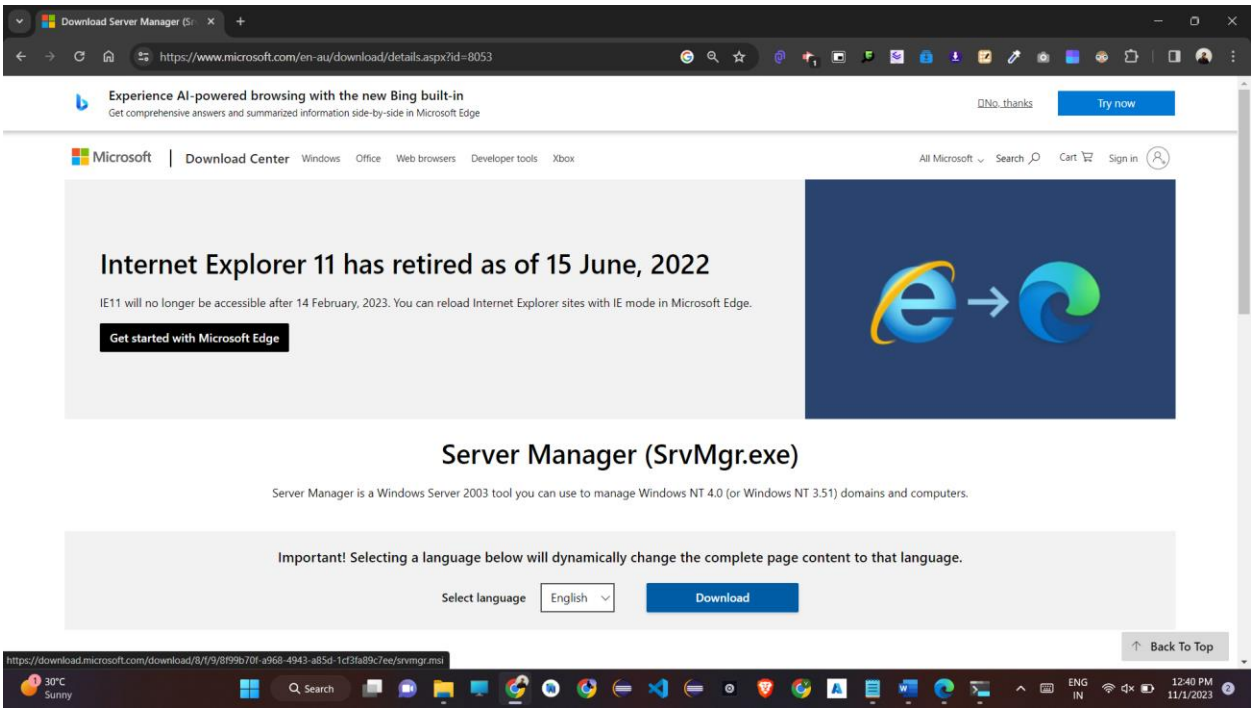
Name : Vedant Sanjay Dhamale

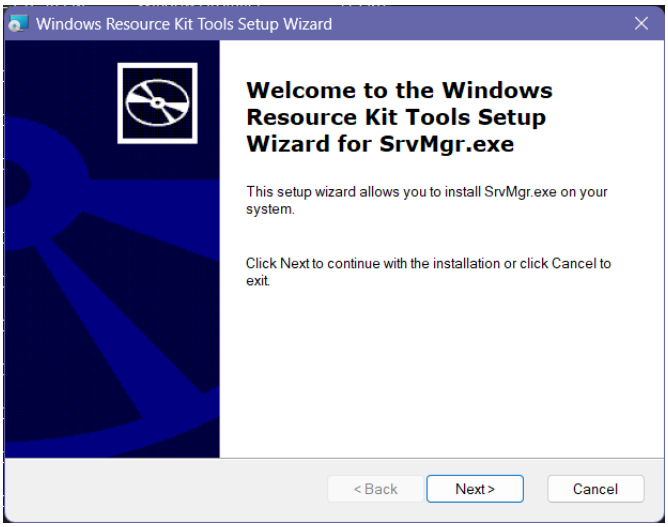
Roll No : 2337032

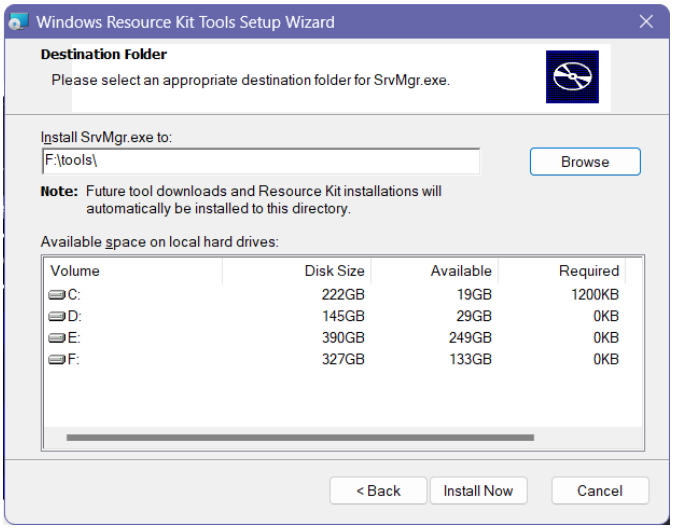
Problem Statement : Installing and configuring DHCP server and assign IP addresses to client machines using DHCP server.

