Esri International User Conference | San Diego, CA

Technical Workshops |

ArcGIS for Server Road Ahead

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Agenda

- Vision
- Architecture
- Installation and Configuration
- Publishing
- Functional Enhancements
- Cloud
- Q&A

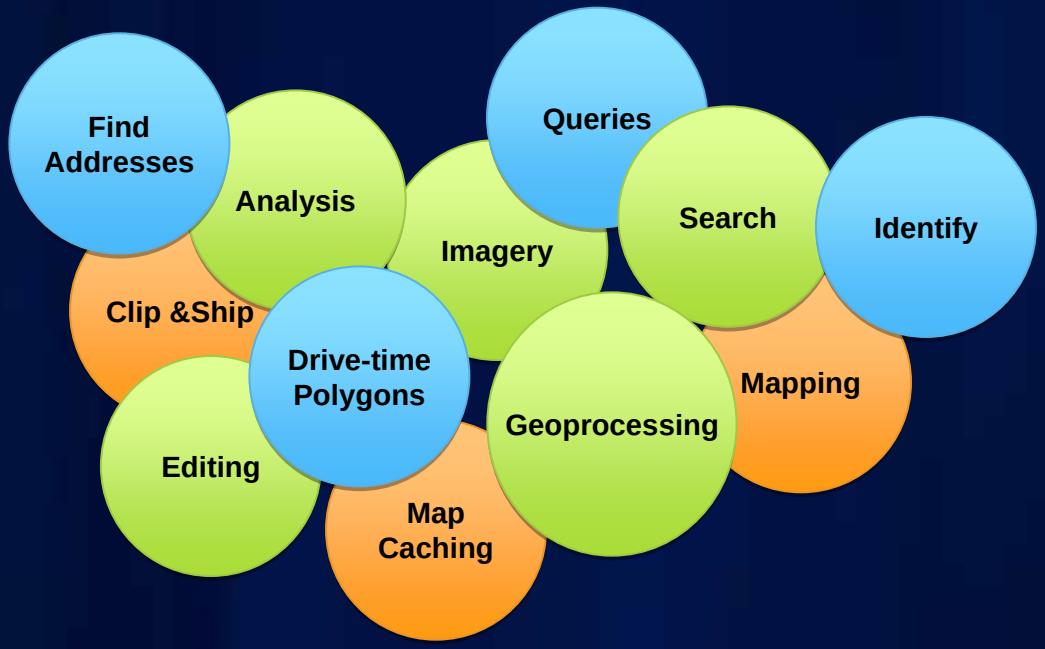
Vision

Powerful GIS capabilities

Delivered as Web services

To help solve real problems by real people

Faster



Native 64-Bit

Code optimizations

Simpler

Web Services

REST

SOAP **OGC**

GIS Server

Pure GIS Services Server

New Architecture

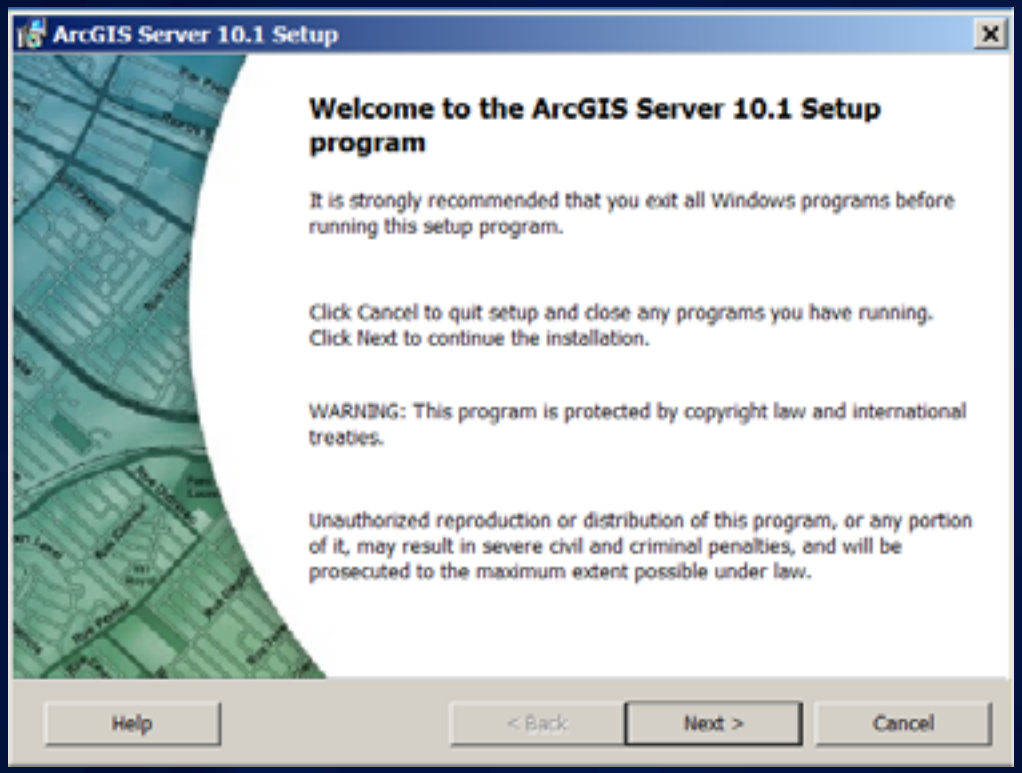
Admin REST API
Easy to install, configure and administer
Linux friendly

