Windows Server® 2016

Server Manager ‣ **Dashboard**

- **Dashboard**
- Local Server
- All Servers

WELCOME TO SERVER MANAGER

QUICK START

WHAT'S NEW

LEARN MORE

1 Configure this local server

2 Add roles and features

3 Add other servers to manage

4 Create a server group

5 Connect this server to cloud services

ROLES AND SERVER GROUPS
Roles: 0 | Server groups: 1 | Servers total: 1

Local Server	1
Manageability	
Events	
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BPA results	

All Servers	1
Manageability	
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Add Roles and Features Wizard

Before you begin

DESTINATION SERVER
EC2AMAZ-EUN1E3D

- Before You Begin
- Installation Type
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This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.

To remove roles, role services, or features:
Start the Remove Roles and Features Wizard

Before you continue, verify that the following tasks have been completed:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The most current security updates from Windows Update are installed

If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

☐ Skip this page by default

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Add Roles and Features Wizard

Select installation type

DESTINATION SERVER
EC2AMAZ-EUN1E3D

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Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).

◉ **Role-based or feature-based installation**
Configure a single server by adding roles, role services, and features.

○ **Remote Desktop Services installation**
Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.

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Add Roles and Features Wizard — □ ✕

Select server roles

DESTINATION SERVER
EC2AMAZ-EUN1E3D

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Select one or more roles to install on the selected server.

Roles

- ☐ Active Directory Certificate Services
- ☐ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ▲ ☑ File and Storage Services (1 of 12 installed)
  - ▷ ☑ File and iSCSI Services
  - ☑ Storage Services (Installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ MultiPoint Services
- ☐ Network Controller
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☑ Web Server (IIS)
- ☐ Windows Deployment Services
- ☐ Windows Server Essentials Experience
- ☐ Windows Server Update Services

Description

File and Storage Services includes services that are always installed, as well as functionality that you can install to help manage file servers and storage.

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Select one or more features to install on the selected server.

Features

- ▲ ☑ .NET Framework 3.5 Features
  - ☑ .NET Framework 3.5 (includes .NET 2.0 and 3.0)
  - ☑ HTTP Activation
  - ☑ Non-HTTP Activation
- ▲ ☑ .NET Framework 4.6 Features (2 of 7 installed)
  - ☑ .NET Framework 4.6 (Installed)
  - ☑ ASP.NET 4.6
  - ▲ ☑ WCF Services (1 of 5 installed)
    - ☐ HTTP Activation
    - ☐ Message Queuing (MSMQ) Activation
    - ☐ Named Pipe Activation
    - ☐ TCP Activation
    - ☑ TCP Port Sharing (Installed)
- ▷ ☐ Background Intelligent Transfer Service (BITS)
- ☐ BitLocker Drive Encryption
- ☐ BitLocker Network Unlock
- ☐ BranchCache
- ☐ Client for NFS
- ☐ Containers
- ☐ Data Center Bridging
- ☐ Direct Play
- ☐ Enhanced Storage
- ☐ Failover Clustering
- ☐ Group Policy Management
- ☐ Host Guardian Hyper-V Support
- ☐ I/O Quality of Service
- ☑ IIS Hostable Web Core
- ☐ Internet Printing Client
- ☐ IP Address Management (IPAM) Server
- ☐ iSNS Server service
- ☐ LPR Port Monitor
- ☐ Management OData IIS Extension
- ☐ Media Foundation
- ▷ ☐ Message Queuing
- ☐ Multipath I/O
- ▷ ☐ MultiPoint Connector
- ☐ Network Load Balancing
- ☐ Peer Name Resolution Protocol
- ☐ Quality Windows Audio Video Experience
- ☐ RAS Connection Manager Administration Kit (CMAK)
- ☐ Remote Assistance
- ☐ Remote Differential Compression
- ▷ ☐ Remote Server Administration Tools
- ☐ RPC over HTTP Proxy
- ☐ Setup and Boot Event Collection
- ☐ Simple TCP/IP Services
- ☑ SMB 1.0/CIFS File Sharing Support (Installed)
- ☐ SMB Bandwidth Limit
- ☐ SMTP Server
- ▷ ☐ SNMP Service

Description

Windows PowerShell enables you to automate local and remote Windows administration. This task-based command-line shell and scripting language is built on the Microsoft .NET Framework. It includes hundreds of built-in commands and lets you write and distribute your own commands and scripts.

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Select one or more features to install on the selected server.