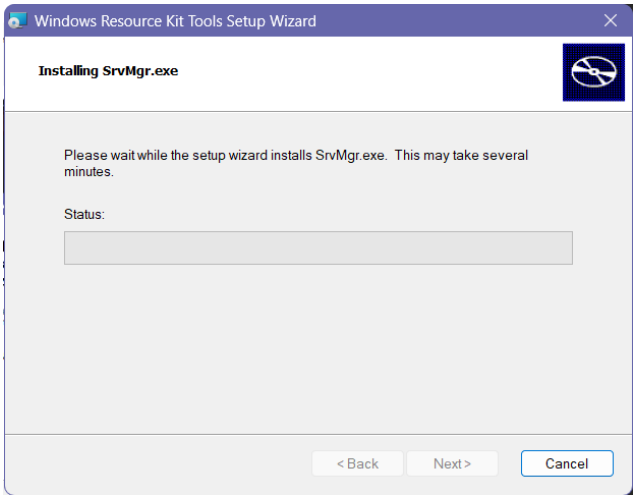
Step 1: Download Server Manager

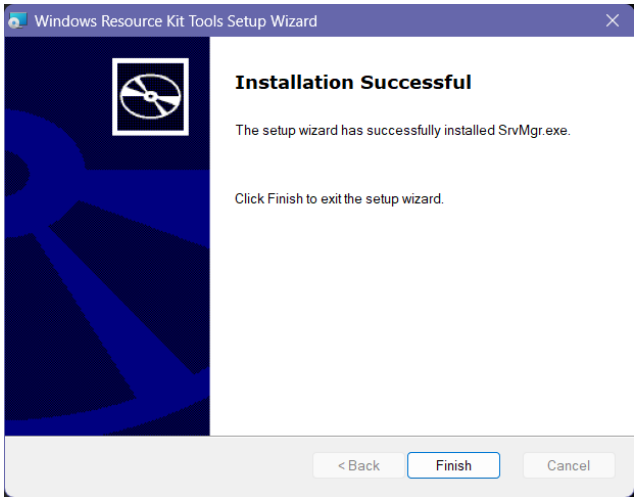


Step 2: Installation

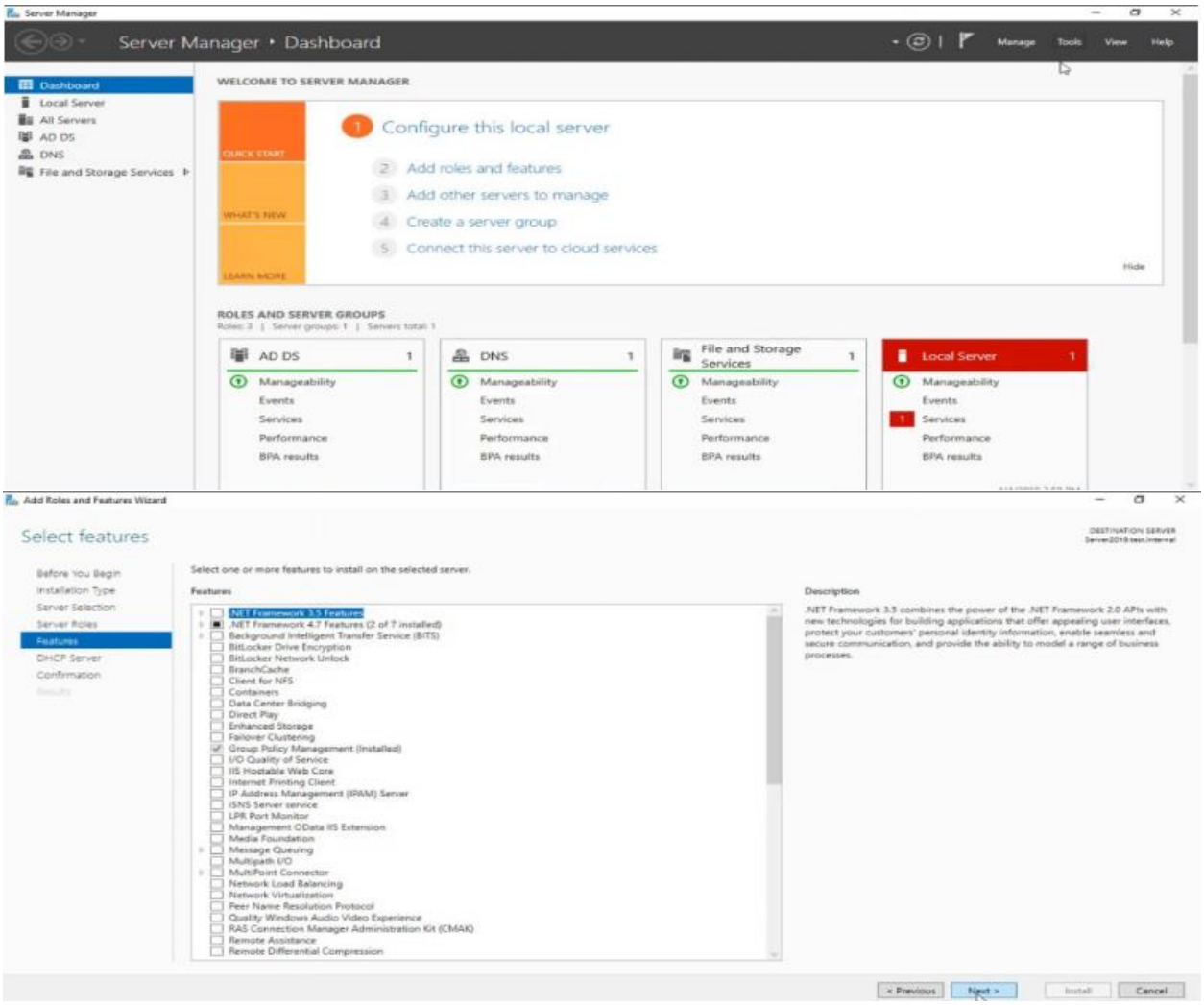