Installing & Configuring

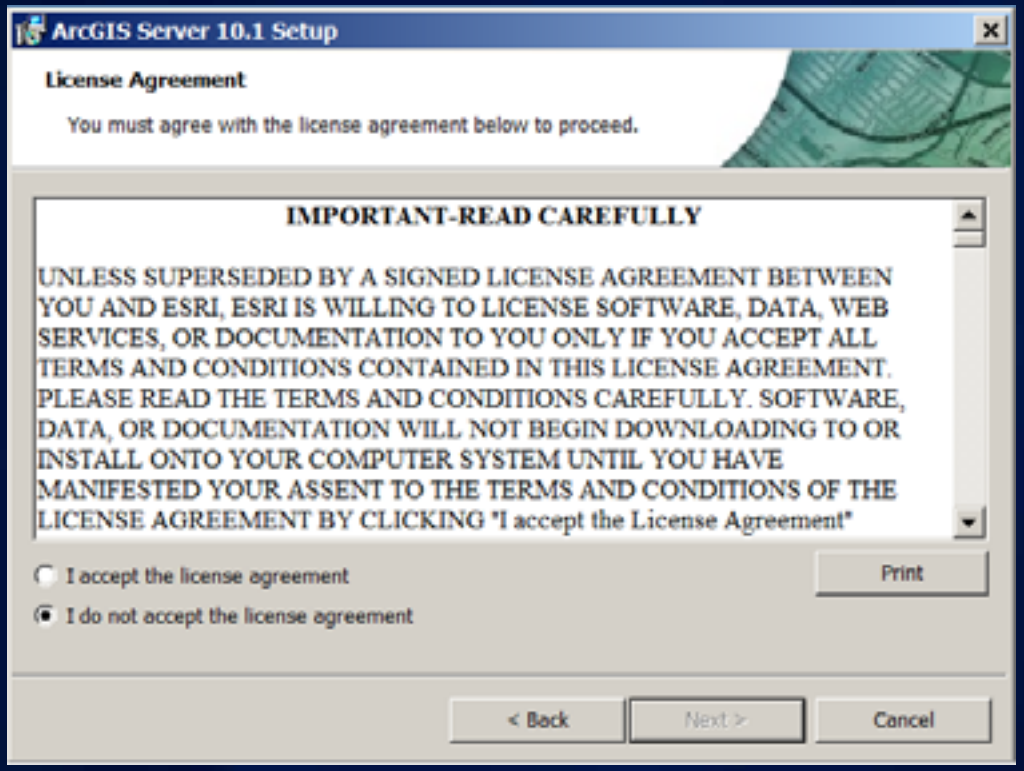
Simplified setup experience

DEMO

ArcGIS Server 10.1 Setup — Windows

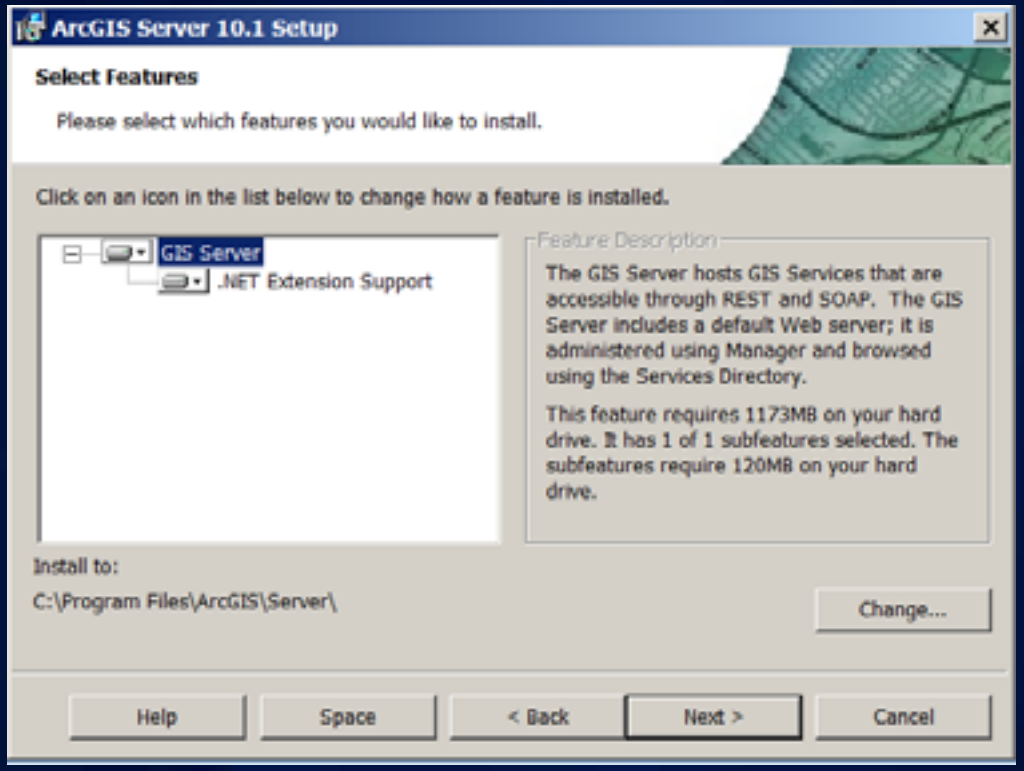


License Agreement

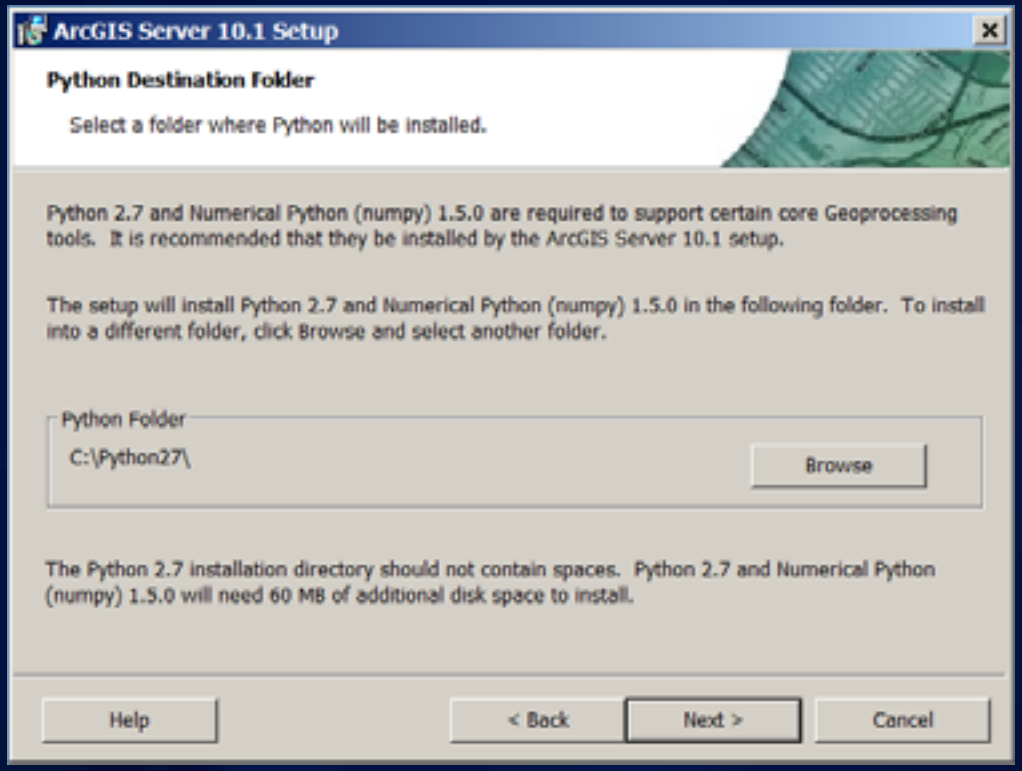


License Agreement

Select Features

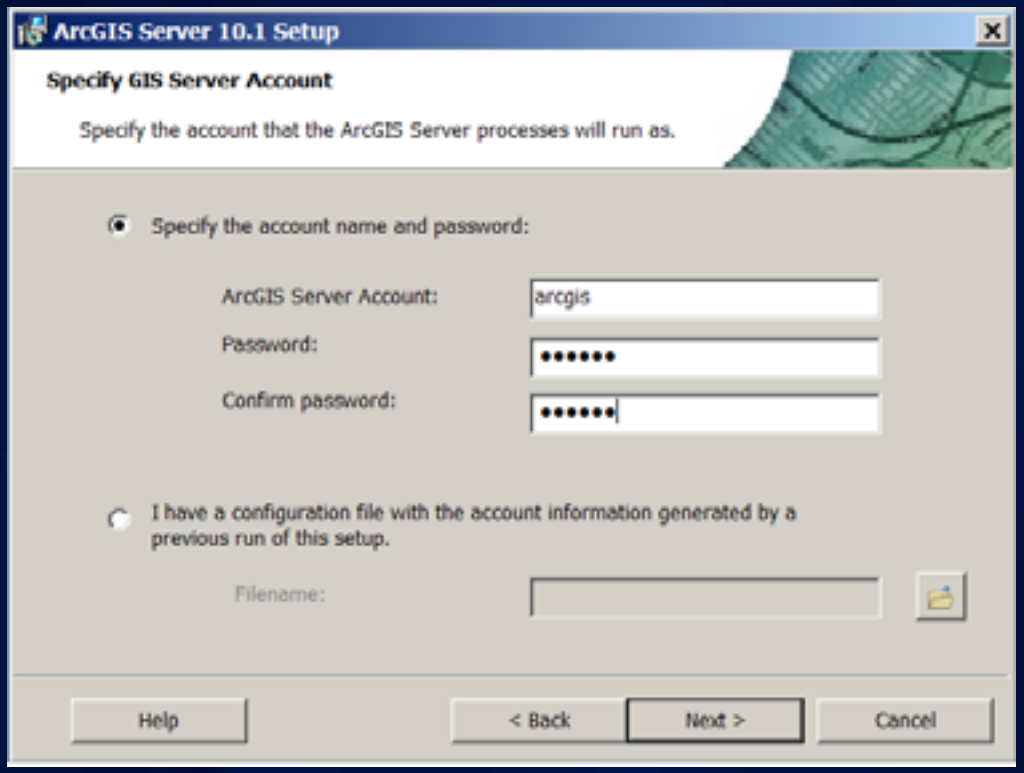


Python

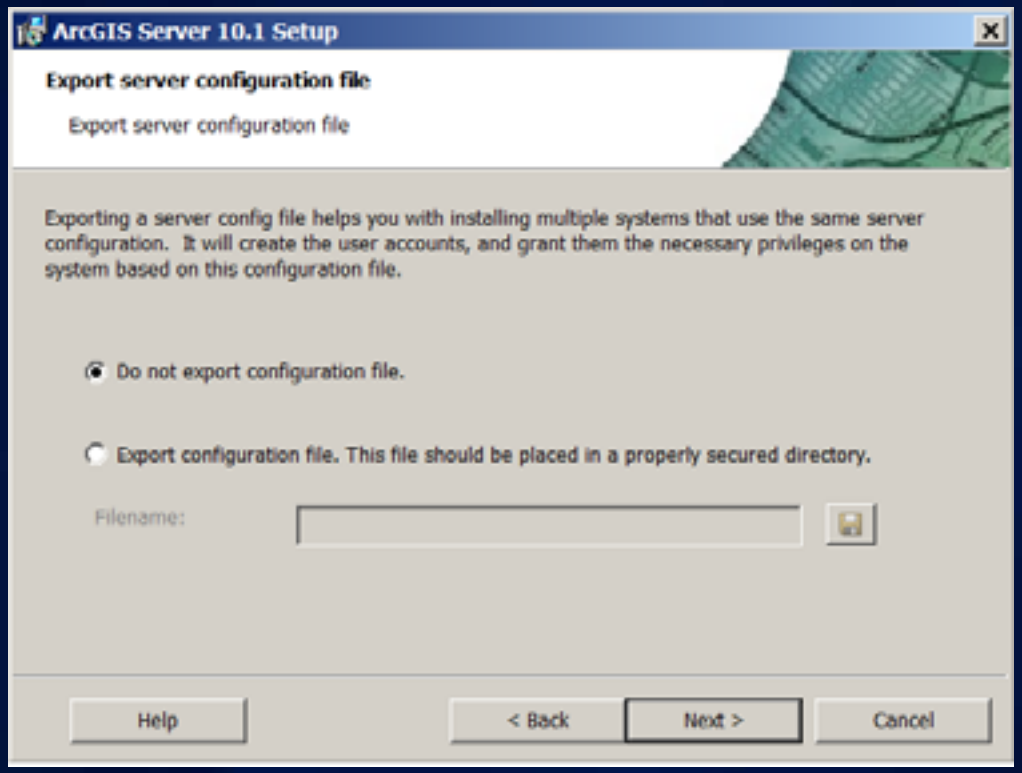

ArcGIS Server 10.1 Setup
Python Destination Folder
Select a folder where Python will be installed.
Python 2.7 and Numerical Python (numpy) 1.5.0 are required to support certain core Geoprocessing tools. It is recommended that they be installed by the ArcGIS Server 10.1 setup.
The setup will install Python 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.
Python Folder
C:\Python27\
Browse
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.
Help
< Back
Next >
Cancel