Features

- [ ] Internet Printing Client
- [ ] IP Address Management (IPAM) Server
- [ ] iSNS Server service
- [ ] LPR Port Monitor
- [ ] Management OData IIS Extension
- [ ] Media Foundation
  - ▷ [ ] Message Queuing
- [ ] Multipath I/O
  - ▷ [ ] MultiPoint Connector
- [ ] Network Load Balancing
- [ ] Peer Name Resolution Protocol
- [ ] Quality Windows Audio Video Experience
- [ ] RAS Connection Manager Administration Kit (CMAK)
- [ ] Remote Assistance
- [ ] Remote Differential Compression
  - ▷ [ ] Remote Server Administration Tools
- [ ] RPC over HTTP Proxy
- [ ] Setup and Boot Event Collection
- [ ] Simple TCP/IP Services
- [x] SMB 1.0/CIFS File Sharing Support (Installed)
- [ ] SMB Bandwidth Limit
- [ ] SMTP Server
  - ▷ [ ] SNMP Service
- [ ] Software Load Balancer
- [ ] Storage Replica
- [ ] Telnet Client
- [ ] TFTP Client
- [ ] VM Shielding Tools for Fabric Management
- [ ] WebDAV Redirector
- [ ] Windows Biometric Framework
- ▲ [x] Windows Defender Features (Installed)
  - [x] Windows Defender (Installed)
  - [x] GUI for Windows Defender (Installed)
- [ ] Windows Identity Foundation 3.5
- [ ] Windows Internal Database
  - ▷ [■] Windows PowerShell (2 of 5 installed)
- ▲ [x] Windows Process Activation Service
  - [x] Process Model
  - [x] .NET Environment 3.5
  - [x] Configuration APIs
- [ ] Windows Search Service
- [ ] Windows Server Backup
- [ ] Windows Server Migration Tools
- [ ] Windows Standards-Based Storage Management
- [ ] Windows TIFF IFilter
- [ ] WinRM IIS Extension
- [ ] WINS Server
- [ ] Wireless LAN Service
- [x] WoW64 Support (Installed)
- [ ] XPS Viewer

Description

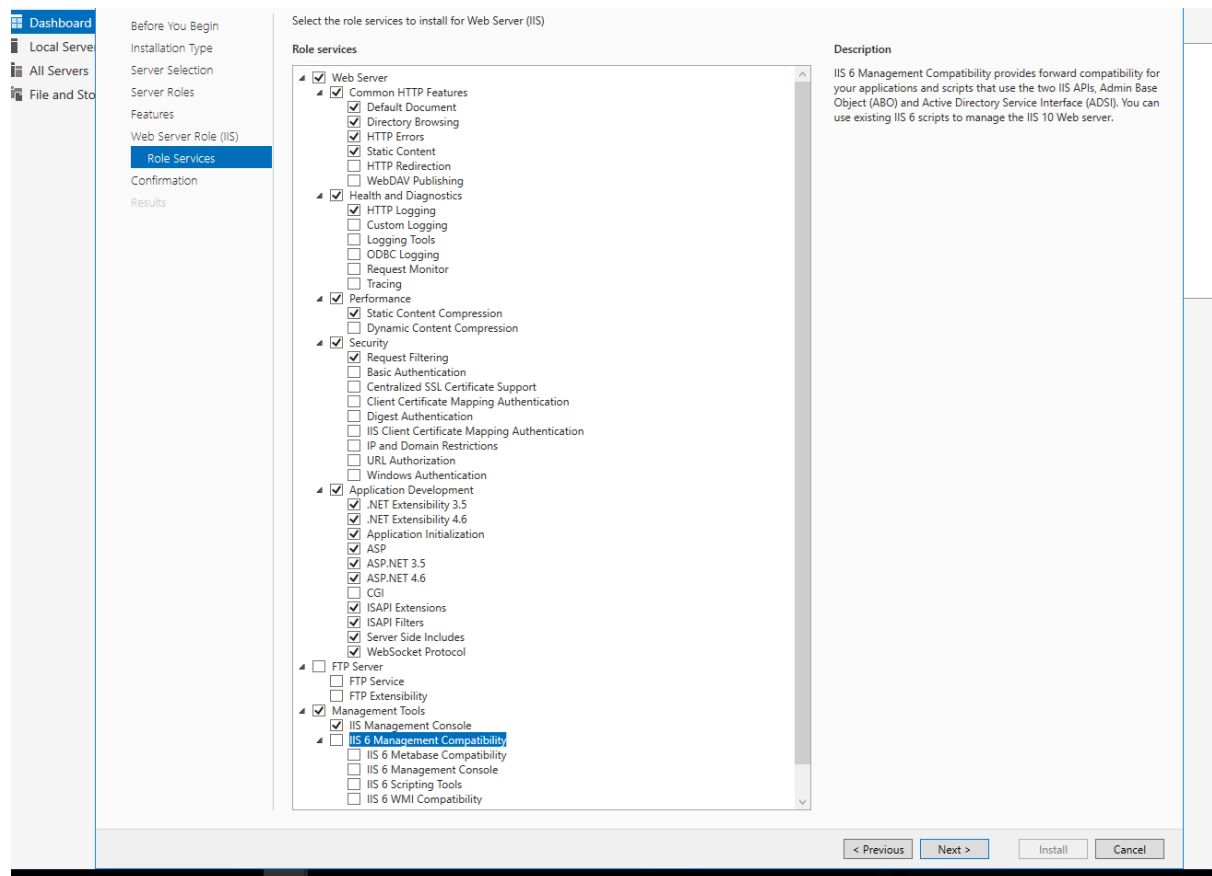Windows Process Activation Service generalizes the IIS process model, removing the dependency on HTTP. All the features of IIS that were previously available only to HTTP applications are now available to applications hosting Windows Communication Foundation (WCF) services, using non-HTTP protocols. IIS 10.0 also uses Windows Process Activation Service for message-based activation over HTTP.

