

CYSE 608: Hands-On Lab Report 3

Name: Michael Roman

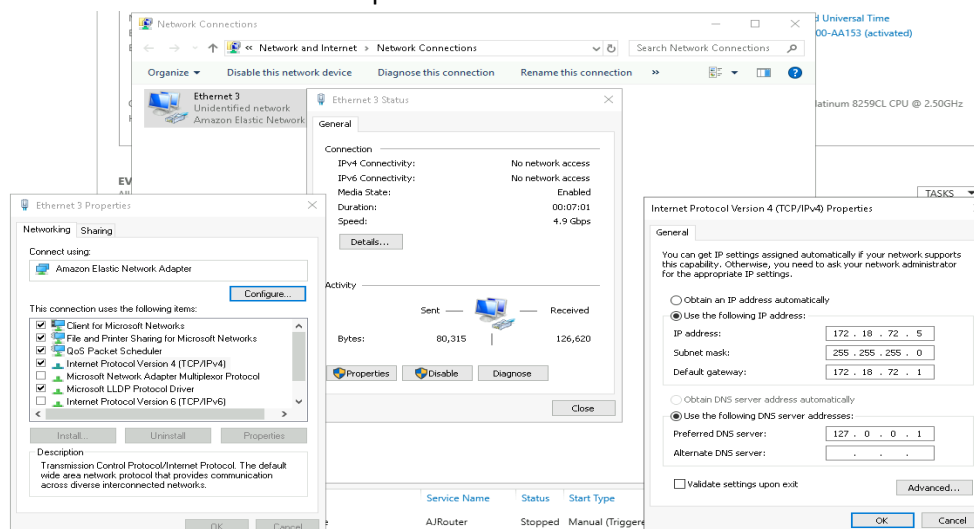
Directions: Review the tutorial video found in Module 3 and complete the following tasks. Submit your completed report in Canvas.

Install and Set Up DNS Service in Windows Server 2019

Total Points = 50 points

Task 1. [10 points]

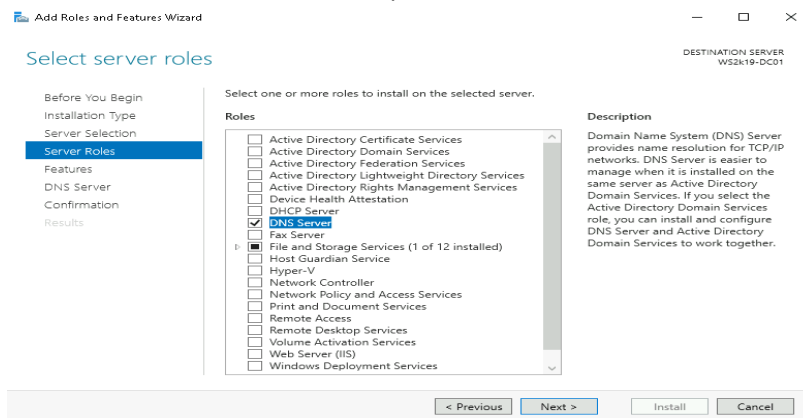
1. Changing the Ethernet IP address manually
2. Provide a screenshot of the completed task.



3. Here we are changing the server IP address as DNS servers call for a fixed manual IP address. Hitting the Ethernet IPv4 until the pop-up for properties, then turning off Internet Protocol Version 6, and then selecting Internet Protocol Version 4 to customize and change the IP address through properties.

Task 2. [10 points]

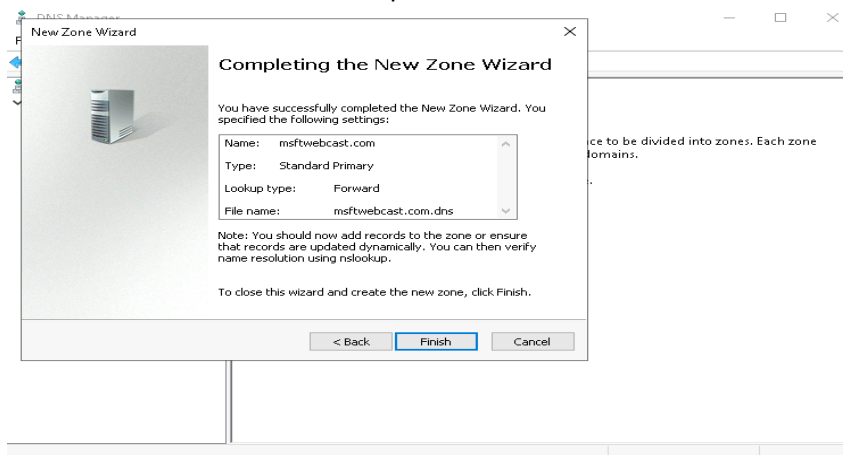
1. Installing the DNS Server Role on our server
2. Provide a screenshot of the completed task.



