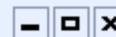


REMOTE ACCESS INSTALLATION

SERVER 2012



Add Roles and Features Wizard



Before you begin

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

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:
[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

< Previous

Next >

Install

Cancel



Select installation type

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

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

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

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
WIN-R44O8GIKKQK.Dea...	192.168.254.60	Microsoft Windows Server 2012 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

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

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
- Application Server
- DHCP Server (Installed)
- DNS Server (Installed)
- Fax Server
- ▶ File And Storage Services (Installed)
- Hyper-V (Installed)
- ▶ Network Policy and Access Services (Installed)
- ▶ Print and Document Services (Installed)
- Remote Access**
- Remote Desktop Services

Description

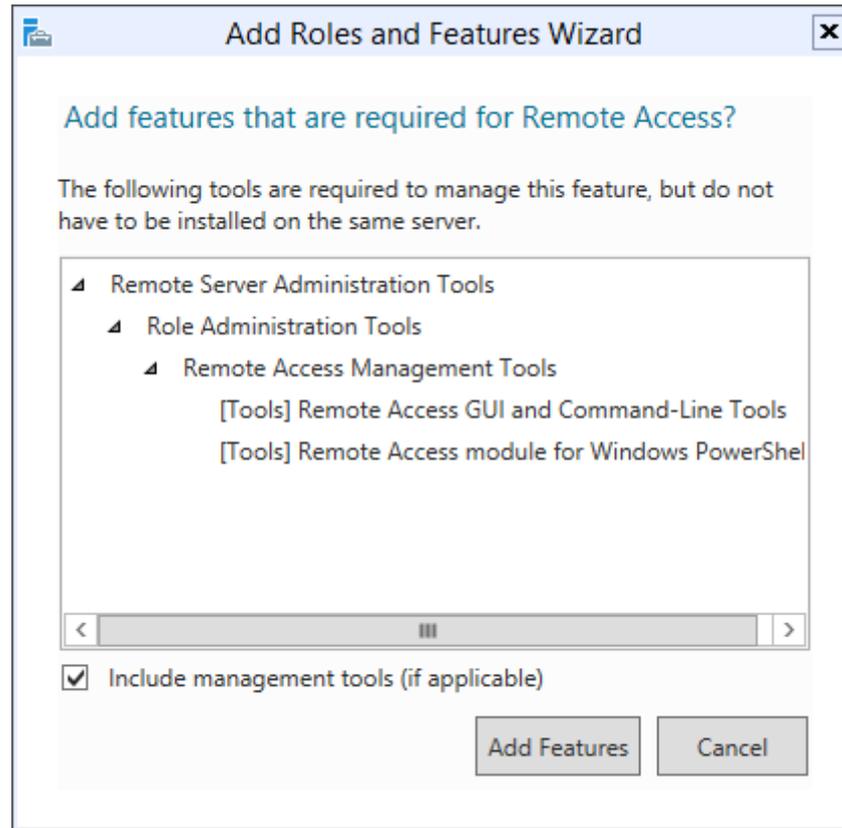
Remote Access provides Seamless Connectivity, Always On and Always Managed experience based on DirectAccess. RAS provides traditional VPN services including site-to-site ((branch-office or cloud) connectivity. Routing provides traditional routing capabilities including NAT, and other connectivity options.

< Previous

Next >

Install

Cancel





Add Roles and Features Wizard



Select features

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features**
- Remote Access
 - Role Services
- Confirmation
- Results

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

Features

- .NET Framework 3.5 Features (Installed)
- .NET Framework 4.5 Features (Installed)
- Background Intelligent Transfer Service (BITS)
- BitLocker Drive Encryption
- BitLocker Network Unlock
- BranchCache (Installed)
- Client for NFS
- Data Center Bridging
- Enhanced Storage
- Failover Clustering (Installed)
- Group Policy Management (Installed)
- Ink and Handwriting Services (Installed)
- Internet Printing Client
- IP Address Management (IPAM) Server

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



Add Roles and Features Wizard



Remote Access

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Remote Access

Role Services

Confirmation

Results

Remote Access combines DirectAccess and RRAS VPN into a single management console.