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Select the role services to install for Web Server (IIS)

Role services

- ▲ ☑ Web Server
  - ▲ ☑ Common HTTP Features
    - ☑ Default Document
    - ☑ Directory Browsing
    - ☑ HTTP Errors
    - ☑ Static Content
    - ☐ HTTP Redirection
    - ☐ WebDAV Publishing
  - ▲ ☑ Health and Diagnostics
    - ☑ HTTP Logging
    - ☐ Custom Logging
    - ☐ Logging Tools
    - ☐ ODBC Logging
    - ☐ Request Monitor
    - ☐ Tracing
  - ▲ ☑ Performance
    - ☑ Static Content Compression
    - ☐ Dynamic Content Compression
  - ▲ ☑ Security
    - ☑ Request Filtering
    - ☐ Basic Authentication
    - ☐ Centralized SSL Certificate Support
    - ☐ Client Certificate Mapping Authentication
    - ☐ Digest Authentication
    - ☐ IIS Client Certificate Mapping Authentication
    - ☐ IP and Domain Restrictions
    - ☐ URL Authorization
    - ☐ Windows Authentication
  - ▲ ☑ Application Development
    - ☑ .NET Extensibility 3.5
    - ☑ .NET Extensibility 4.6
    - ☑ Application Initialization
    - ☑ ASP
    - ☑ ASP.NET 3.5
    - ☑ ASP.NET 4.6
    - ☐ CGI
    - ☑ ISAPI Extensions
    - ☑ ISAPI Filters
    - ☑ Server Side Includes
    - ☑ WebSocket Protocol
- ▲ ☐ FTP Server
  - ☐ FTP Service
  - ☐ FTP Extensibility
- ▲ ☑ Management Tools
  - ☑ IIS Management Console
  - ▲ ☐ IIS 6 Management Compatibility
    - ☐ IIS 6 Metabase Compatibility
    - ☐ IIS 6 Management Console
    - ☐ IIS 6 Scripting Tools
    - ☐ IIS 6 WMI Compatibility

Description

IIS 6 Management Compatibility provides forward compatibility for your applications and scripts that use the two IIS APIs, Admin Base Object (ABO) and Active Directory Service Interface (ADSI). You can use existing IIS 6 scripts to manage the IIS 10 Web server.

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Add Roles and Features Wizard

Installation progress

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ℹ Feature installation

Installation succeeded on EC2AMAZ-EUN1E3D.

.NET Framework 3.5 (includes .NET 2.0 and 3.0)
.NET Framework 4.6 Features
    ASP.NET 4.6
IIS Hostable Web Core
Web Server (IIS)
    Web Server
        Common HTTP Features
            Static Content
            Default Document
            Directory Browsing
            HTTP Errors
        Security
            Request Filtering
        Application Development
            WebSocket Protocol
            Application Initialization
            .NET Extensibility 3.5
            .NET Extensibility 4.6
            ISAPI Extensions
            ISAPI Filters
            ASP.NET 3.5
            ASP.NET 4.6
            ASP
            Server Side Includes
        Health and Diagnostics
            HTTP Logging
        Performance
            Static Content Compression
    Management Tools
        IIS Management Console
Windows Process Activation Service
    Process Model
    .NET Environment 3.5
    Configuration APIs

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.