3. Here, you can see the DNS Server box is clicked on and will begin installing on our Local Server, and is ready to configure.

Task 3. [10 points]

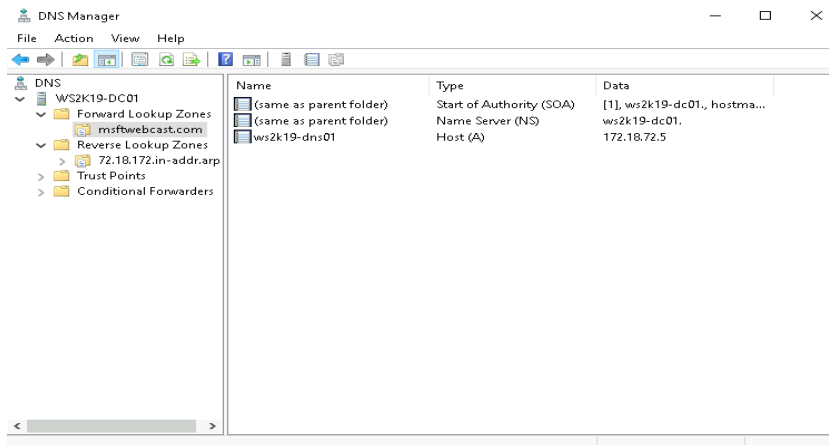
1. Creating a new zone for the DNS
2. Provide a screenshot of the completed task.



3. We have created a new zone on our DNS server to establish a specific area of authority for our server to manage DNS records. Whether that is for a particular domain or subdomain.

Task 4. [10 points]

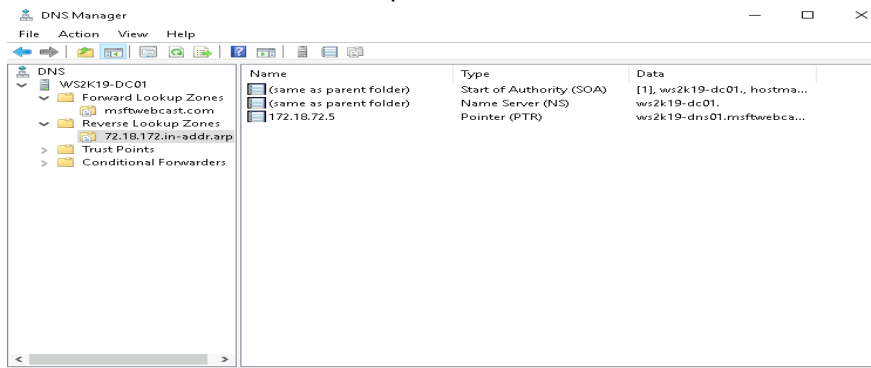
1. Creating a host under msfwebcast.com as a Type A host
2. Provide a screenshot of the completed task.



3. I have created a host under the forward lookup zones and this will be used as main Host A under the DNS manager lookup zones.

Task 5. [10 points]

1. Have now created a pointer record for the DNS server
2. Provide a screenshot of the completed task.



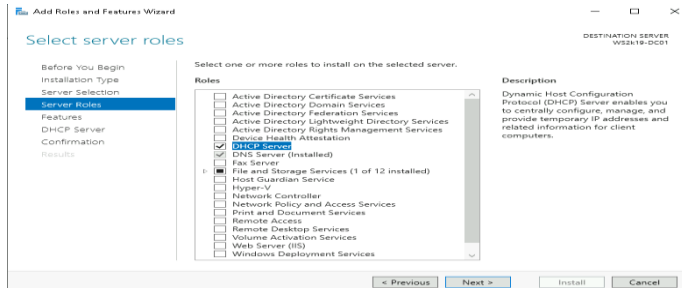
3. I have configured and created a Pointer (PTR) under the reverse lookup zones, following the IP address 172.18.72.5