Run As Account for ArcGIS Server

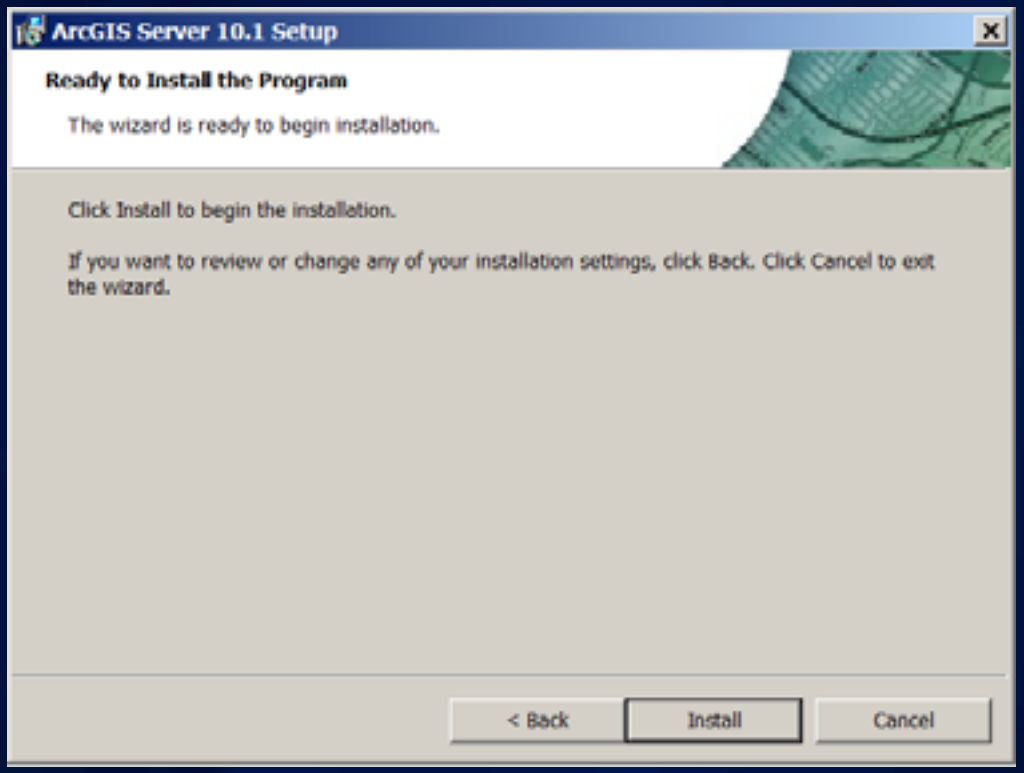
Run As Account for ArcGIS Server



Run As Account for ArcGIS Server



Start install

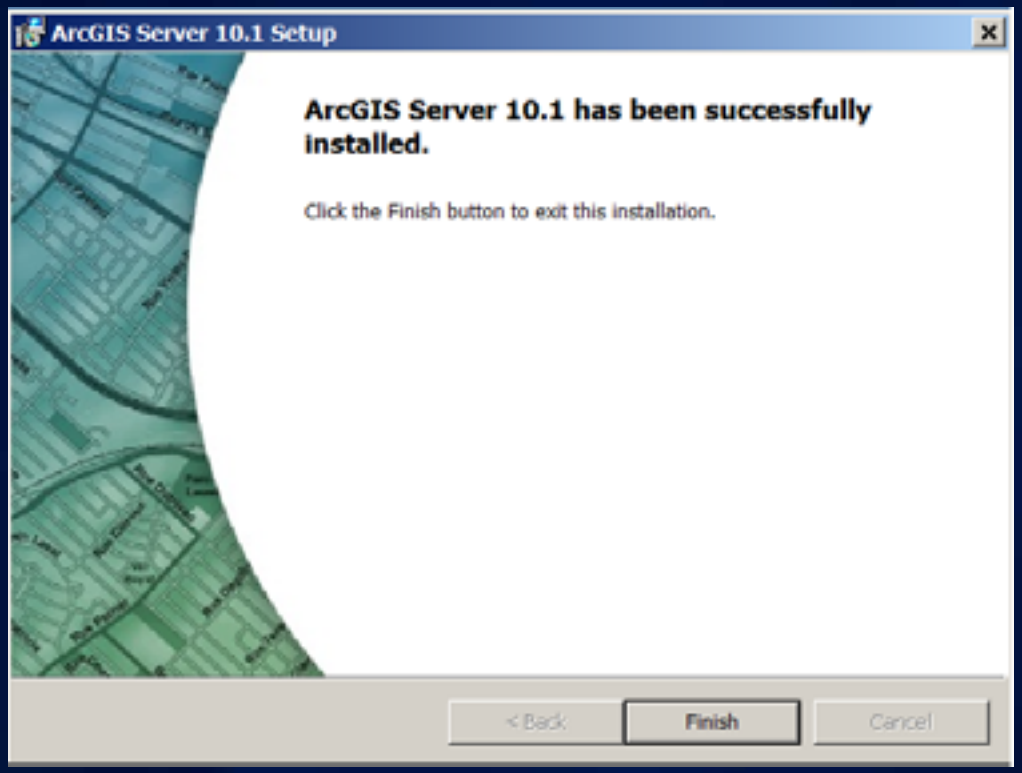


Installing ArcGIS Server 10.1

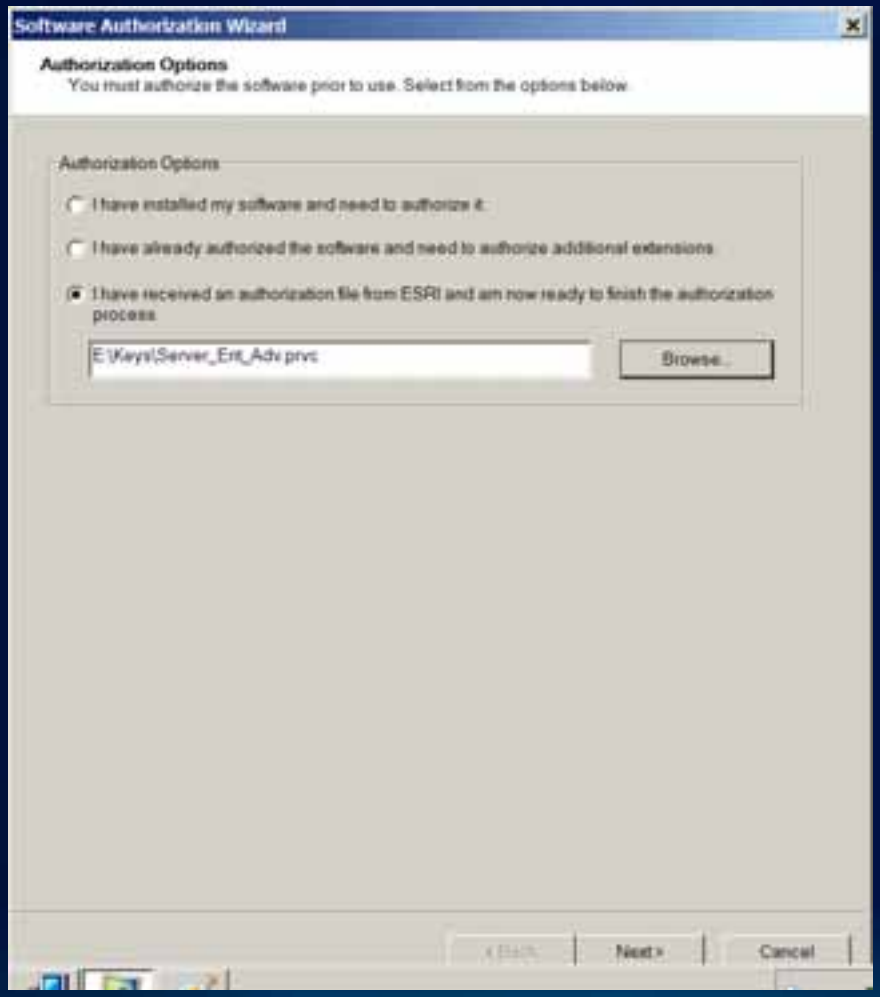
- No install dependencies
- Faster setup time
  - Cut time in half
  - Setup doesn’t change Windows Registry
- Must be 64 bit operating system

- Setup launches Software Authorization Wizard
- ArcGIS Server Manager is opened after software authorization completes

