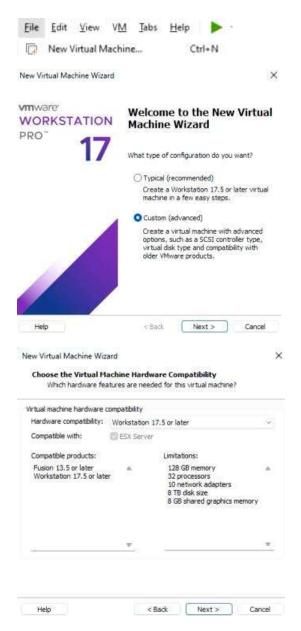
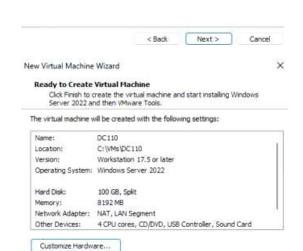
Lab 1 – Preparing the Course Environment

Windows-Server-2022



< Back Next > Cancel





Power on this virtual machine after creation

IPv4 Address 192.168.10.1

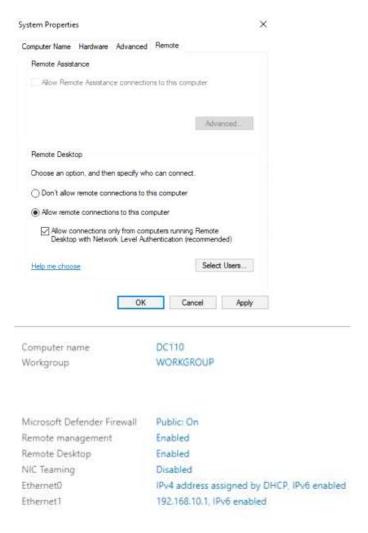
< Back Finish Cancel

255 255 255 0

IPv4 Default Gateway

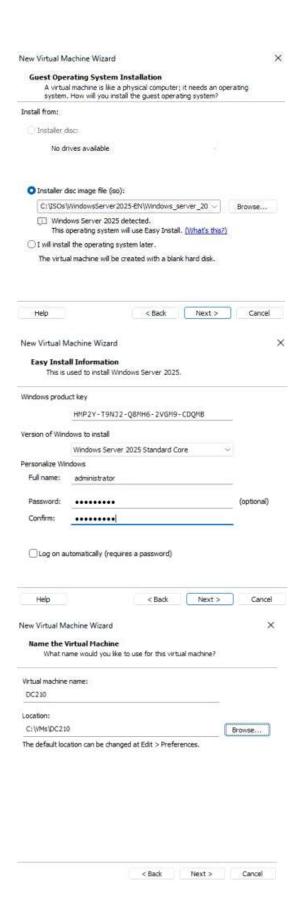
IPv4 Subnet Mask

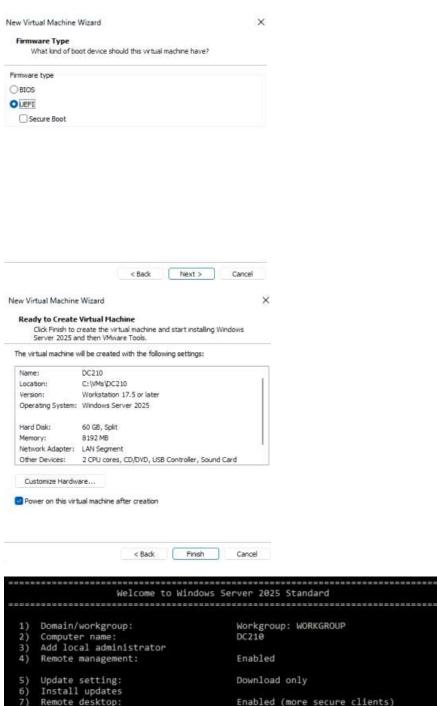
IPv4 DNS Server 192 168 10.1



PS C:\Users\Administrator> netsh advfirewall firewall add rule name="Allow ICMPv4-In" protocol=icmpv4:8,any dir=in actio n=allow Ok.

Windows-Server-2025





1) Domain/workgroup: Workgroup: Workgroup: DC210
2) Computer name: DC210
3) Add local administrator
4) Remote management: Enabled
5) Update setting: Download only
6) Install updates
7) Remote desktop: Enabled (more secure clients)
8) Network settings
9) Date and time
10) Diagnostic data setting: Required
11) Windows activation
12) Log off user
13) Restart server
14) Shut down server
15) Exit to command line (PowerShell)
Enter number to select an option:

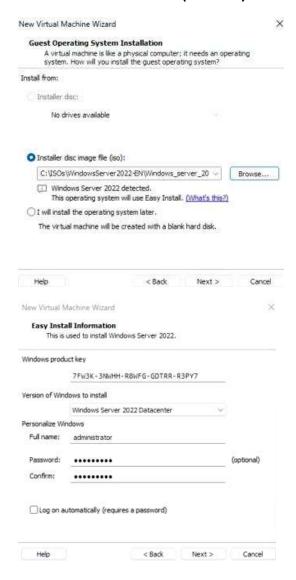
NIC index: 5
Name: Ethernet0
Description: Intel(R) 82574L Gigabit Network Connection IP address: 192.168.10.2, fe80::599:4b4e:d6b8:f3bf
Subnet mask: 255.255.0
DHCP enabled: False

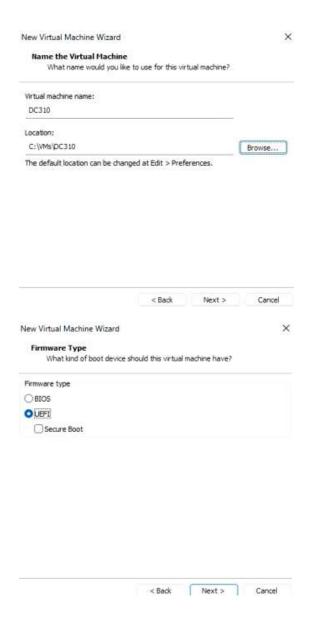
Default gateway: 192.168.10.1
1st DNS server: 192.168.10.1
2nd DNS server: 3rd DNS server:
3rd DNS server:

1) Set network adapter address
2) Set DNS servers
3) Clear DNS server settings
4) Rename network adapter
Enter selection (Blank=Cancel):

PS C:\Users\Administrator> netsh advfirewall firewall add rule name="Allow ICMPv4-In" protocol=icmpv4:8,any dir=in a ction=allow nk

Windows-Server-2022 (Second)

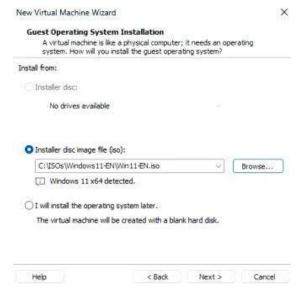






PS C:\Users\Administrator> netsh advfirewall firewall add rule name="Allow ICMPv4-In" protocol=icmpv4:8,any dir=in actio n=allow Ok.

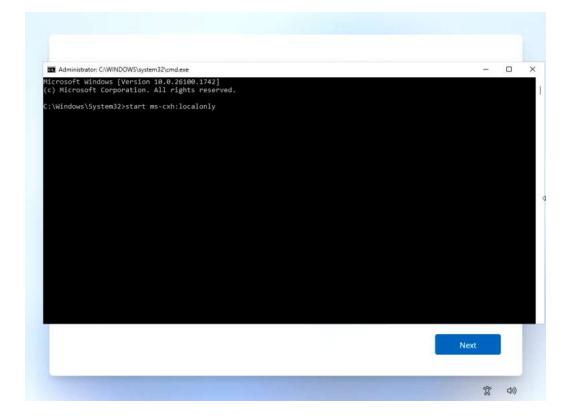
Windows 11



< Back Next > Cancel



Your product key works! Continue when you're ready.





IPv4 address:

192.168.10.100

IPv4 mask:

255.255.255.0

DNS server assignment:

Manual

IPv4 DNS servers:

192 168.10.1 (Unencrypted)

C:\Users\jchedore>hostname

WINDOWS\system32> netsh advfirewall firewall add rule name="Allow ICMPv4-In" protocol=icmpv4:8,any dir=in action=

Ping Tests

From Windows-Server-2022 (DC110)



From Windows-Server-2025 (DC210)

```
Administrator: C:\WINDOWS\system32\cmd.exe
WARNING: To launch Server Configuration tool again, run "SConfig
S C:\Users\Administrator> ping 192.168.10.1
Pinging 192.168.10.1 with 32 bytes of data:
Reply from 192.168.10.1: bytes=32 time<1ms TTL=128
Reply from 192.168.10.1: bytes=32 time<1ms TTL=128
Reply from 192.168.10.1: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.1:
Packets: Sent = 3, Received = 3, Lost = \theta (0% loss), Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
ontrol-C
P5 C:\Users\Administrator> ping 192.168.10.2
Pinging 192.168.10.2 with 32 bytes of data:
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.2:
Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
control-C
PS C:\Users\Administrator> ping 192.168.10.3
Pinging 192.168.10.3 with 32 bytes of data:
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
```

Administrator: C:\WINDOWS\system32\cmd.exe

```
Pinging 192.168.10.3 with 32 bytes of data:
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.3:

Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms
Control-C
PS C:\Users\Administrator> ping 192.168.10.1000
Ping request could not find host 192.168.10.1000. Please check the name and try again.
PS C:\Users\Administrator> ping 192.168.10.1000
Pinging 192.168.10.100 with 32 bytes of data:
Reply from 192.168.10.100: bytes=32 time<1ms TTL=128
Reply from 192.168.10.100: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.100:

Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
Control-C
PS C:\Users\Administrator>
```

From Windows-Server-2022 (DC310)



From Windows 11 (Client10)





Testing remote desktop