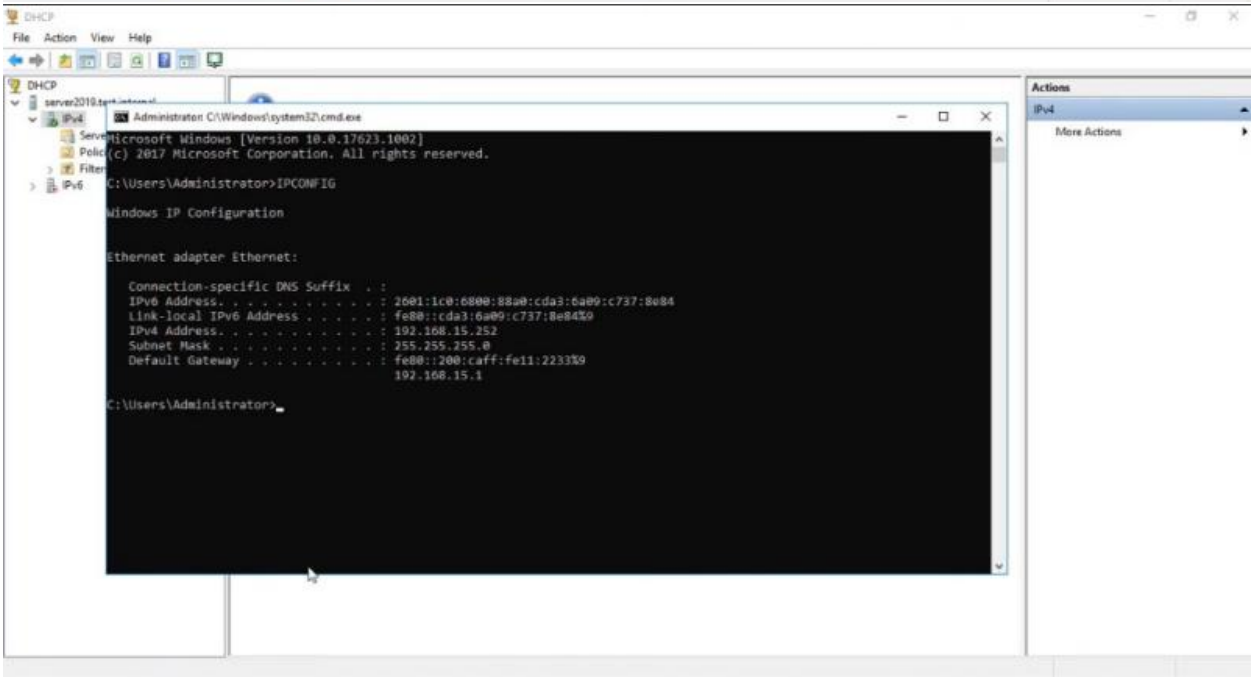


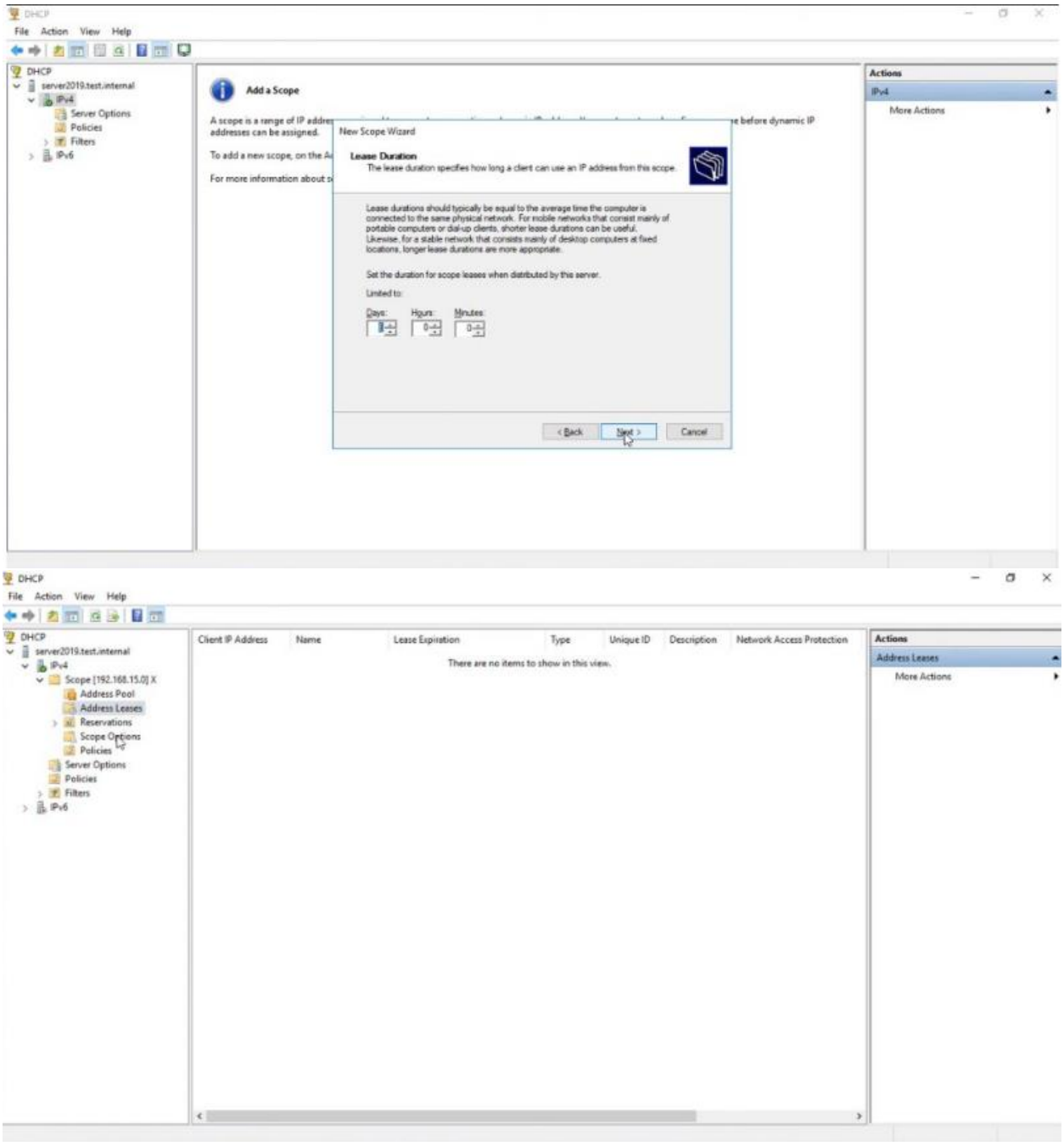