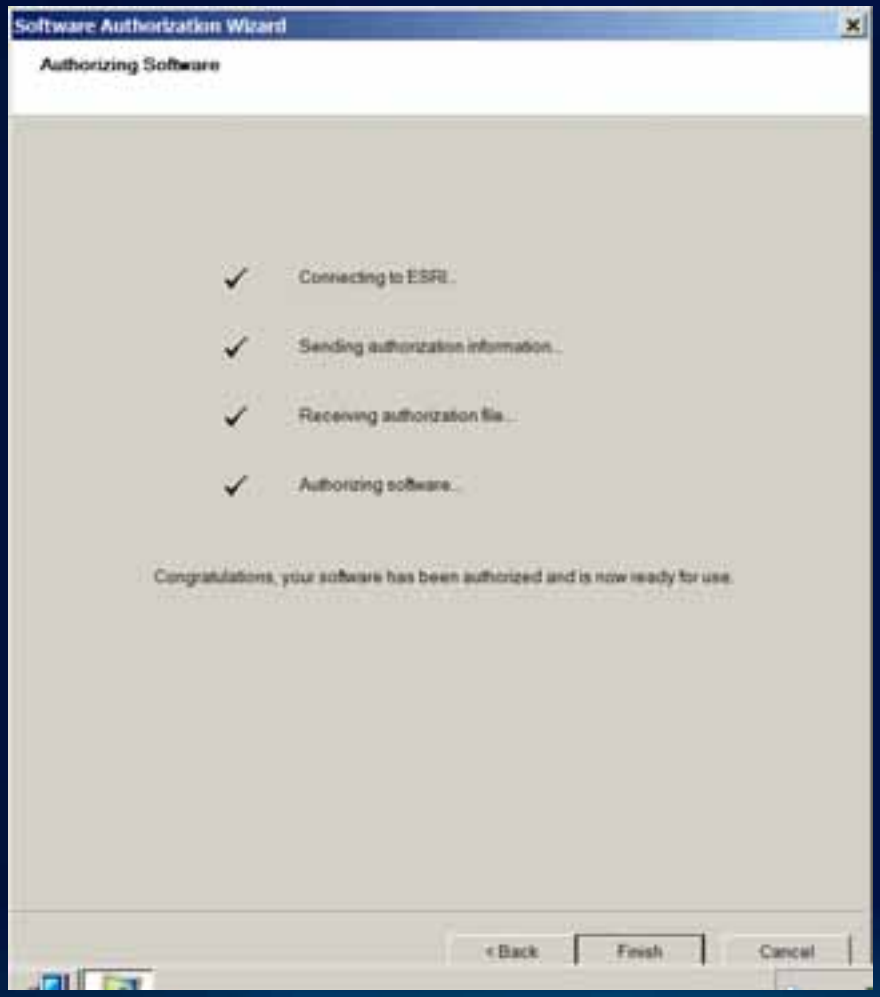
ArcGIS Server 10.1 Setup — Windows



Software Authorization

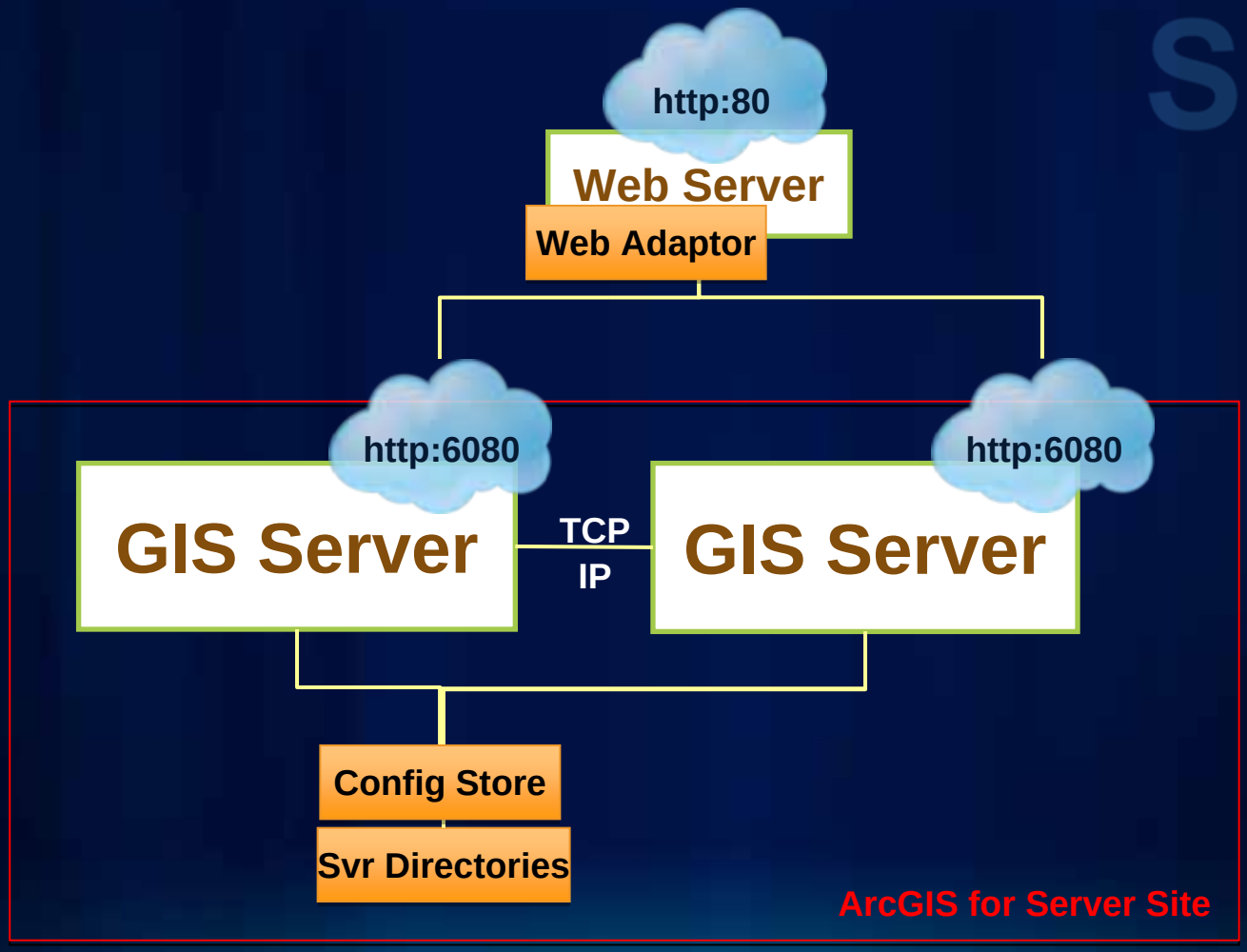


Software Authorization



Single-machine Site

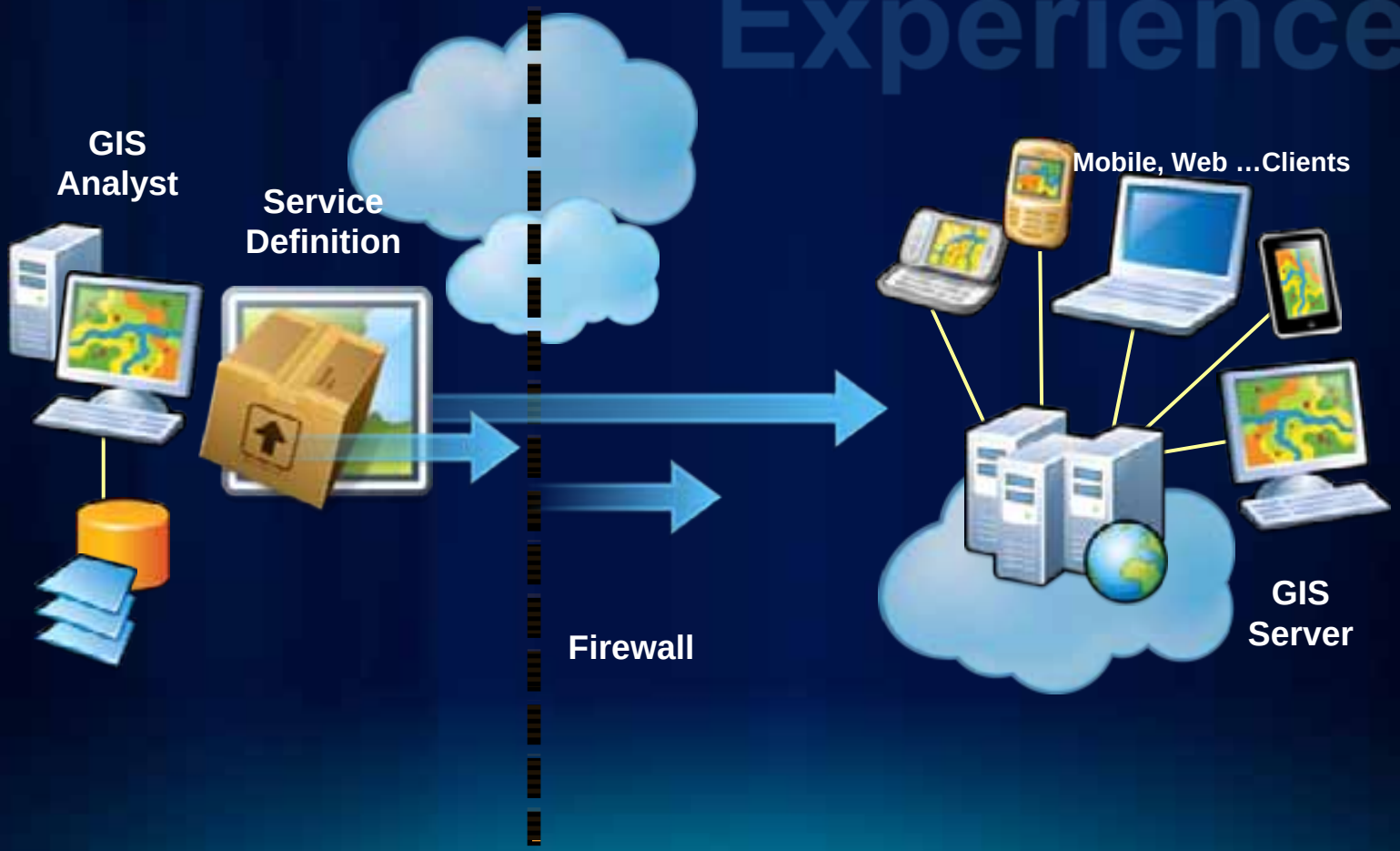
Multi-machine Site



New Publishing Experience

DEMO

New Publishing Experience



Functional enhancements

Feature Services

Web printing

Enhanced Map Service

WMT-S, WPS
Better caching tools
