Installing the Hyper-v Role

Server 2012r2

Server Manager

Manage   Tools   View   Help

Add Roles and Features

Remove Roles and Features

Add Servers

Create Server Group

Server Manager Properties

Dashboard

Local Server

All Servers

AD CS

AD DS

AD RMS

DHCP

DNS

File and Storage Services ▷

IIS

NAP

WELCOME TO SERVER MANAGER

QUICK START

WHAT'S NEW

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

Hide

Add Roles and Features Wizard

Before you begin

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

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:
Remove Roles and Features Wizard

Select destination server

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

< Previous   Next >   Install   Cancel

Performance   Performance   BPA results

Add Roles and Features Wizard

Select installation type

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

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.

< Previous | Next > | Install | Cancel

Add Roles and Features Wizard

Select destination server

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select a server or a virtual hard disk on which to install roles and features.

◉ Select a server from the server pool

◯ Select a virtual hard disk

Server Pool

Filter:

Name	IP Address	Operating System
testserver.testserver.com	192.168.2.4,19...	Microsoft Windows Server 2012 R2 Standard

1 Computer(s) found

This page shows servers that are running Windows Server 2012, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.

< Previous   Next >   Install   Cancel

Add Roles and Features Wizard

Select server roles

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

Roles

▷	☑ Active Directory Certificate Services (Installed)
	☑ Active Directory Domain Services (Installed)
	☐ Active Directory Federation Services
	☐ Active Directory Lightweight Directory Services
▷	◼ Active Directory Rights Management Services (1 o
	☐ Application Server
	☑ DHCP Server (Installed)
	☑ DNS Server (Installed)
	☐ Fax Server
▷	◼ File and Storage Services (8 of 12 installed)
	☐ **Hyper-V**
▷	☑ Network Policy and Access Services (Installed)
▷	◼ Print and Document Services (3 of 4 installed)
▷	☑ Remote Access (Installed)

Description

Hyper-V provides the services that you can use to create and manage virtual machines and their resources. Each virtual machine is a virtualized computer system that operates in an isolated execution environment. This allows you to run multiple operating systems simultaneously.

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

< Previous   Next >   Install   Cancel

Select server roles

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Hyper-V
    Virtual Switches
    Migration
    Default Stores
Confirmation
Results

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

Roles

- ☑ Active Directory Certificate Services (Installed)
- ☑ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ▣ Active Directory Rights Management Services (1 o
- ☐ Application Server
- ☑ DHCP Server (Installed)
- ☑ DNS Server (Installed)
- ☐ Fax Server
- ▣ File and Storage Services (8 of 12 installed)
- ☑ **Hyper-V**
- ☑ Network Policy and Access Services (Installed)
- ▣ Print and Document Services (3 of 4 installed)
- ☑ Remote Access (Installed)

Description

Hyper-V provides the services that you can use to create and manage virtual machines and their resources. Each virtual machine is a virtualized computer system that operates in an isolated execution environment. This allows you to run multiple operating systems simultaneously.

< Previous   Next >   Install   Cancel

Add Roles and Features Wizard

Select features

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Hyper-V
   Virtual Switches
   Migration
   Default Stores
Confirmation
Results

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

Features

- ▷ ☑ .NET Framework 3.5 Features (1 of 3 installed)
- ▷ ☑ .NET Framework 4.5 Features (4 of 7 installed)
- ▷ ☐ Background Intelligent Transfer Service (BITS)
- ☐ BitLocker Drive Encryption
- ☐ BitLocker Network Unlock
- ☐ BranchCache
- ☐ Client for NFS
- ☐ Data Center Bridging
- ☐ Direct Play
- ☐ Enhanced Storage
- ☑ Failover Clustering (Installed)
- ☑ Group Policy Management (Installed)
- ☑ IIS Hostable Web Core (Installed)
- ☑ Ink and Handwriting Services (Installed)

Description

.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.

