ArcGIS for Server Road Ahead

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Agenda

- Vision
- Architecture
- Installation and Configuration
- Publishing
- Functional Enhancements
- Cloud
- Q&A
Powerful GIS capabilities
Delivered as Web services
To help solve real problems by real people
Native 64-Bit
Code optimizations
Web Services

Admin REST API
Easy to install, configure and administer
Linux friendly

Pure GIS Services Server
New Architecture
Installing & Configuring
Simplified setup experience
Welcome to the ArcGIS Server 10.1 Setup program

It is strongly recommended that you exit all Windows programs before running this setup program.

Click Cancel to quit setup and close any programs you have running. Click Next to continue the installation.

WARNING: This program is protected by copyright law and international treaties.

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- Help
- Back
- Next
- Cancel
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Print
< Back Next > Cancel
Select Features

ArcGIS Server 10.1 Setup

Select features
Please select which features you would like to install.

Click on an icon in the list below to change how a feature is installed.

- GIS Server
- .NET Extension Support

Feature Description
The GIS Server hosts GIS Services that are accessible through REST and SOAP. The GIS Server includes a default Web server; it is administered using Manager and browsed using the Services Directory. This feature requires 1173MB on your hard drive. It has 1 of 1 subfeatures selected. The subfeatures require 120MB on your hard drive.

Install to:
C:\Program Files\ArcGIS\Server\

Change...
Python 2.7 and Numerical Python (numpy) 1.5.0 are required to support certain core Geoprocessing tools. It is recommended that they be installed by the ArcGIS Server 10.1 setup.

The setup will install Python 2.7 and Numerical Python (numpy) 1.5.0 in the following folder. To install into a different folder, click Browse and select another folder.

The Python 2.7 installation directory should not contain spaces. Python 2.7 and Numerical Python (numpy) 1.5.0 will need 60 MB of additional disk space to install.
Run As Account for ArcGIS Server
Run As Account for ArcGIS Server
Run As Account for ArcGIS Server

Export server configuration file

Exporting a server config file helps you with installing multiple systems that use the same server configuration. It will create the user accounts, and grant them the necessary privileges on the system based on this configuration file.

- Do not export configuration file.
- Export configuration file. This file should be placed in a properly secured directory.

Filename:

Help  < Back  Next >  Cancel
Start install

ArcGIS Server 10.1 Setup

Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

< Back  Install  Cancel
Installing ArcGIS Server 10.1

- No install dependencies
- Faster setup time
  - Cut time in half
  - Setup doesn’t change Windows Registry
- Must be 64 bit operating system
- Setup launches Software Authorization Wizard
- ArcGIS Server Manager is opened after software authorization completes
ArcGIS Server 10.1 Setup — Windows

ArcGIS Server 10.1 has been successfully installed.

Click the Finish button to exit this installation.
Software Authorization
Software Authorization

Congratulations, your software has been authorized and is now ready for use.
Single-machine Site

Manager

GIS Server

Config Store  Svr Directories

ArcGIS for Server Site
New Publishing Experience
Functional enhancements

- Feature Services
- Enhanced Map Service
- Web printing
- WMT-S, WPS
  Better caching tools
  Image mensuration...
Export Web Map
On-demand high quality printing

DEMO
Feature Services
Ownership based data access
Edit Named Version
Roll-back on failure
Other feature enhancements

Schematics
Geometric Network Tracing
Other Feature Enhancements

- OGC support: WMTS and WPS
- Caching tools for Image Services
- Geometry Service: Geodesic buffer, Datum Transformations
- Feature Service: Apply edits for many layers at once
Spatial Data Server

Lightweight REST GIS Web Services

for spatially aware databases

Your Database ➔ Feature Service ➔ Your business data ➔ Any client ➔ Online Base maps ➔ ArcGIS Online
• Enhanced **Amazon** support
  • Linux, Async GP, Caching, Publishing, Launching
• Support for **Azure**
• Private Clouds
  • Cloud burst
  • VM Ware
ArcGIS Server Cloud Builder
Creating ArcGIS Server Sites on Amazon