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Course Name : Server Administration including WSM

Batch No. : 06

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Windows Server Installation



vmware
WORKSTATION
PRO™

17

Welcome to the New Virtual Machine Wizard

What type of configuration do you want?

Typical (recommended)

Create a Workstation 17.x virtual machine in a few easy steps.

Custom (advanced)

Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.

Help

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Next >

Cancel



New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

Installer disc:

No drives available

Installer disc image file (.iso):

C:\Users\great computer\Downloads\rhel-9.2-x86_64

[Browse...](#)

I will install the operating system later.

The virtual machine will be created with a blank hard disk.

[Help](#)

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[Next >](#)

[Cancel](#)

New Virtual Machine Wizard



Select a Guest Operating System

Which operating system will be installed on this virtual machine?

Guest operating system

- Microsoft Windows
- Linux
- VMware ESX
- Other

Version

Windows Server 2016



Help

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Cancel



New Virtual Machine Wizard

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

WinServer16

Location:

C:\Users\great computer\Documents\Virtual Machines\WinServer

[Browse...](#)

The default location can be changed at [Edit > Preferences](#).

[< Back](#)

[Next >](#)

[Cancel](#)



New Virtual Machine Wizard

Specify Disk Capacity

How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB):

40



Recommended size for Windows Server 2019: 60 GB

- Store virtual disk as a single file
- Split virtual disk into multiple files

Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help

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Next >

Cancel

New Virtual Machine Wizard



Ready to Create Virtual Machine

Click Finish to create the virtual machine. Then you can install Windows Server 2019.

The virtual machine will be created with the following settings:

Name:	WinServer16
Location:	C:\Users\great computer\Documents\Virtual Machine...
Version:	Workstation 17.x
Operating System:	Windows Server 2019
Hard Disk:	40 GB, Split
Memory:	2048 MB
Network Adapter:	NAT
Other Devices:	2 CPU cores, CD/DVD, USB Controller, Printer, Sound...

Customize Hardware...

< Back

Finish

Cancel



Virtual Machine Settings

Hardware Options

Device	Summary
Memory	2 GB
Processors	2
Hard Disk (NVMe)	40 GB
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect

Device status

 Connected Connect at power on

Connection

 Use physical drive:

Auto detect

 Use ISO image file:

C:\Users\great computer\Downloads\Windows_Serv

Windows Server® 2016

Language to install: English (United States)

Time and currency format: English (United States)

Keyboard or input method: US

Enter your language and other preferences and click "Next" to continue.

 Windows Setup



Windows Server 2016

[Install now](#)

[Repair your computer](#)

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 Windows Setup

Select the operating system you want to install

Operating system	Architecture	Date modified
Windows Server 2016 Standard Evaluation	x64	7/16/2016
Windows Server 2016 Standard Evaluation (Desktop Experien...	x64	7/16/2016
Windows Server 2016 Datacenter Evaluation	x64	7/16/2016
Windows Server 2016 Datacenter Evaluation (Desktop Experie...	x64	7/16/2016

Description:

This option is useful when a GUI is required—for example, to provide backward compatibility for an application that cannot be run on a Server Core installation. All server roles and features are supported. For more details see "Windows Server Installation Options."

Next



Applicable notices and license terms

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Diagnostic and Usage Information. Microsoft automatically collects this information over the internet, and uses it to help improve your installation, upgrade, and user experience, and the quality and security of Microsoft products and services. Consistent with these purposes, the information may be associated with your organization. Windows Server 2016 has four (4) information collection settings (Security, Basic, Enhanced, and Full), and uses the "**Enhanced**" setting by default. This level includes information required to: (i) run our antimalware and diagnostic and usage information technologies; (ii) understand device quality, and application usage and compatibility; and (iii) identify quality issues in the use and performance of the operating system and applications.

I accept the license terms

Next

 Windows Setup 

Which type of installation do you want?

Upgrade: Install Windows and keep files, settings, and applications

The files, settings, and applications are moved to Windows with this option. This option is only available when a supported version of Windows is already running on the computer.

Custom: Install Windows only (advanced)

The files, settings, and applications aren't moved to Windows with this option. If you want to make changes to partitions and drives, start the computer using the installation disc. We recommend backing up your files before you continue.

[Help me decide](#)

 Windows Setup

Where do you want to install Windows?

Name	Total size	Free space	Type
 Drive 0 Unallocated Space	40.0 GB	40.0 GB	

 Refresh Delete Format New Load driver Extend

Next

Customize settings

Type a password for the built-in administrator account that you can use to sign in to this computer.

User name

Administrator

Password

Reenter password



Active Directory Installation

DESTINATION SERVER
WIN-1D94NI2UI42

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:

[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

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.

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Install

Cancel

Add Roles and Features Wizard

Select destination server

DESTINATION SERVER
WIN-1D94NI2UI42

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

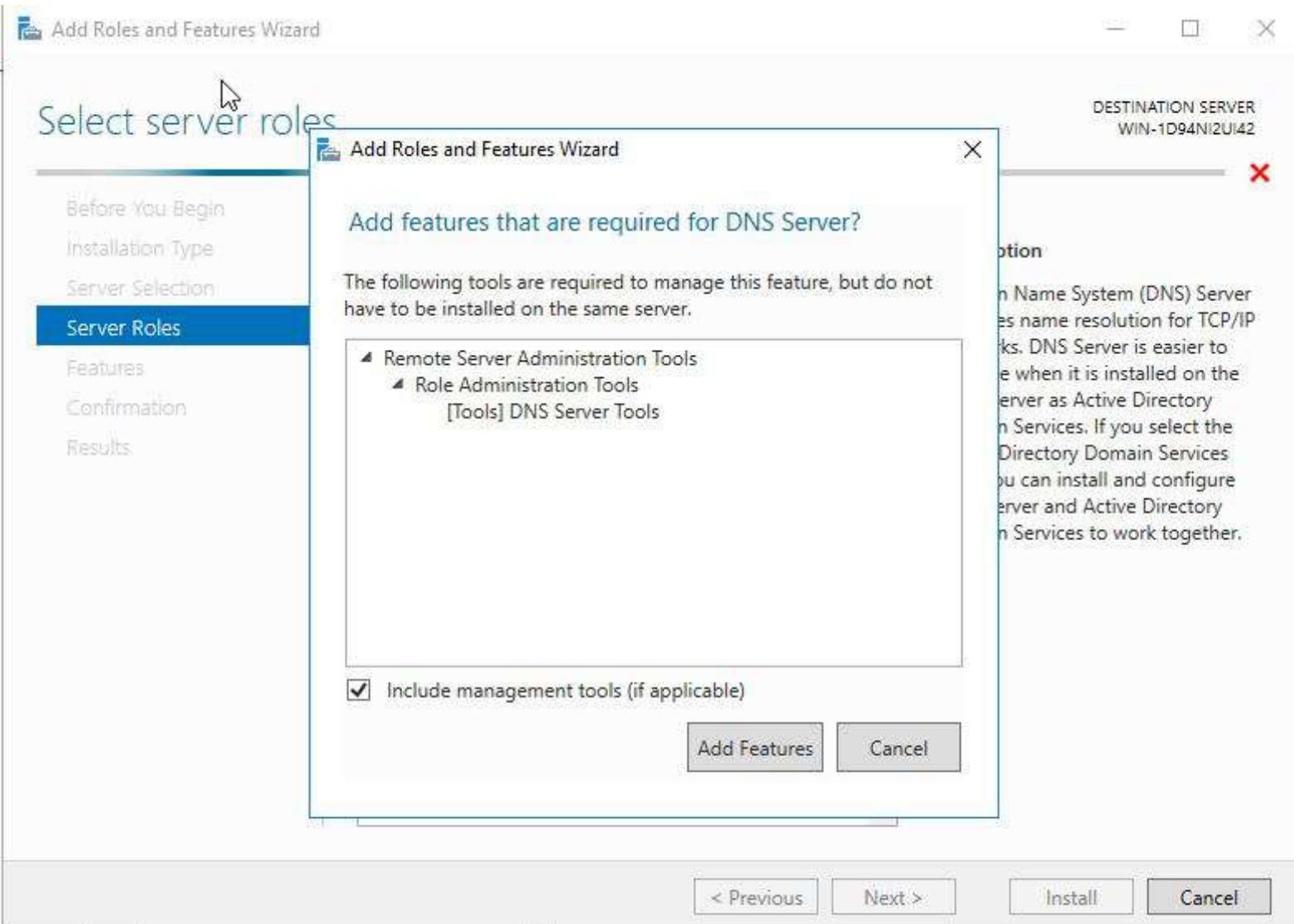
Name	IP Address	Operating System
WIN-1D94NI2UI42	169.254.101.113	Microsoft Windows Server 2016 Datacenter Evaluation

