Virtual Box Setup

General

Name:	Server Roles 1 (DC/DNS/DHCP)
Operating System:	Windows 2022 (64-bit)
Groups:	New group 2

System

Base Memory:	6144 MB
Processors:	2
Boot Order:	Floppy, Optical, Hard Disk
Acceleration:	Nested Paging, Hyper-V Paravirtualization

Display

Video Memory:	128 MB
Graphics Controller:	VBoxSVGA
Remote Desktop Server:	Disabled
Recording:	Disabled

Storage

Controller: SATA
SATA Port 0:	DHCP)-disk1.vdi (Normal, 50.00 GB)
SATA Port 1:	[Optical Drive] VBoxGuestAdditions.iso (51.05 MB)

Audio

Host Driver:	Default
Controller:	Intel HD Audio

Network

Adapter 1:   Intel PRO/1000 MT Desktop (Internal Network, 'intnet')

General

Name:	Server Roles 2 (DC/DNS)
Operating System:	Windows 2022 (64-bit)
Groups:	New group 2

System

Base Memory:	6144 MB
Processors:	2
Boot Order:	Floppy, Optical, Hard Disk
Acceleration:	Nested Paging, Hyper-V Paravirtualization

Display

Video Memory:	128 MB
Graphics Controller:	VBoxSVGA
Remote Desktop Server:	Disabled
Recording:	Disabled

Storage

Controller: SATA
SATA Port 0:	DNS)-disk1.vdi (Normal, 50.00 GB)
SATA Port 1:	[Optical Drive] VBoxGuestAdditions.iso (51.05 MB)

Audio

Host Driver:	Default
Controller:	Intel HD Audio

Network

Adapter 1:   Intel PRO/1000 MT Desktop (Internal Network, 'intnet')

General

Name:	Server Roles 3 (IIS)
Operating System:	Windows 2022 (64-bit)
Groups:	New group 2

System

Base Memory:	6144 MB
Processors:	2
Boot Order:	Floppy, Optical, Hard Disk
Acceleration:	Nested Paging, Hyper-V Paravirtualization

Display

Video Memory:	128 MB
Graphics Controller:	VBoxSVGA
Remote Desktop Server:	Disabled
Recording:	Disabled

Storage

Controller: SATA
SATA Port 0:	Server Roles 3 (IIS)-disk1.vdi (Normal, 50.00 GB)
SATA Port 1:	[Optical Drive] VBoxGuestAdditions.iso (51.05 MB)

Audio

Host Driver:	Default
Controller:	Intel HD Audio

Network

Adapter 1:   Intel PRO/1000 MT Desktop (Internal Network, 'intnet')

VM 1 (DC/DNS/DHCP)

```
Administrator: Command Prompt

C:\Users\Administrator>ipconfig /all

Windows IP Configuration

   Host Name . . . . . . . . . . . . : DrewWServer01
   Primary Dns Suffix  . . . . . . . : DrewWDomain.com
   Node Type . . . . . . . . . . . . : Hybrid
   IP Routing Enabled. . . . . . . . : No
   WINS Proxy Enabled. . . . . . . . : No
   DNS Suffix Search List. . . . . . : DrewWDomain.com

Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
   Physical Address. . . . . . . . . : 08-00-27-36-04-07
   DHCP Enabled. . . . . . . . . . . : No
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::aeb0:a972:2c51:61af%12(Preferred)
   IPv4 Address. . . . . . . . . . . : 10.15.0.1(Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.0.0
   Default Gateway . . . . . . . . . : 0.0.0.0
   DHCPv6 IAID . . . . . . . . . . . : 101187623
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-2E-B5-66-7E-08-00-27-36-04-07
   DNS Servers . . . . . . . . . . . : ::1
                                       10.15.0.1
                                       10.15.0.2
   NetBIOS over Tcpip. . . . . . . . : Enabled
```

ROLES AND SERVER GROUPS
Roles: 4 | Server groups: 1 | Servers total: 1

AD DS	1
⊕ Manageability	
Events	
Services	
Performance	
BPA results	

DHCP	1
⊕ Manageability	
Events	
Services	
Performance	
BPA results	

DNS	1
⊕ Manageability	
Events	
Services	
Performance	
BPA results	

File and Storage Services	1
⊕ Manageability	
Events	
Services	
Performance	
BPA results	