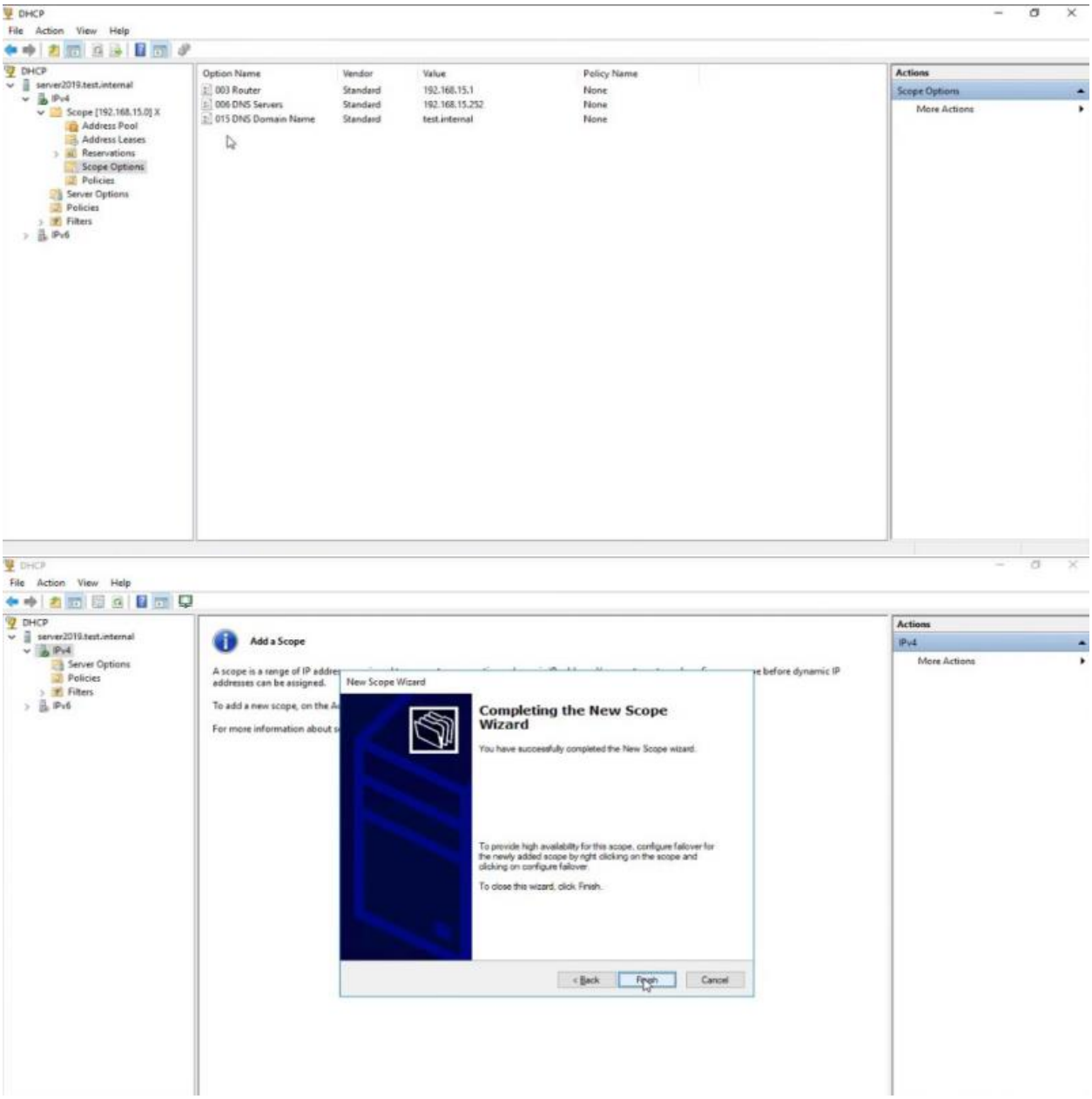
Configuration Of DHCP :