Filter:

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, 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

— □ X

Select features

DESTINATION SERVER
WIN-1D94NI2UI42

Before You Begin

Installation Type

Server Selection

Server Roles

Features

DNS Server

Confirmation

Results

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

Features

- ▶ .NET Framework 3.5 Features
- ▶ .NET Framework 4.6 Features (2 of 7 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

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.

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Install

Cancel

DNS Server

DESTINATION SERVER
WIN-1D94NI2UI42[Before You Begin](#)[Installation Type](#)[Server Selection](#)[Server Roles](#)[Features](#)[DNS Server](#)[Confirmation](#)[Results](#)

Domain Name System (DNS) provides a standard method for associating names with numeric Internet addresses. This makes it possible for users to refer to network computers by using easy-to-remember names instead of a long series of numbers. In addition, DNS provides a hierarchical namespace, ensuring that each host name will be unique across a local or wide-area network. Windows DNS services can be integrated with Dynamic Host Configuration Protocol (DHCP) services on Windows, eliminating the need to add DNS records as computers are added to the network.

Things to note:

- DNS server integration with Active Directory Domain Services automatically replicates DNS data along with other Directory Service data, making it easier to manage DNS.
- Active Directory Domain Services requires a DNS server to be installed on the network. If you are installing a domain controller, you can also install the DNS Server role using Active Directory Domain Services Installation Wizard by selecting the Active Directory Domain Services role.

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Next >

Install

Cancel

Confirm installation selections

[Before You Begin](#)[Installation Type](#)[Server Selection](#)[Server Roles](#)[Features](#)[DNS Server](#)[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.

DNS Server

Remote Server Administration Tools

Role Administration Tools

DNS Server Tools

[Export configuration settings](#)

[Specify an alternate source path](#)

< Previous

Next >

Install

Cancel

Installation progress

DESTINATION SERVER
WIN-1D94NI2UI42[Before You Begin](#)[Installation Type](#)[Server Selection](#)[Server Roles](#)[Features](#)[DNS Server](#)[Confirmation](#)[Results](#)

View installation progress

Feature installation

Installation started on WIN-1D94NI2UI42

DNS Server**Remote Server Administration Tools****Role Administration Tools****DNS Server 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](#)[< Previous](#)[Next >](#)[Close](#)[Cancel](#)

DESTINATION SERVER
anim

Installation progress

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

View installation progress

 Feature installation

Configuration required. Installation succeeded on anim.

Active Directory Domain Services

Additional steps are required to make this machine a domain controller.

[Promote this server to a domain controller](#)**Group Policy Management****Remote Server Administration Tools****Role Administration Tools****AD DS and AD LDS Tools****Active Directory module for Windows PowerShell****AD DS Tools****Active Directory Administrative Center****AD DS Snap-Ins and Command-Line 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](#)[< Previous](#)[Next >](#)[Close](#)[Cancel](#)

Deployment Configuration

- Domain Controller Options
- Additional Options
- Paths
- Review Options
- Prerequisites Check
- Installation
- Results

Select the deployment operation

- Add a domain controller to an existing domain
- Add a new domain to an existing forest
- Add a new forest

Specify the domain information for this operation

Root domain name:

Shamura

[More about deployment configurations](#)

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Install

Cancel

Active Directory Domain Services Configuration Wizard

TARGET SERVER
anim

Domain Controller Options

Deployment Configuration

Domain Controller Options

- DNS Options
- Additional Options
- Paths
- Review Options
- Prerequisites Check
- Installation
- Results

Select functional level of the new forest and root domain

Forest functional level: Windows Server 2016

Domain functional level: Windows Server 2016

Specify domain controller capabilities

Domain Name System (DNS) server

Global Catalog (GC)

Read only domain controller (RODC)

Type the Directory Services Restore Mode (DSRM) password

Password: *

Confirm password: *

More about domain controller options

< Previous

Next >

Install

Cancel

Active Directory Domain Services Configuration Wizard

DNS Options

TARGET SERVER
anim

! A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found... [Show more](#) X

Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results

Specify DNS delegation options
 Create DNS delegation

[More about DNS delegation](#)

< Previous Next > Install Cancel

TARGET SERVER
anim

Additional Options

[Deployment Configuration](#)[Domain Controller Options](#)[DNS Options](#)[Additional Options](#)[Paths](#)[Review Options](#)[Prerequisites Check](#)[Installation](#)[Results](#)

Verify the NetBIOS name assigned to the domain and change it if necessary

The NetBIOS domain name:

PENCILBOX

[More about additional options](#)

[< Previous](#)[Next >](#)[Install](#)[Cancel](#)

TARGET SERVER
anim

Paths

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Specify the location of the AD DS database, log files, and SYSVOL

Database folder:	C:\Windows\NTDS	<input type="button" value="..."/>
Log files folder:	C:\Windows\NTDS	<input type="button" value="..."/>
SYSVOL folder:	C:\Windows\SYSVOL	<input type="button" value="..."/>

[More about Active Directory paths](#)

< Previous

Next >

Install

Cancel

TARGET SERVER
anim

Review Options

[Deployment Configuration](#)[Domain Controller Options](#)[DNS Options](#)[Additional Options](#)[Paths](#)[Review Options](#)[Prerequisites Check](#)[Installation](#)[Results](#)**Review your selections:**

Configure this server as the first Active Directory domain controller in a new forest.

