction

- Tuesday, July 11, 10:15 AM 11:30 AM
 - SDCC Room 16 B
- And Thursday, July 13, 8:30 AM 9:45 AM
 - SDCC Room 14 A

Web GIS: Architectural Patterns and Practices

- Tuesday, July 11, 10:15 AM 11:30 AM
 - SDCC Room 04
- And Thursday, July 13, 10:15 AM 11:30 AM
 - Hilton Bayfront Sapphire Ballroom A

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Your feedback allows us to help maintain high standards and to help presenters

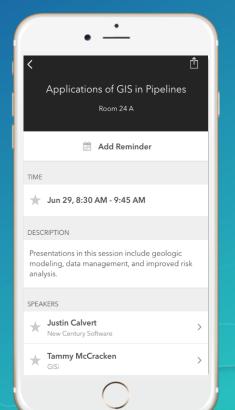
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Ba	llroom 20 A
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★ Es	ri Map Gallery
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8:3	0 AM - 9:45 AM
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Scroll down to the bottom of the session



Answer survey questions and submit

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	* = Required
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	Low 1 2 3 4 5 High
	Public Speaking Skills (*)
	Low 1 2 3 4 5 High
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