Local Server	1
⊕ Manageability	
Events	
Services	
Performance	
BPA results	

All Servers	1
⊕ Manageability	
Events	
Services	
Performance	
BPA results	

VM 2 (DC/DNS)

```
Administrator: Command Prompt

C:\Users\Administrator.DREWWDOMAIN>ipconfig /all

Windows IP Configuration

    Host Name . . . . . . . . . . . . : DrewWServer02
    Primary Dns Suffix  . . . . . . . : DrewWDomain.com
    Node Type . . . . . . . . . . . . : Hybrid
    IP Routing Enabled. . . . . . . . : No
    WINS Proxy Enabled. . . . . . . . : No
    DNS Suffix Search List. . . . . . : DrewWDomain.com

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
    Physical Address. . . . . . . . . : 08-00-27-F2-AC-B2
    DHCP Enabled. . . . . . . . . . . : No
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::511:624e:edf:9401%13(Preferred)
    IPv4 Address. . . . . . . . . . . : 10.15.0.2(Preferred)
    Subnet Mask . . . . . . . . . . . : 255.255.0.0
    Default Gateway . . . . . . . . . : 0.0.0.0
    DHCPv6 IAID . . . . . . . . . . . : 101187623
    DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-2E-B5-6D-07-08-00-27-F2-AC-B2
    DNS Servers . . . . . . . . . . . : ::1
                                        10.15.0.2
                                        10.15.0.1
                                        127.0.0.1
    NetBIOS over Tcpip. . . . . . . . : Enabled
```

ROLES AND SERVER GROUPS
Roles: 3 | Server groups: 1 | Servers total: 1

AD DS 1	DNS 1	File and Storage Services 1
Manageability	Manageability	Manageability
Events	Events	Events
Services	Services	Services
Performance	Performance	Performance
BPA results	BPA results	BPA results

Local Server 1	All Servers 1
Manageability	Manageability
Events	Events
Services	Services
Performance	Performance
BPA results	BPA results

DHCP / DNS Settings

DHCP		Start IP Address	End IP Address	Description
drewwserver01.drewwdomain.com		10.15.100.0	10.15.100.255	Address range for distribution
IPv4				
Server Options				
Scope [10.15.0.0] DrewWDomainScope				
Address Pool				
Address Leases				
Reservations				
[10.15.100.0] WebServer				
Scope Options				
Policies				
Policies				
Filters				
IPv6				

Name	Type	Data	Timestamp
DNS			
DREWWSERVER01			
Forward Lookup Zones			
_msdcs.DrewWDomain.com			
DrewWDomain.com			
Reverse Lookup Zones			
Trust Points			
Conditional Forwarders			
_msdcs			
_sites			
_tcp			
_udp			
DomainDnsZones			
ForestDnsZones			
(same as parent folder)	Start of Authority (SOA)	[44], drewwserver01.drew...	static
(same as parent folder)	Name Server (NS)	drewwserver01.drewwdo...	static
(same as parent folder)	Name Server (NS)	drewwserver02.drewwdo...	static
(same as parent folder)	Host (A)	10.15.0.2	10/31/2024 10:00:00 AM
(same as parent folder)	Host (A)	10.15.0.1	10/31/2024 10:00:00 AM
drewwserver01	Host (A)	10.15.0.1	static
DrewWServer02	Host (A)	10.15.0.2	static
DrewWServer03	Host (A)	10.15.100.0	11/5/2024 9:00:00 AM

AD-DS Groups

VM 3 (IIS)

```
Administrator: Command Prompt

(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>ipconfig /all

Windows IP Configuration

    Host Name . . . . . . . . . . . . : DrewWServer03
    Primary Dns Suffix  . . . . . . . : DrewWDomain.com
    Node Type . . . . . . . . . . . . : Hybrid
    IP Routing Enabled. . . . . . . . : No
    WINS Proxy Enabled. . . . . . . . : No
    DNS Suffix Search List. . . . . . : DrewWDomain.com

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : DrewWDomain.com
    Description . . . . . . . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
    Physical Address. . . . . . . . . : 08-00-27-BE-A9-1F
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::fce4:87ca:3817:4347%12(Preferred)
    IPv4 Address. . . . . . . . . . . : 10.15.100.0(Preferred)
    Subnet Mask . . . . . . . . . . . : 255.255.0.0
    Lease Obtained. . . . . . . . . . : Tuesday, November 5, 2024 9:22:33 AM
    Lease Expires . . . . . . . . . . : Tuesday, November 5, 2024 11:22:17 AM
    Default Gateway . . . . . . . . . :
    DHCP Server . . . . . . . . . . . : 10.15.0.1
    DHCPv6 IAID . . . . . . . . . . . : 101187623
    DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-2E-B5-72-FA-08-00-27-BE-A9-1F
    DNS Servers . . . . . . . . . . . : 10.15.0.1
                                        10.15.0.2
    NetBIOS over Tcpip. . . . . . . . : Enabled
```