The new domain name is "pencilbox.seip". This is also the name of the new forest.

The NetBIOS name of the domain: PENCILBOX

Forest Functional Level: Windows Server 2016

Domain Functional Level: Windows Server 2016

Additional Options:

Global catalog: Yes

DNS Server: Yes

Create DNS Delegation: No

These settings can be exported to a Windows PowerShell script to automate additional installations

[View script](#)[More about installation options](#)[< Previous](#)[Next >](#)[Install](#)[Cancel](#)

Prerequisites Check

All prerequisite checks passed successfully. Click 'Install' to begin installation.

Show more



Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Prerequisites need to be validated before Active Directory Domain Services is installed on this computer

[Rerun prerequisites check](#)

[View results](#)

Windows Server 2016 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.

For more information about this setting, see Knowledge Base article 942564 (<http://go.microsoft.com/fwlink/?LinkId=104751>).

A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found or it does not run Windows DNS server. If you are integrating with an existing DNS infrastructure, you should manually create a delegation to this DNS server in the parent zone to ensure reliable name resolution from outside the domain "pencilbox.seip". Otherwise, no action is required.

If you click Install, the server automatically reboots at the end of the promotion operation.

[More about prerequisites](#)

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Install

Cancel





Add Roles and Features Wizard



Add features that are required for Active Directory Domain Services?

You cannot install Active Directory Domain Services unless the following role services or features are also installed.

[Tools] Group Policy Management

► Remote Server Administration Tools

 ► Role Administration Tools

 ► AD DS and AD LDS Tools

 Active Directory module for Windows PowerShell

 ► AD DS Tools

 [Tools] Active Directory Administrative Center

 [Tools] AD DS Snap-Ins and Command-Line Tools

Include management tools (if applicable)

Add Features

Cancel

DNS Configuration

DNS Manager

File Action View Help

Forward Lookup Zones Reverse Lookup Zones Trust Points Conditional Forwarders

Add a New Zone

The Domain Name System (DNS) allows a DNS namespace to be divided into zones. Each zone stores information about one or more contiguous DNS domains.

To add a new zone, on the Action menu, click New Zone.



Welcome to the New Zone Wizard

This wizard helps you create a new zone for your DNS server.

A zone translates DNS names to related data, such as IP addresses or network services.

To continue, click Next.

< Back

Next >

Cancel

New Zone Wizard



Zone Type

The DNS server supports various types of zones and storage.



Select the type of zone you want to create:

Primary zone

Creates a copy of a zone that can be updated directly on this server.

Secondary zone

Creates a copy of a zone that exists on another server. This option helps balance the processing load of primary servers and provides fault tolerance.

Stub zone

Creates a copy of a zone containing only Name Server (NS), Start of Authority (SOA), and possibly glue Host (A) records. A server containing a stub zone is not authoritative for that zone.

Store the zone in Active Directory (available only if DNS server is a writeable domain controller)

< Back

Next >

Cancel

New Zone Wizard



Active Directory Zone Replication Scope

You can select how you want DNS data replicated throughout your network.



Select how you want zone data replicated:

- To all DNS servers running on domain controllers in this forest: pencilbox.seip
- To all DNS servers running on domain controllers in this domain: pencilbox.seip
- To all domain controllers in this domain (for Windows 2000 compatibility): pencilbox.seip
- To all domain controllers specified in the scope of this directory partition:

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Cancel



New Zone Wizard

Reverse Lookup Zone Name

A reverse lookup zone translates IP addresses into DNS names.



Choose whether you want to create a reverse lookup zone for IPv4 addresses or IPv6 addresses.

IPv4 Reverse Lookup Zone

IPv6 Reverse Lookup Zone

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Cancel

New Zone Wizard



Dynamic Update

You can specify that this DNS zone accepts secure, nonsecure, or no dynamic updates.



Dynamic updates enable DNS client computers to register and dynamically update their resource records with a DNS server whenever changes occur.

Select the type of dynamic updates you want to allow:

- Allow only secure dynamic updates (recommended for Active Directory)

This option is available only for Active Directory-integrated zones.

- Allow both nonsecure and secure dynamic updates

Dynamic updates of resource records are accepted from any client.

 This option is a significant security vulnerability because updates can be accepted from untrusted sources.

- Do not allow dynamic updates

Dynamic updates of resource records are not accepted by this zone. You must update these records manually.

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Cancel



Completing the New Zone Wizard



You have successfully completed the New Zone Wizard. You specified the following settings:

Name: 1.168.192.in-addr.arpa

Type: Active Directory-Integrated Primary

Lookup type: Reverse

Note: You should now add records to the zone or ensure that records are updated dynamically. You can then verify name resolution using nslookup.

To close this wizard and create the new zone, click Finish.

< Back

Finish

Cancel

1.168.192.in-addr.arpa Properties

?

X

General

Start of Authority (SOA)

Name Servers

WINS-R

Zone Transfers

Security

To add name servers to the list, click Add.

Name servers:

Server Fully Qualified Domain Name (FQDN)	IP Address
anim.pencilbox.net.	Unknown

Add...

Edit...

Remove

* represents an IP address retrieved as the result of a DNS query and may not represent actual records stored on this server.

OK

Cancel

Apply

Help



Edit Name Server Record

Enter a server name and one or more IP addresses. Both are required to identify the name server.

Server fully qualified domain name (FQDN):

IP Addresses of this NS record:

IP Address	Validated	Delete
<Click here to add an IP Address>		
<input checked="" type="checkbox"/> 192.168.1.150	OK	<input type="button" value="Up"/>

Browse



Look in:

DNS



Records:

Name	Type	Data	Timestamp
ANIM			

Selection:

ANIM

Record types:

Hosts (A or AAAA Records)



OK

Cancel



New Resource Record

Pointer (PTR)

Host IP Address:

Fully qualified domain name (FQDN):

Host name:

Allow any authenticated user to update all DNS records with the same name. This setting applies only to DNS records for a new name.

ANIM Properties

?

X

Debug Logging

Event Logging

Monitoring

Security

Interfaces

Forwarders

Advanced

Root Hints

Select the IP addresses that will serve DNS requests. The server can listen for DNS queries on all IP addresses defined for this computer, or you can limit it to selected IP addresses.