Install and Configure DHCP Server in Server in Windows Server 2019

Total Point = 50 points

Task 6. [12.5 points]

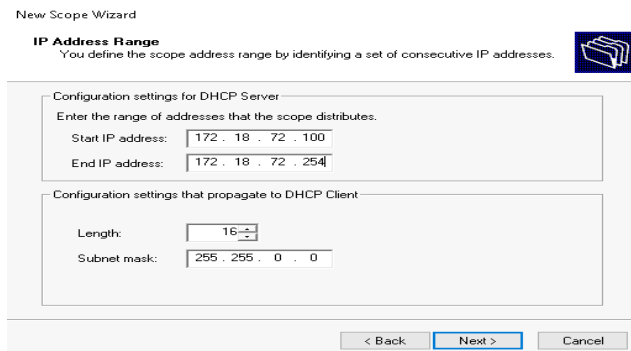
1. Installing DHCP Server
2. Provide a screenshot of the completed task.



3. Following the same process of how I installed the DNS server by adding a role or server through the manager tab in the top right corner of the server manager.

Task 7. [12.5 points]

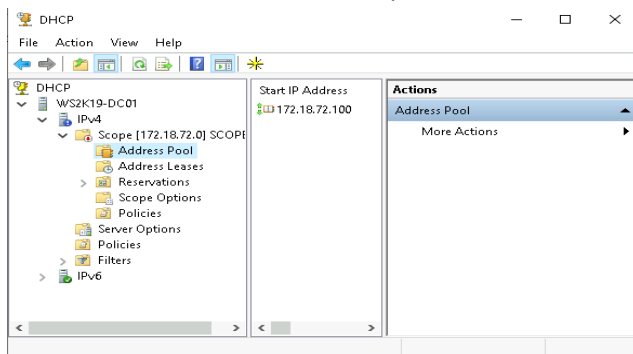
1. IPv4 New Scope
2. Provide a screenshot of the completed task.



3. I am starting a new and end IP address for the new scope within our DHCP server. This scope will act as and automated IP address location for defining DNS servers and manage lease durations.

Task 8. [12.5 points]

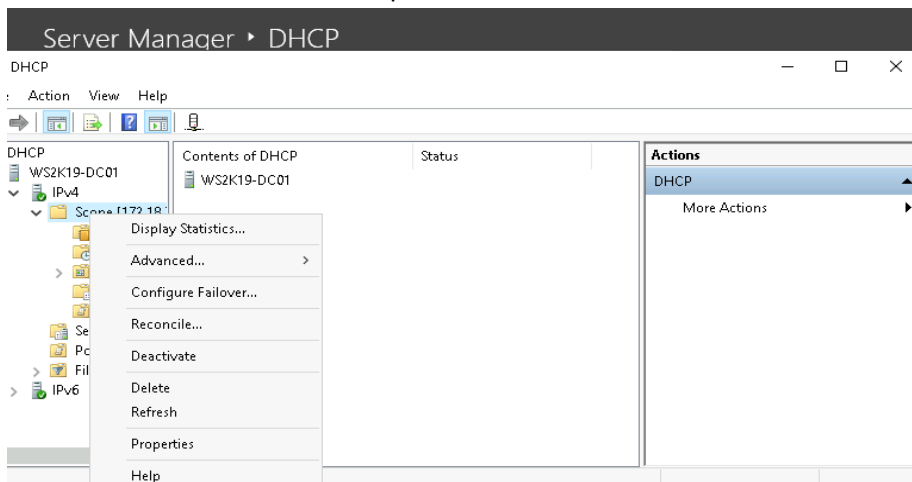
1. Successful DHCP Scope
2. Provide a screenshot of the completed task.



3. This is showing the successful completion of installing and configuring a new scope in IPv4 of DHCP servers in the server manager. It shows our input IP address along with the scope title and location.

Task 9. [12.5 points]

1. Activating the Scope
2. Provide a screenshot of the completed task.



3. We have activated the scope IPv4 address to allow the DHCP server can assign IP address automatically to a clients computer.