DHCP
File Action View Help
DHCP
server2019.test.internal
IPv4
Server Options
Policies
Filters
IPv6
Add a Scope
A scope is a range of IP addresses assigned to computers requesting a dynamic IP address. You must create and configure a scope before dynamic IP addresses can be assigned.
To add a new scope, on the Action menu, click New Scope.
For more information about setting up a DHCP server, see online Help.
Actions
IPv4
More Actions


DHCP
File Action View Help
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.17623.1002]
(c) 2017 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>IPCONFIG
Windows IP Configuration
Ethernet adapter Ethernet:
Connection-specific DNS Suffix . :
IPv6 Address. . . . . : 2601:1c0:6800:88a0:cda3:6a09:c737:8e84
Link-local IPv6 Address . . . . . : fe80::cda3:6a09:c737:8e84%9
IPv4 Address. . . . . : 192.168.15.252
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : fe80::200:caff:fe11:2233%9
192.168.15.1
C:\Users\Administrator>
Actions
IPv4
More Actions


DHCP
File Action View Help
DHCP
server2019.test.internal
IPv4
Server Options
Policies
Filters
IPv6
Add a Scope
New Scope Wizard
Lease Duration
The lease duration specifies how long a client can use an IP address from this scope.
Lease durations should typically be equal to the average time the computer is connected to the same physical network. For mobile networks that consist mainly of portable computers or dial-up clients, shorter lease durations can be useful. Likewise, for a stable network that consists mainly of desktop computers at fixed locations, longer lease durations are more appropriate.
Set the duration for scope leases when distributed by this server.
Limited to:
Days:
Hours:
Minutes:
< Back
Next >
Cancel
Actions
IPv4
More Actions
DHCP
File Action View Help
DHCP
server2019.test.internal
IPv4
Scope [192.168.15.0] X
Address Pool
Address Leases
Reservations
Scope Options
Policies
Server Options
Policies
Filters
IPv6
Client IP Address
Name
Lease Expiration
Type
Unique ID
Description
Network Access Protection
There are no items to show in this view.
Actions
Address Leases
More Actions


DHCP
File Action View Help
DHCP
server2019.test.internal
IPv4
Scope [192.168.15.0] X
Address Pool
Address Leases
Reservations
Scope Options
Policies
Server Options
Policies
Filters
IPv6
Option Name
Vendor
Value
Policy Name
003 Router
Standard
192.168.15.1
None
006 DNS Servers
Standard
192.168.15.252
None
015 DNS Domain Name
Standard
test.internal
None
Actions
Scope Options
More Actions
DHCP
File Action View Help
DHCP
server2019.test.internal
IPv4
Server Options
Policies
Filters
IPv6
Add a Scope
A scope is a range of IP addres
addresses can be assigned.
To add a new scope, on the A
For more information about s
before dynamic IP
New Scope Wizard
Completing the New Scope Wizard
You have successfully completed the New Scope wizard.
To provide high availability for this scope, configure failover for the newly added scope by right clicking on the scope and clicking on configure failover.
To close this wizard, click Finish.
< Back
Finish
Cancel
Actions
IPv4
More Actions