Listen on:

- All IP addresses
- Only the following IP addresses:

IP address:

- fe80::f1c3:b953:83a5:6571
- 192.168.1.150

OK

Cancel

Apply

Help

Computer Name/Domain Changes



You can change the name and the membership of this computer. Changes might affect access to network resources.
[More information](#)

Computer name:

shamuraid

Full computer name:

shamuraid.shamura.com

[More...](#)

Member of

Domain:

pencilbox.seip

Workgroup:

(empty text input field)

[OK](#)

[Cancel](#)

OU & Users Creation

Active Directory Users and Computers

File Action View Help

Back Forward Home Search Filter Refresh

Active Directory Users and Com
Saved Queries
pencilbox.seip

Name	Type	Description
Saved Queries		Folder to store your favo...
pencilbox.seip	Domain	

Active Directory Users and Computers

File Action View Help

Back Forward Refresh Stop Filter

Name	Type	Description
pencilbox.seip	Domain	Folder to store your favo...
Saved Queries		

Active Directory Users and Computers

- > Saved Queries
- > pencilbox.seip
 - > Builtin
 - > Computers
 - > Domain Controllers
 - > ForeignSecurityPrincipal
 - > HR
 - > IT
 - > Managed Service Account
 - > Sales
 - > Users

Active Directory Users and Computers

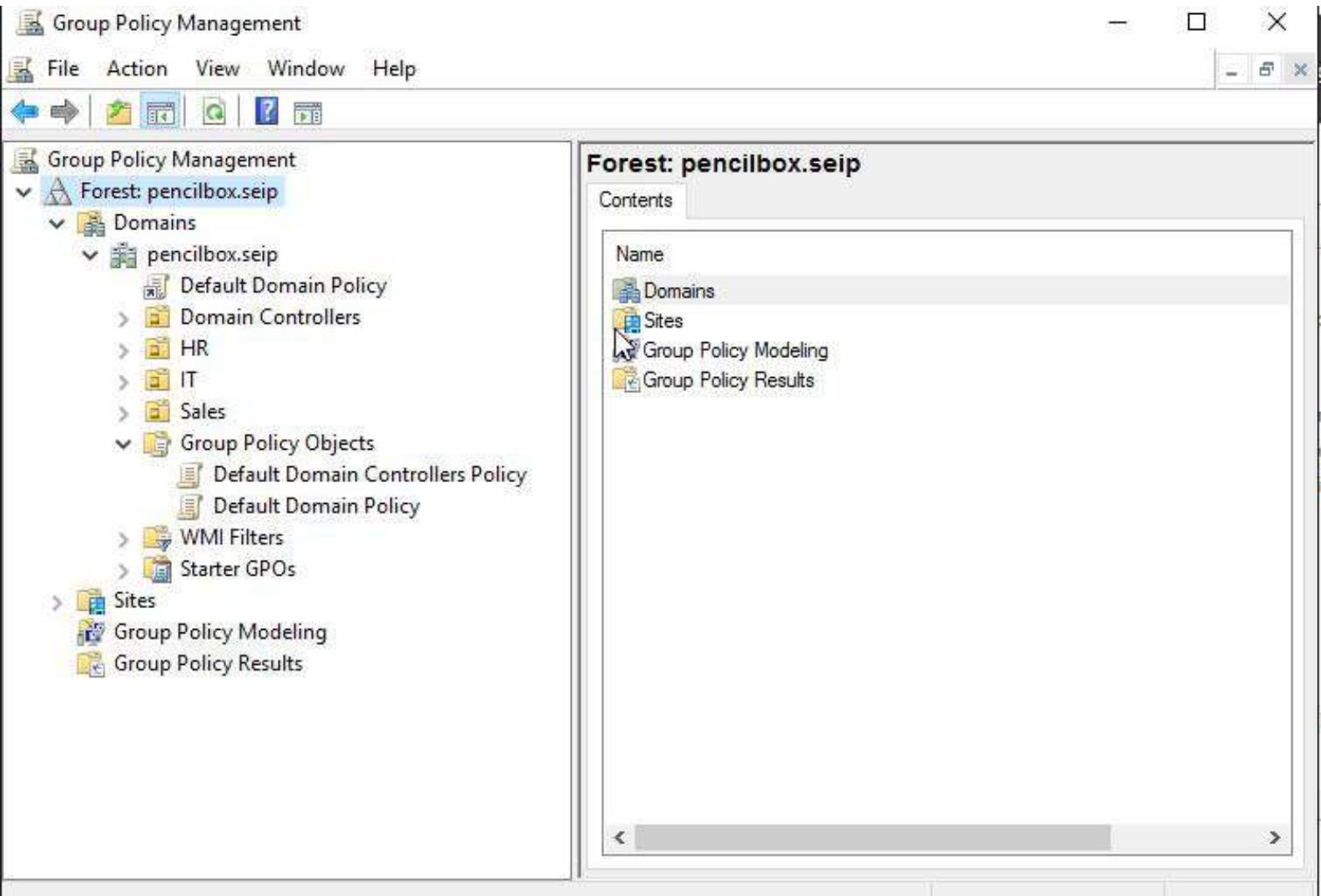
File Action View Help

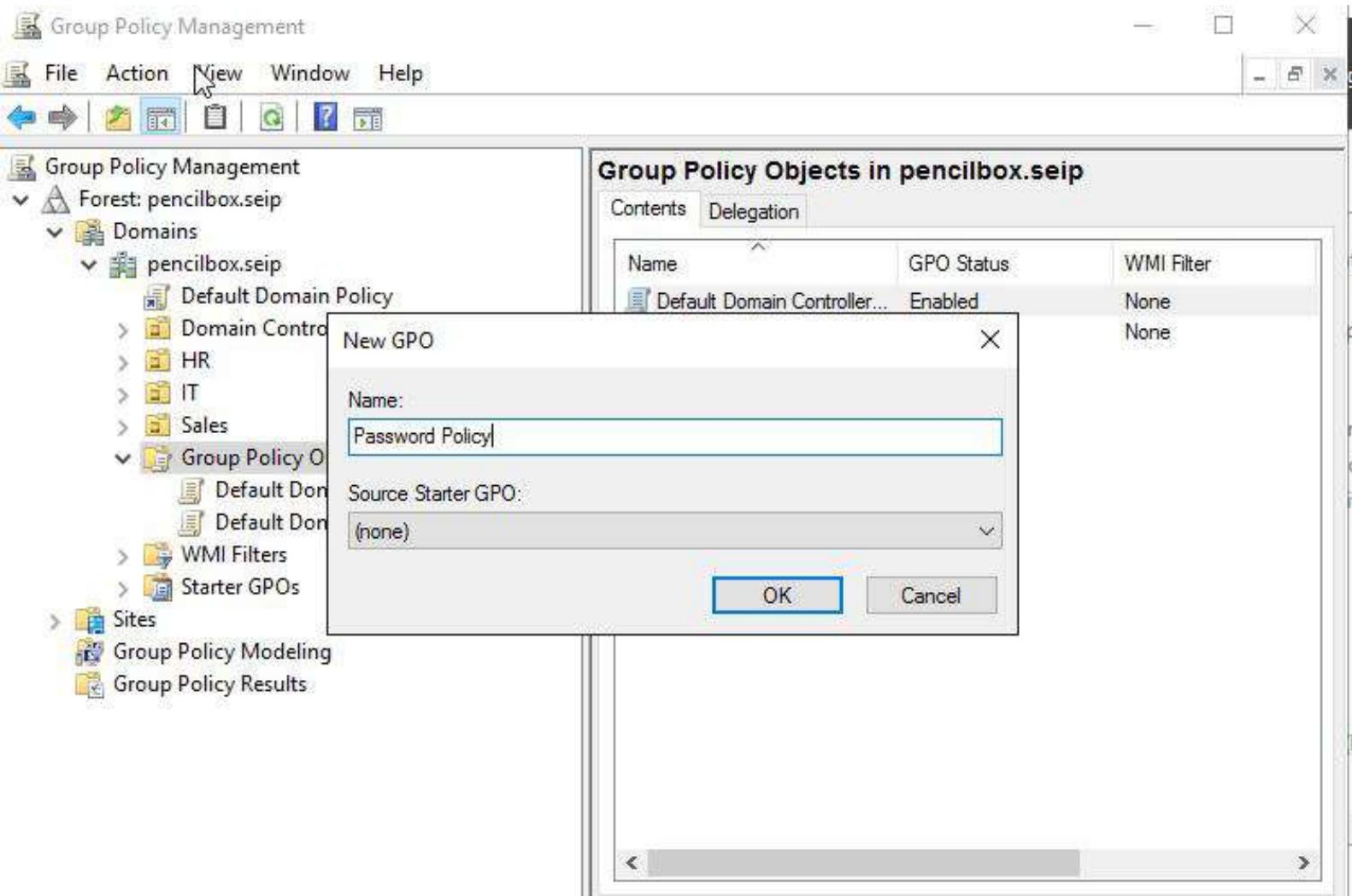


Active Directory Users and Com
> Saved Queries
✓ pencilbox.seip
> Builtin
> Computers
> Domain Controllers
> ForeignSecurityPrincipal
> HR
> IT
> Managed Service Account
> Sales
> Users

Name	Type	Description
HR User 1	User	
HR User 2	User	

Password Policy GPO





Group Policy Management Editor

File Action View Help



Password Policy [ANIM.PENCIL]

- Computer Configuration
 - Policies
 - Preferences
- User Configuration
 - Policies
 - Preferences

Password Policy [ANIM.PENCILBOX.SEIP] Policy

Select an item to view its description. Name

- Computer Configuration
- User Configuration

Group Policy Management Editor

File Action View Help



>Password Policy [ANIM.PENCILBOX.SEIP] Policy

- Computer Configuration
 - Policies
 - Software Settings
 - Windows Settings
 - Name Resolution Policy
 - Scripts (Startup/Shutdown)
 - Deployed Printers
 - Security Settings
 - Policy-based QoS
 - Administrative Templates: Policies
 - Preferences
 - Windows Settings
 - Control Panel Settings
- User Configuration
 - Policies
 - Preferences

Password Policy [ANIM.PENCILBOX.SEIP] Policy

Select an item to view its description.

Name

- Computer Configuration
- User Configuration

Group Policy Management Editor

File Action View Help

Back Forward Home Search Filter

Computer Configuration

- Policies
 - Software Settings
 - Windows Settings
 - Name Resolution Policy
 - Scripts (Startup/Shutdown)
 - Deployed Printers
 - Security Settings
 - Account Policies
 - Local Policies
 - Event Log
 - Restricted Groups
 - System Services
 - Registry
 - File System
 - Wired Network (IEEE)
 - Windows Firewall with Advanced Security
 - Network List Manager
 - Wireless Network (IEEE)
 - Public Key Policies

Name	Description
Password Policy	Password Policy
Account Lockout Policy	Account Lockout Policy
Kerberos Policy	Kerberos Policy