Image mensuration…

Map Services

Dynamic Layers

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Export Web Map

On-demand high quality printing

DEMO

Feature Services

Ownership based data access

Edit Named Version

Roll-back on failure

DEMO

Other feature enhancements

Schematics

Geometric Network Tracing

DEMO

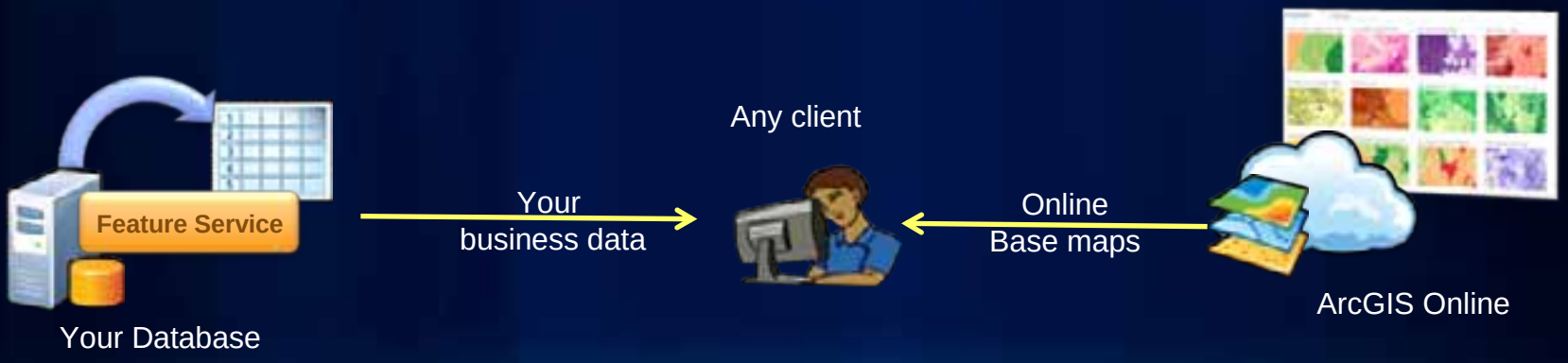
Other Feature Enhancements

