

Select server roles

DESTINATION SERVER
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Before You Begin

Installation Type

Server Selection

Server Roles

Features

DHCP Server

Confirmation

Results

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

Roles

- ☐ Active Directory Certificate Services
- ☒ Active Directory Domain Services (Installed)
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☒ **DHCP Server**
- ☒ DNS Server (Installed)
- ☐ Fax Server
- ☒ File and Storage Services (2 of 12 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)

Description

Dynamic Host Configuration Protocol (DHCP) Server enables you to centrally configure, manage, and provide temporary IP addresses and related information for client computers.

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Install

Cancel

Description

Authorization

Summary

Specify the credentials to be used to authorize this DHCP server in AD DS.

☒ Use the following user's credentials

User Name:

☐ Use alternate credentials

UserName:

☐ Skip AD authorization

CP
anim.pencilbc
IPv4
IPv6



Add a Scope

A scope is a range of IP addresses that you can use to distribute IP addresses to computers on your network. You can create a scope before dynamic IP addressing is enabled on the DHCP server.

To add a new scope, click the Add Scope button.

For more information, see the following topics:

New Scope Wizard



Welcome to the New Scope Wizard

This wizard helps you set up a scope for distributing IP addresses to computers on your network.

To continue, click Next.

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Cancel

New Scope Wizard

Scope Name

You have to provide an identifying scope name. You also have the option of providing a description.



Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network.

Name:

Description:

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Cancel

Add a Scope

A scope is a range of IP addresses that you can configure to be distributed by a DHCP server. You can create a scope before dynamically adding a new scope, or you can create a scope after adding a new scope.

To add a new scope, click the **Add a new scope** link. For more information, see the **Add a new scope** link.

New Scope Wizard

IP Address Range

You define the scope address range by identifying a set of consecutive IP addresses.

Configuration settings for DHCP Server

Enter the range of addresses that the scope distributes.

Start IP address: 192 . 168 . 1 . 156

End IP address: 192 . 168 . 1 . 170

Configuration settings that propagate to DHCP Client

Length: 24

Subnet mask: 255 . 255 . 255 . 0

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New Scope Wizard

Add Exclusions and Delay



Exclusions are addresses or a range of addresses that are not distributed by the server. A delay is the time duration by which the server will delay the transmission of a DHCP OFFER message.

Type the IP address range that you want to exclude. If you want to exclude a single address, type an address in Start IP address only.

Start IP address:

End IP address:

Add

Excluded address range:

192.168.1.156 to 192.168.1.161

Remove

Subnet delay in milli second:

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Cancel

Router (Default Gateway)



You can specify the routers, or default gateways, to be distributed by this scope.

To add an IP address for a router used by clients, enter the address below.

IP address:

192 . 168 . 1 . 1

Add

Remove

Up

Down

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Next >

Cancel

Domain Name and DNS Servers

The Domain Name System (DNS) maps and translates domain names used by clients on your network.



You can specify the parent domain you want the client computers on your network to use for DNS name resolution.

Parent domain:

To configure scope clients to use DNS servers on your network, enter the IP addresses for those servers.

Server name:	IP address:	
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>
<input type="button" value="Resolve"/>	<div>192.168.1.150</div>	<input type="button" value="Remove"/>
		<input type="button" value="Up"/>
		<input type="button" value="Down"/>

Internet Protocol Version 4 (TCP/IPv4) Properties



General

Alternate Configuration

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☒ Obtain an IP address automatically

☐ Use the following IP address:

IP address:

Subnet mask:

Default gateway:

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server:

192 . 168 . 1 . 150

Alternate DNS server:

☐ Validate settings upon exit

Advanced...

OK

Cancel

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
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C:\Users\hr1>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix . : pencilbox.seip
    Link-local IPv6 Address . . . . . : fe80::350c:c42a:c072:6b99%11
    IPv4 Address. . . . . : 192.168.1.162
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Tunnel adapter isatap.pencilbox.seip:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . : pencilbox.seip

C:\Users\hr1>
```