Group Policy Management Editor

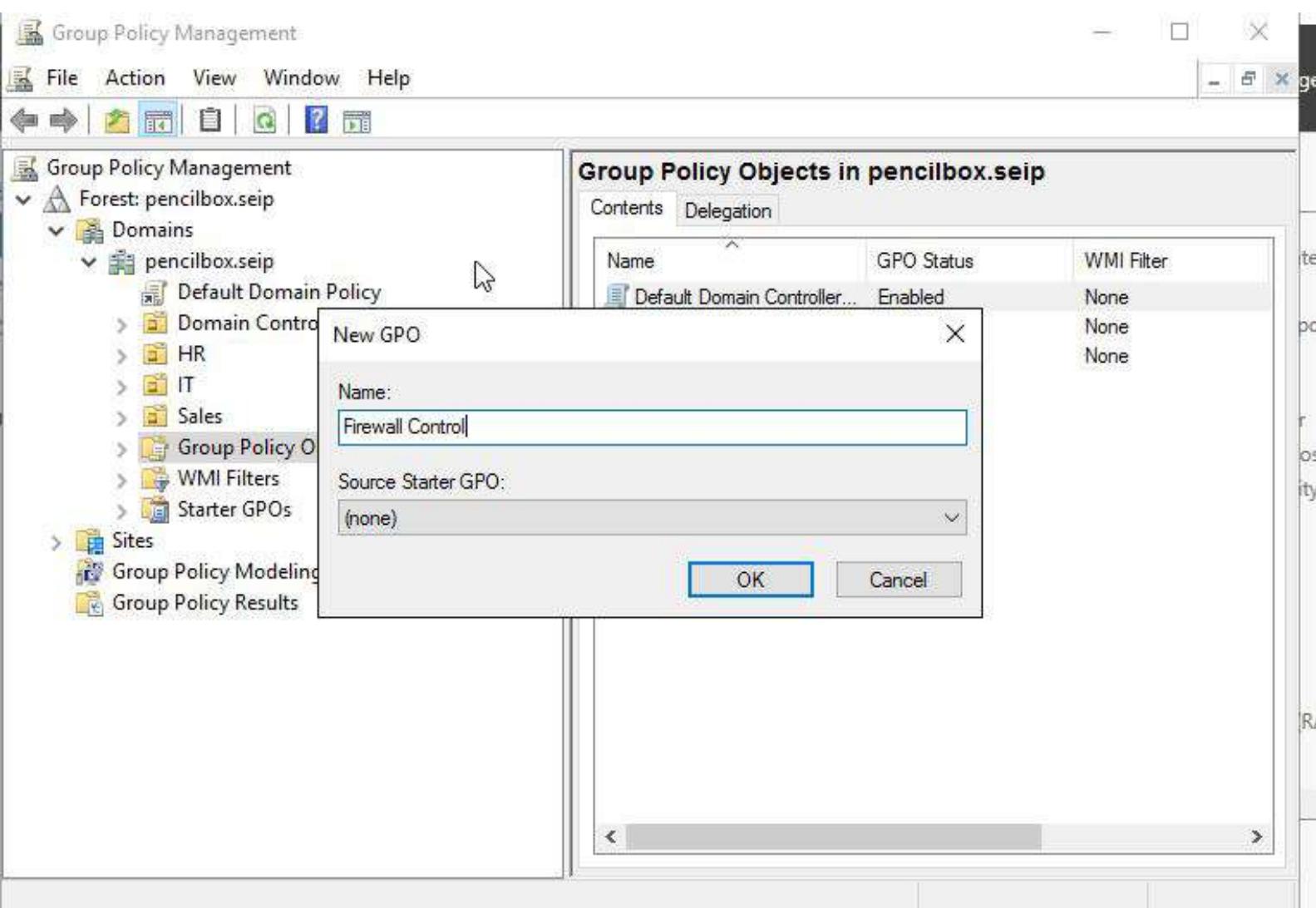
File Action View Help

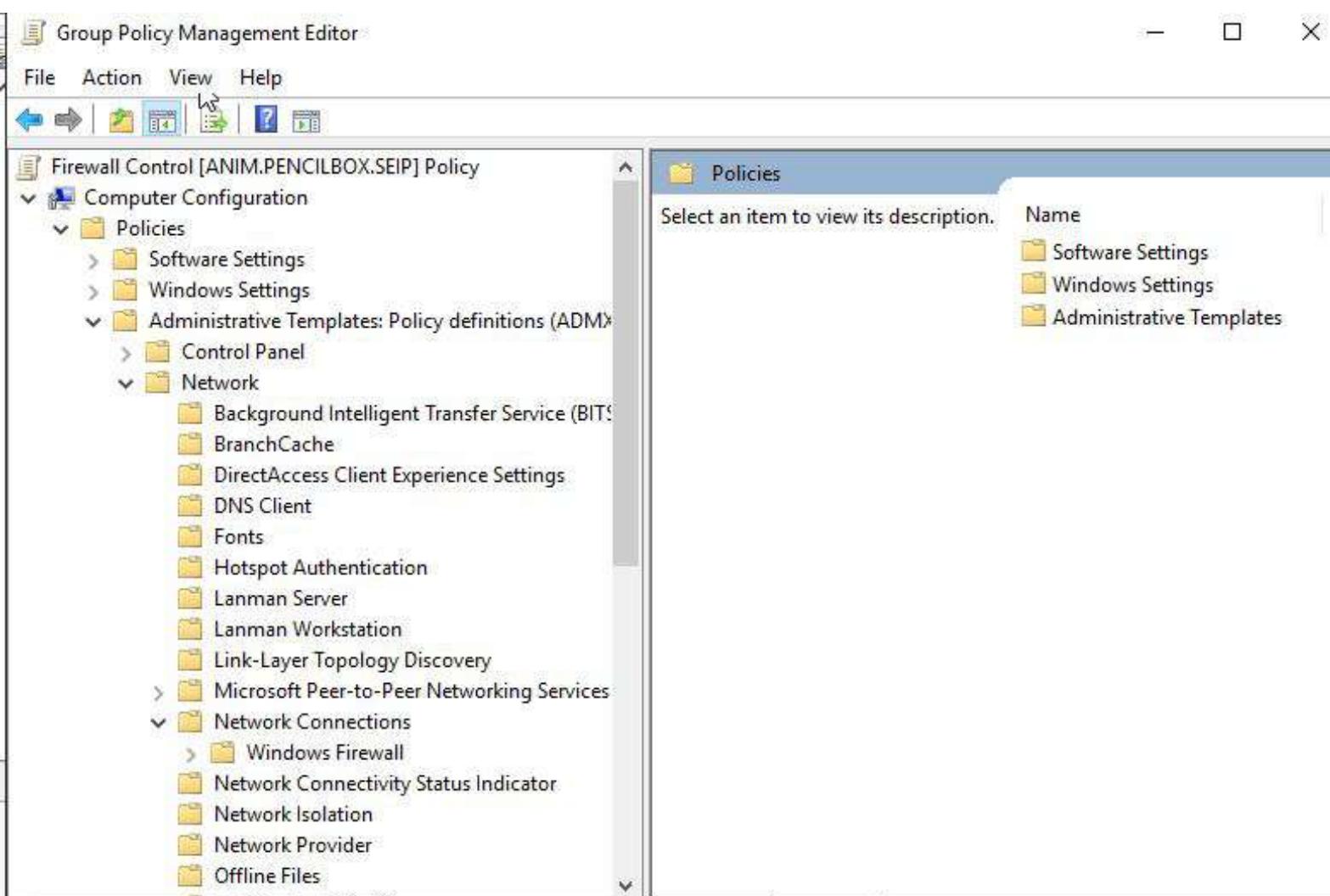
Computer Configuration

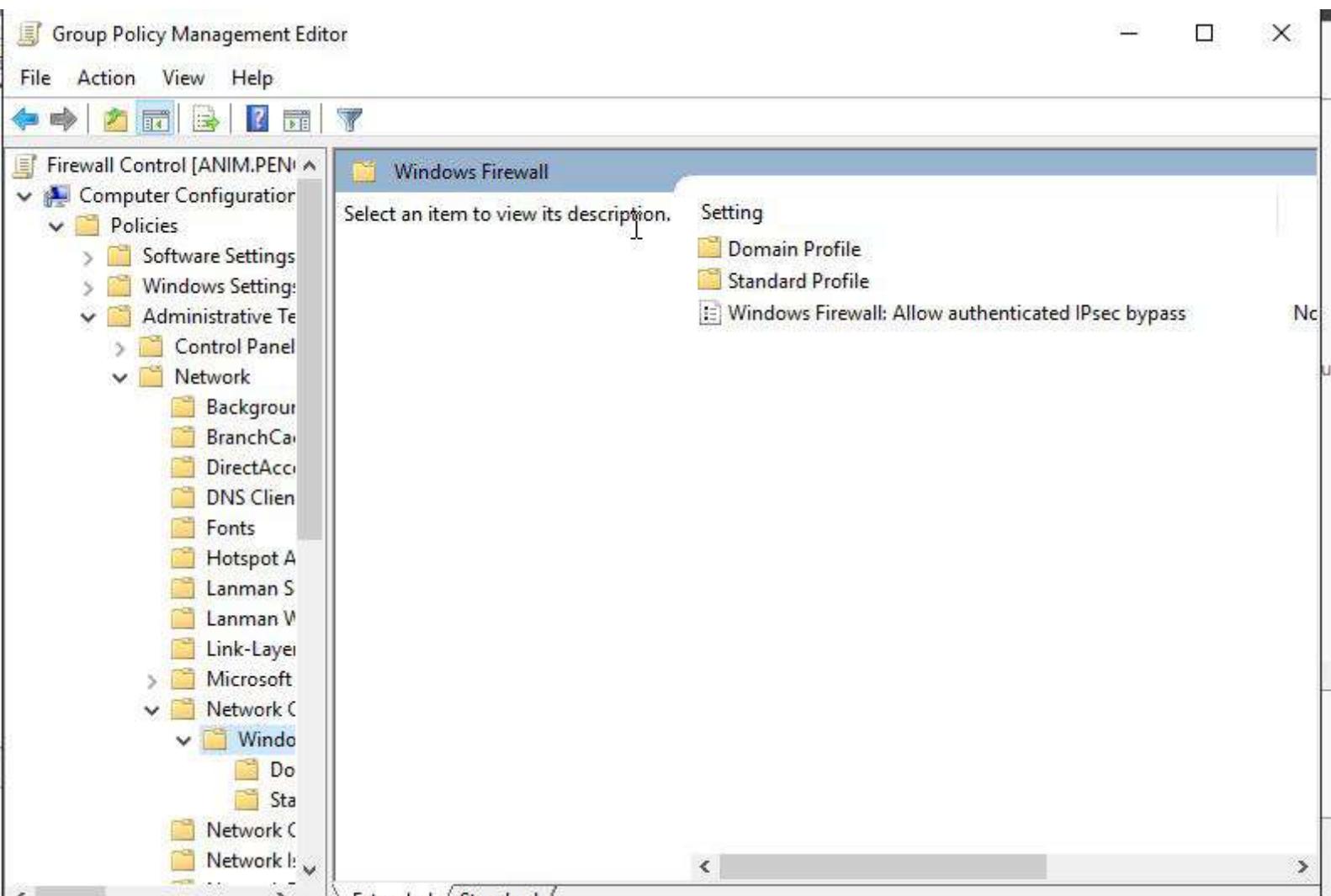
- Policies
 - Software Settings
 - Windows Settings
 - Name Resolution Policy
 - Scripts (Startup/Shutdown)
 - Deployed Printers
 - Security Settings
 - Account Policies
 - Password Policy
 - Account Lockout
 - Kerberos Policy
 - Local Policies
 - Event Log
 - Restricted Groups