ROLES AND SERVER GROUPS

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

File and Storage Services	1	IIS	1
⊕ Manageability		⊕ Manageability	
Events		Events	
Performance		Services	
BPA results		Performance	
		BPA results	

Local Server	1	All Servers	1
⊕ Manageability		⊕ Manageability	
Events		Events	
Services		Services	
Performance		Performance	
BPA results		BPA results	

SSL

Edit Site Binding   ?   ✕

Type: IP address: Port:

https   ⌄   All Unassigned   ⌄   443

Host name:

DrewWServer03

☐ Require Server Name Indication
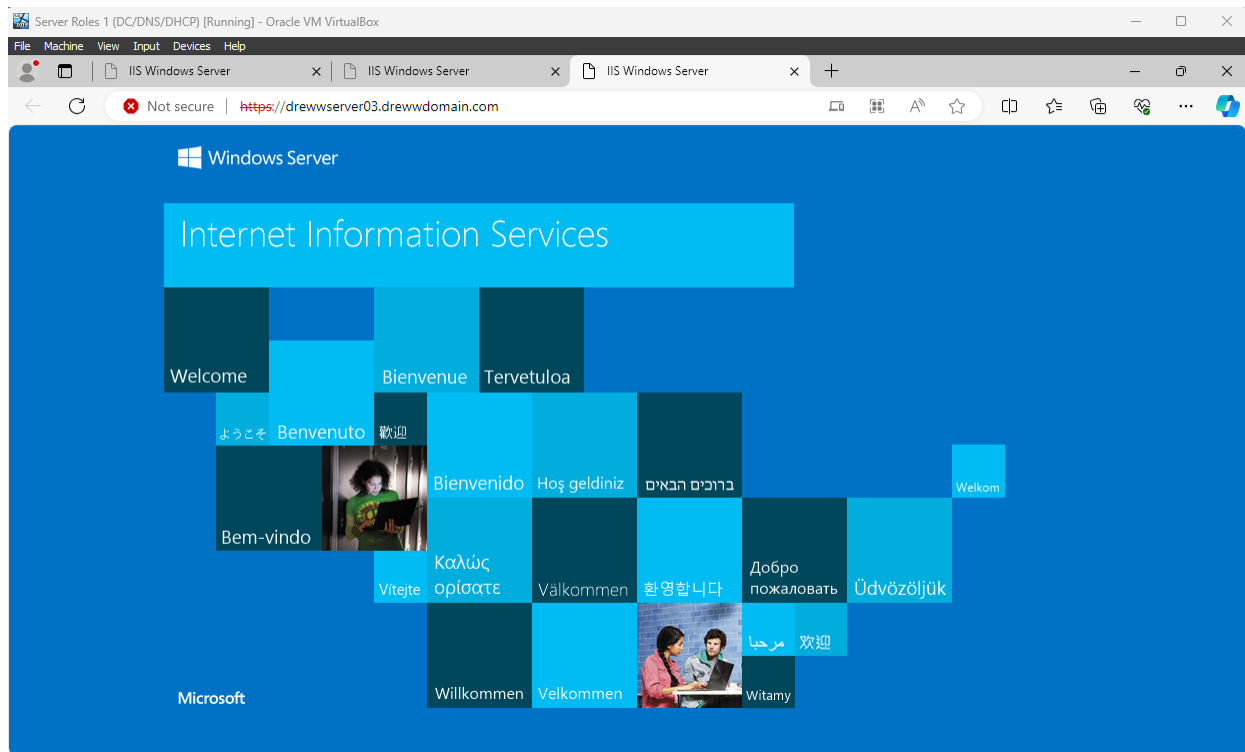
☐ Disable TLS 1.3 over TCP   ☐ Disable QUIC

☐ Disable Legacy TLS   ☐ Disable HTTP/2

☐ Disable OCSP Stapling

SSL certificate:

server03.DrewWDomain.com   ⌄   Select...   View...

                                                                        OK   Cancel

Web Server

Web server accessed through VM1.