- **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



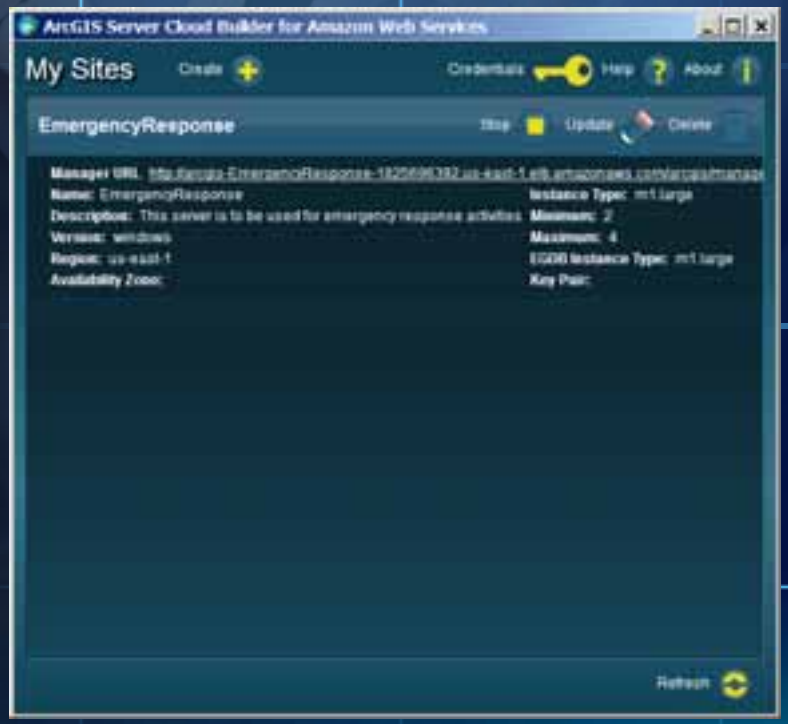
Cloud

- Enhanced Amazon support
  - Linux, Async GP, Caching, Publishing, Launching
  -
- Support for Azure

- Private Clouds
  - Cloud burst
  - VM Ware

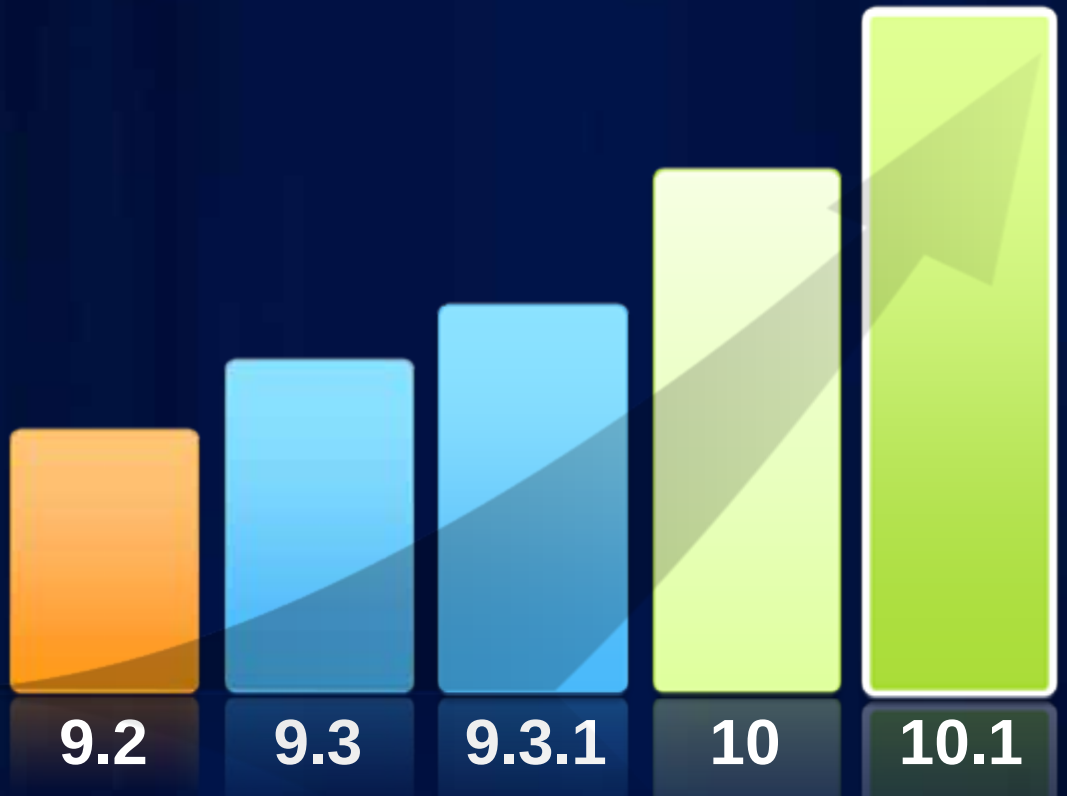
ArcGIS Server Cloud Builder

Creating ArcGIS Server Sites on Amazon



DEMO

ArcGIS 10.1 Server



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