Policy	Policy Setting
Enforce password history	Not Defined
Maximum password age	Not Defined
Minimum password age	Not Defined
Minimum password length	10 characters
Password must meet complexity requirements	Not Defined
Store passwords using reversible encryption	Not Defined

Firewall Control GPO







Windows Firewall: Protect all network connections



Windows Firewall: Protect all network connections

[Previous Setting](#)[Next Setting](#) Not Configured

Comment:

 Enabled Disabled

Supported on:

At least Windows XP Professional with SP2

Options:

Help:

Turns on Windows Firewall.

If you enable this policy setting, Windows Firewall runs and ignores the "Computer Configuration\Administrative Templates\Network\Network Connections\Prohibit use of Internet Connection Firewall on your DNS domain network" policy setting.

If you disable this policy setting, Windows Firewall does not run. This is the only way to ensure that Windows Firewall does not run and administrators who log on locally cannot start it.

If you do not configure this policy setting, administrators can use the Windows Firewall component in Control Panel to turn Windows Firewall on or off, unless the "Prohibit use of Internet Connection Firewall on your DNS domain network" policy setting overrides.

Map Drive GPO

Specify share name

Select Profile

Share Location

Share Name

Other Settings

Permissions

Confirmation

Results:

Share name:

Share description:

Local path to share:

C:\Shares\

 If the folder does not exist, the folder is created.

Remote path to share:

\\\anim\

 New Share Wizard

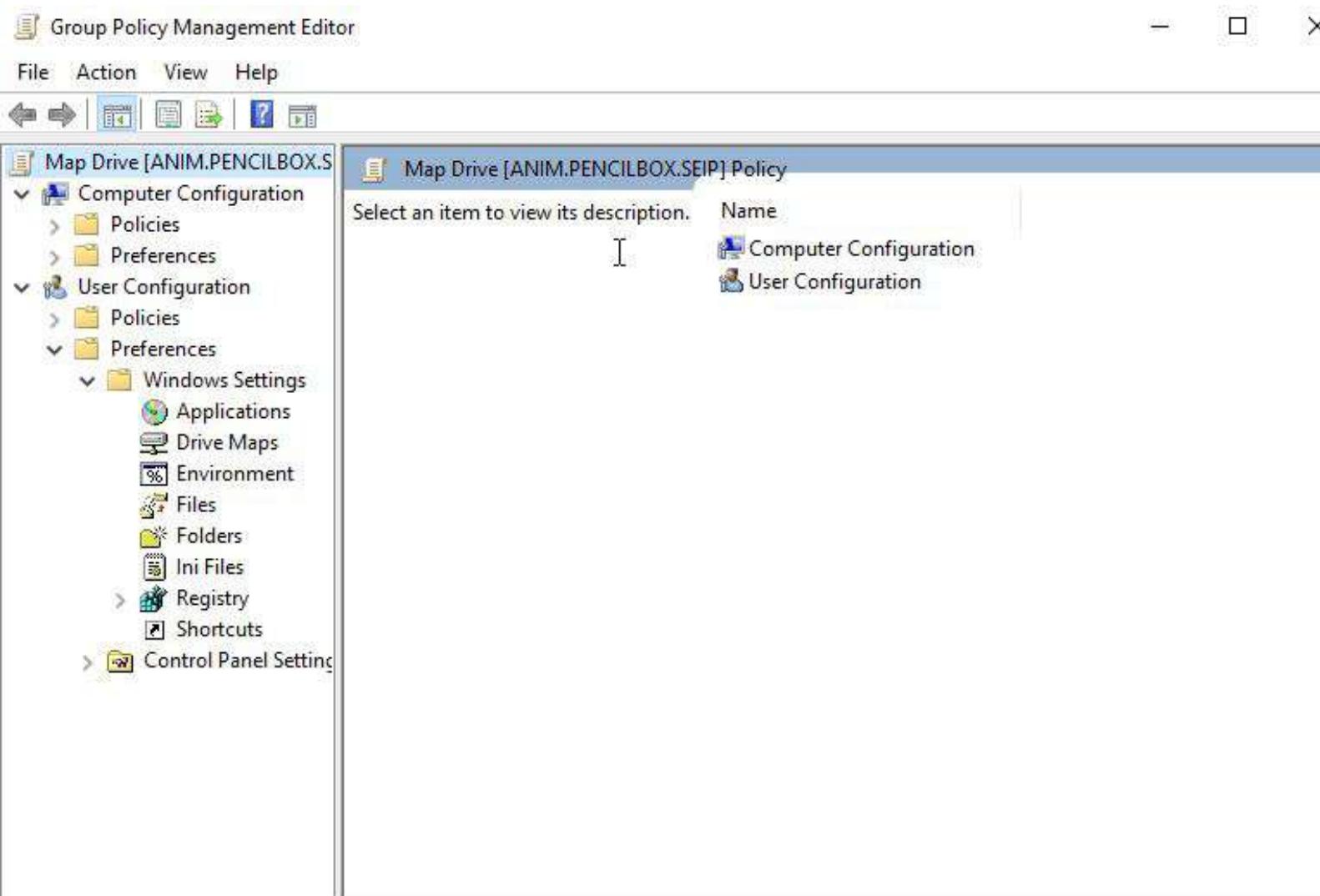
— □ X

View results

The share was successfully created.