< Previous   Next >   Install   Cancel

Hyper-V

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Hyper-V
   Virtual Switches
   Migration
   Default Stores
Confirmation
Results

Hyper-V allows you to virtualize your server workloads by running those workloads on virtual machines. You can use virtual machines to consolidate multiple workloads on one physical server, to improve server availability, and to increase efficiency in developing and testing software.

Things to note:

* Before you install this role, you should identify which network connections on this server you want to use for setting up virtual switches.

* After you install Hyper-V, you can use Hyper-V Manager to create and configure your virtual machines.

More information about Hyper-V

< Previous   Next >   Install   Cancel

Add Roles and Features Wizard

Create Virtual Switches

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Hyper-V
  - **Virtual Switches**
  - Migration
  - Default Stores
- Confirmation
- Results

Virtual machines require virtual switches to communicate with other computers. After you install this role, you can create virtual machines and attach them to a virtual switch.

One virtual switch will be created for each network adapter you select. We recommend that you create at least one virtual switch now to provide virtual machines with connectivity to a physical network. You can add, remove, and modify your virtual switches later by using the Virtual Switch Manager.

Network adapters:

Name	Description
☑ Ethernet	Broadcom NetLink (TM) Gigabit Ethernet
☐ Wi-Fi	Qualcomm Atheros AR5B125 Wireless Network Adapter

ⓘ We recommend that you reserve one network adapter for remote access to this server. To reserve a network adapter, do not select it for use with a virtual switch.

< Previous   Next >   Install   Cancel

Virtual Machine Migration

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Hyper-V

  Virtual Switches

  Migration

  Default Stores

Confirmation

Results

Hyper-V can be configured to send and receive live migrations of virtual machines on this server. Configuring Hyper-V now enables any available network on this server to be used for live migrations. If you want to dedicate specific networks for live migration, use Hyper-V settings after you install the role.

☑ Allow this server to send and receive live migrations of virtual machines

─ Authentication protocol ──────────────────────────────────

Select the protocol you want to use to authenticate live migrations.

◉ Use Credential Security Support Provider (CredSSP)
This protocol is less secure than Kerberos, but does not require you to set up constrained delegation. To perform a live migration, you must be logged on to the source server.

○ Use Kerberos
This protocol is more secure but requires you to set up constrained delegation in your environment to perform tasks such as live migration when managing this server remotely.

⚠ If this server will be part of a cluster, do not enable migration now. Instead, you will configure the server for live migration, including specifying networks, when you create the cluster.

< Previous   Next >   Install   Cancel

Default Stores

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Hyper-V

   Virtual Switches

   Migration

   Default Stores

Confirmation

Results

Hyper-V uses default locations to store virtual hard disk files and virtual machine configuration files, unless you specify different locations when you create the files. You can change these default locations now, or you can change them later by modifying Hyper-V settings.

Default location for virtual hard disk files:

`F:\Users\Public\Documents\Hyper-V\Virtual Hard Disks`   Browse...

Default location for virtual machine configuration files:

`F:\ProgramData\Microsoft\Windows\Hyper-V`   Browse...

< Previous   Next >   Install   Cancel

Add Roles and Features Wizard

Add Roles and Features Wizard

Confirm installation selections

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Hyper-V

Virtual Switches

Migration

Default Stores

Confirmation

Results

To install the following roles, role services, or features on selected server, click Install.

☐ Restart the destination server automatically if required

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

Hyper-V

Remote Server Administration Tools

Role Administration Tools

Hyper-V Management Tools

Hyper-V Module for Windows PowerShell

Hyper-V GUI Management Tools

Export configuration settings
Specify an alternate source path

< Previous   Next >   Install   Cancel

Add Roles and Features Wizard

Installation progress

View installation progress

⚠️ Feature installation

A restart is pending on testserver.testserver.com. You must restart the destination server to finish the installation.

Hyper-V
Remote Server Administration Tools
    Role Administration Tools
        Hyper-V Management Tools
            Hyper-V Module for Windows PowerShell
            Hyper-V GUI Management Tools

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.

Export configuration settings

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Hyper-V
    Virtual Switches
    Migration
    Default Stores
Confirmation
Results

[< Previous] [Next >] [Close] [Cancel]