Deploy DirectAccess to allow managed domain-joined computers to connect to the internet corporate network as DirectAccess clients. Connectivity is seamless and transparent, and is available any time client computers are located on the Internet. DirectAccess administrators can remotely manage clients, ensuring that mobile computers are kept up-to-date with security updates and corporate compliance requirements.

Deploy VPN to allow client computers running operating systems not supported by DirectAccess, or configured in a workgroup, to remotely access corporate networks over a VPN connection.

Configure RRAS routing features using the Routing and Remote Access console.

< Previous

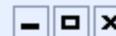
Next >

Install

Cancel



Add Roles and Features Wizard



Select role services

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Remote Access

Role Services

Confirmation

Results

Select the role services to install for Remote Access

Role services

- DirectAccess and VPN (RAS)
- Routing

Description

DirectAccess gives users the experience of being seamlessly connected to their corporate network any time they have Internet access. With DirectAccess, mobile computers can be managed any time the computer has Internet connectivity, ensuring mobile users stay up-to-date with security and system health policies. VPN uses the connectivity of the Internet plus a combination of tunnelling and data encryption technologies to connect remote clients and remote offices.

< Previous

Next >

Install

Cancel



Add Roles and Features Wizard



Select role services

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Remote Access

Role Services

Confirmation

Results

Select the role services to install for Remote Access

Role services

- DirectAccess and VPN (RAS)
- Routing**

Description

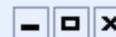
Routing provides support for NAT Routers, LAN Routers running RIP, and multicast capable routers (IGMP Proxy).

< Previous

Next >

Install

Cancel



Confirm installation selections

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Remote Access

Role Services

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.

Remote Access

DirectAccess and VPN (RAS)

Routing

Remote Server Administration Tools

Role Administration Tools

Remote Access Management Tools

Remote Access GUI and Command-Line Tools

Remote Access module for Windows PowerShell

[Export configuration settings](#)

[Specify an alternate source path](#)

< Previous

Next >

Install

Cancel



Add Roles and Features Wizard



Installation progress

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Remote Access

Role Services

Confirmation

Results

View installation progress

 Feature installation



Installation started on WIN-R44O8GIKKQK.DeanLashley.com

Remote Access

DirectAccess and VPN (RAS)

Routing

Remote Server Administration Tools

Role Administration Tools

Remote Access Management Tools

Remote Access GUI and Command-Line Tools

Remote Access module for Windows PowerShell



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](#)

< Previous

Next >

Close

Cancel



Add Roles and Features Wizard



Installation progress

DESTINATION SERVER
WIN-R44O8GIKKQK.DeanLashley.com

- Before You Begin
- Installation Type
- Server Selection
- Server Roles
- Features
- Remote Access
 - Role Services
- Confirmation
- Results**

View installation progress

Feature installation

Configuration required. Installation succeeded on WIN-R44O8GIKKQK.DeanLashley.com.

Remote Access

DirectAccess and VPN (RAS)

Configure the role

[Open the Getting Started Wizard](#)

Routing

Remote Server Administration Tools

Role Administration Tools

Remote Access Management Tools

Remote Access GUI and Command-Line Tools

Remote Access module for Windows PowerShell



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](#)

< Previous

Next >

Close

Cancel

- Dashboard
- Local Server
- All Servers
- AD CS
- AD DS
- DHCP
- DNS
- File and Storage Services ▸
- Hyper-V
- IIS
- NAP
- Print Services
- Remote Access
- WSUS

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

ROLES AND SERVER GROUPS

Roles: 11 | Server groups: 1 | Servers total: 2

AD CS 1

Manageability

- Events
- Services
- Performance
- BPA results

AD DS 1

Manageability

- Events
- Services
- Performance
- BPA results

DHCP 1

Manageability

- Events
- Services
- Performance
- BPA results

- Connection Manager Administration Kit
- Defragment and Optimize Drives
- DHCP
- Disk Cleanup
- DNS
- Event Viewer
- Group Policy Management
- Health Registration Authority
- Hyper-V Manager
- iSCSI Initiator
- iSNS Server
- Local Security Policy
- MPIO
- Network Policy Server
- ODBC Data Sources (32-bit)
- ODBC Data Sources (64-bit)
- Performance Monitor
- Print Management
- Remote Access Management
- Resource Monitor
- Routing and Remote Access
- Security Configuration Wizard
- Services
- System Configuration
- System Information
- Task Scheduler
- Windows Firewall with Advanced Security
- Windows Memory Diagnostic



File Action View Help



Routing and Remote Access

Server Status

WIN-R44O8GIKKQK (local)

WIN-R44O8GIKKQK (local)

Welcome to Routing and Remote Access

Routing and Remote Access provides secure remote access to private networks.