Task	Progress	Status
Create SMB share	<div style="width: 100%; background-color: #0070C0; height: 10px;"></div>	Completed
Set SMB permissions	<div style="width: 100%; background-color: #0070C0; height: 10px;"></div>	Completed

Select Profile
Share Location
Share Name
Other Settings
Permissions
Confirmation
Results



Group Policy Management Editor

File Action View Help



Map Drive [ANIM.PENCILBOX.S]

Computer Configuration

> Policies

> Preferences

User Configuration

> Policies

Preferences

> Windows Settings

Applications

Drive Maps

Environment

Files

Folders

Ini Files

Registry

Shortcuts

> Control Panel Setting

New Drive Properties

General Common



Action:



Location:

C:\Shares\Pb



Reconnect:

Label as:

Drive Letter

Use first available, starting at:

Use:



Connect as (optional)

User name:



Password:

Confirm password:

Hide/Show this drive

No change

Hide this drive

Show this drive

Hide/Show all drives

No change

Hide all drives

Show all drives

OK

Cancel

Apply

Help

DHCP Configuration

Select server roles

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.

< Previous

Next >

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: PENCILBOX\Administrator

- Use alternate credentials

UserName:

Specify...

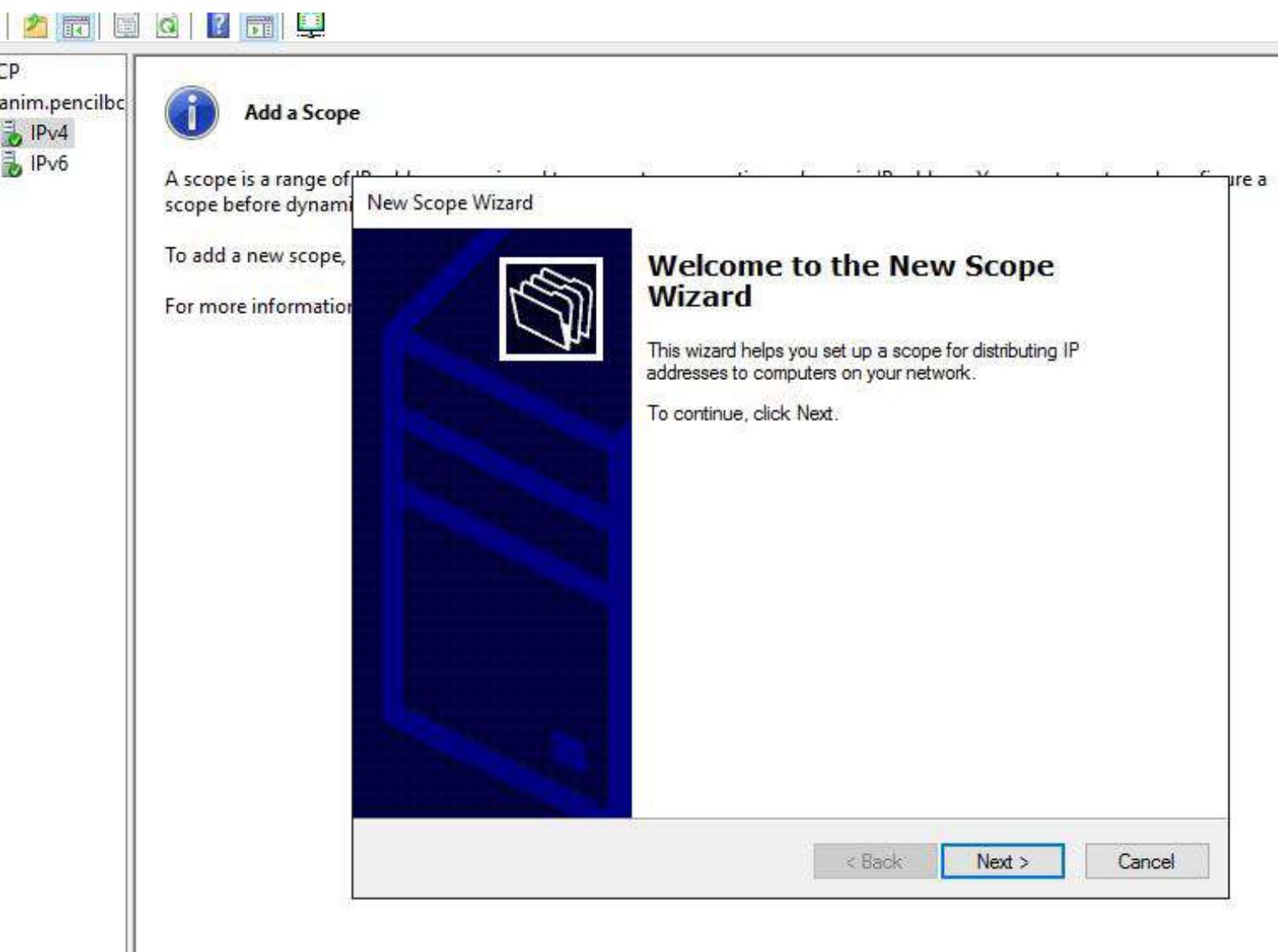
- Skip AD authorization

< Previous

Next >

Commit

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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Next >

Cancel

Add a Scope

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:

End IP address:

Configuration settings that propagate to DHCP Client

Length:

Subnet mask:

< Back Next > Cancel

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 DHCPOFFER 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:

<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>
----------------------	----------------------	------------------------------------

Excluded address range:

<input type="text" value="192.168.1.156 to 192.168.1.161"/>	<input type="button" value="Remove"/>
---	---------------------------------------

Subnet delay in milli second:

<input type="text" value="0"/>

< Back

Next >

Cancel

New Scope Wizard

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	<input type="button" value="Add"/>
	<input type="button" value="Remove"/>
	<input type="button" value="Up"/>
	<input type="button" value="Down"/>

< Back

Next >

Cancel

New Scope Wizard

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:

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

```
cmd C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

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>
```

DHCP MAC Binding

Network Connection Details



Network Connection Details:

Property	Value
Connection-specific DN...	pencilbox.seip
Description	Intel PRO/1000 MT Network Connecti
Physical Address	00-0C-29-51-01-39
DHCP Enabled	Yes
IPv4 Address	192.168.1.162
IPv4 Subnet Mask	255.255.255.0
Lease Obtained	Sunday, September 17, 2023 5:07:12 AM
Lease Expires	Monday, September 25, 2023 5:07:13 AM
IPv4 Default Gateway	
IPv4 DHCP Server	192.168.1.150
IPv4 DNS Server	192.168.1.150
IPv4 WINS Server	
NetBIOS over Tcpip En...	Yes
Link-local IPv6 Address	fe80::350c:c42a:c072:6b99%11
IPv6 Default Gateway	
IPv6 DNS Server	



Close



File Action View Help



New Reservation



Provide information for a reserved client.

Reservation name:

IP address:

MAC address:

Description:

Supported types

Both

DHCP

BOOTP

Add

Close

total: 1



AD DS

1



C:\Windows\system32\cmd.exe

Ethernet adapter Local Area Connection:

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

Tunnel adapter isatap.pencilbox.seip:

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

C:\Users\hr1>ipconfig /renew

Windows IP Configuration

An error occurred while releasing interface Loopback Pseudo-Interface 1 : The system cannot find the file specified.

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . . . : pencilbox.seip
Link-local IPv6 Address : fe80::350c:c42a:c072:6b99%11
IPv4 Address : 192.168.1.165
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>