Use Routing and remote access to configure the following:

- A secure connection between two private networks.
- A Virtual Private Network (VPN) gateway.
- A Dial-up remote access server.
- Network address translation (NAT).
- LAN routing.
- A basic firewall.

To add a Routing and Remote Access server, on the Action menu, click Add Server.

For more information about setting up Routing and Remote Access server, deployment scenarios, and troubleshooting, see [Help](#).

Routing and Remote Access Server Setup Wizard

Welcome to the Routing and Remote Access Server Setup Wizard

This wizard helps you set up your server so that you can connect to other networks and allow connections from remote clients.

To continue, click Next.

< Back

Next >

Cancel

Routing and Remote Access Server Setup Wizard

Configuration

You can enable any of the following combinations of services, or you can customize this server.

- Remote access (dial-up or VPN)
Allow remote clients to connect to this server through either a dial-up connection or a secure virtual private network (VPN) Internet connection.
- Network address translation (NAT)
Allow internal clients to connect to the Internet using one public IP address.
- Virtual private network (VPN) access and NAT
Allow remote clients to connect to this server through the Internet and local clients to connect to the Internet using a single public IP address.
- Secure connection between two private networks
Connect this network to a remote network, such as a branch office.
- Custom configuration
Select any combination of the features available in Routing and Remote Access.

[For more information](#)

< Back

Next >

Cancel

Routing and Remote Access Server Setup Wizard

Custom Configuration

When this wizard closes, you can configure the selected services in the Routing and Remote Access console.

Select the services that you want to enable on this server.

- VPN access
- Dial-up access
- Demand-dial connections (used for branch office routing)
- NAT
- LAN routing

[For more information.](#)

< Back

Next >

Cancel

Routing and Remote Access Server Setup Wizard

Completing the Routing and Remote Access Server Setup Wizard

You have successfully completed the Routing and Remote Access Server Setup wizard.

Summary of selections:

VPN access	^
Demand-dial connections	
NAT	
LAN routing	

After you close this wizard, configure the selected services in the Routing and Remote Access console.

To close this wizard, click Finish.

< Back

Finish

Cancel

Routing and Remote Access



Routing and Remote Access has created a default connection request policy called Microsoft Routing and Remote Access Service Policy. To ensure that this new policy does not conflict with existing Network Policy Server (NPS) connection request policies, open the NPS console and verify that it is configured properly.

OK

Routing and Remote Access

Start the service

The Routing and Remote Access service is ready to use.

Start service

Cancel



- Routing and Remote Access
 - Server Status
 - WIN-R44O8GIKKQK (local)
 - Network Interfaces
 - Ports
 - Remote Access Clients (0)
 - Remote Access Logging
 - IPv4
 - IPv6
 - General
 - Static Routes

WIN-R44O8GIKKQK (local)

Routing and Remote Access Is Configured on This Server

This server has already been configured using the Routing and Remote Access Server Setup Wizard. To make changes to the current configuration, select an item in the console tree, and then on the Action menu, click Properties.

For more information about setting up a Routing and Remote Access, deployment scenarios, and troubleshooting, see [Routing and Remote Access Help](#).

Enable DirectAccess on this Server

You are currently using only VPN for providing remote access to your clients. You can use rich remote access experience based on DirectAccess by enabling DirectAccess on this server. Using DirectAccess, your domain-joined clients can seamlessly connect to your corporate network. To enable DirectAccess on this server, you can run the "Enable DirectAccess" wizard by selecting the "Enable DirectAccess..." option on the action pane on the right or on right-clicking the machine node on the left.