

INFO 2416 S11

Lab #3 : Understanding IP Addressing

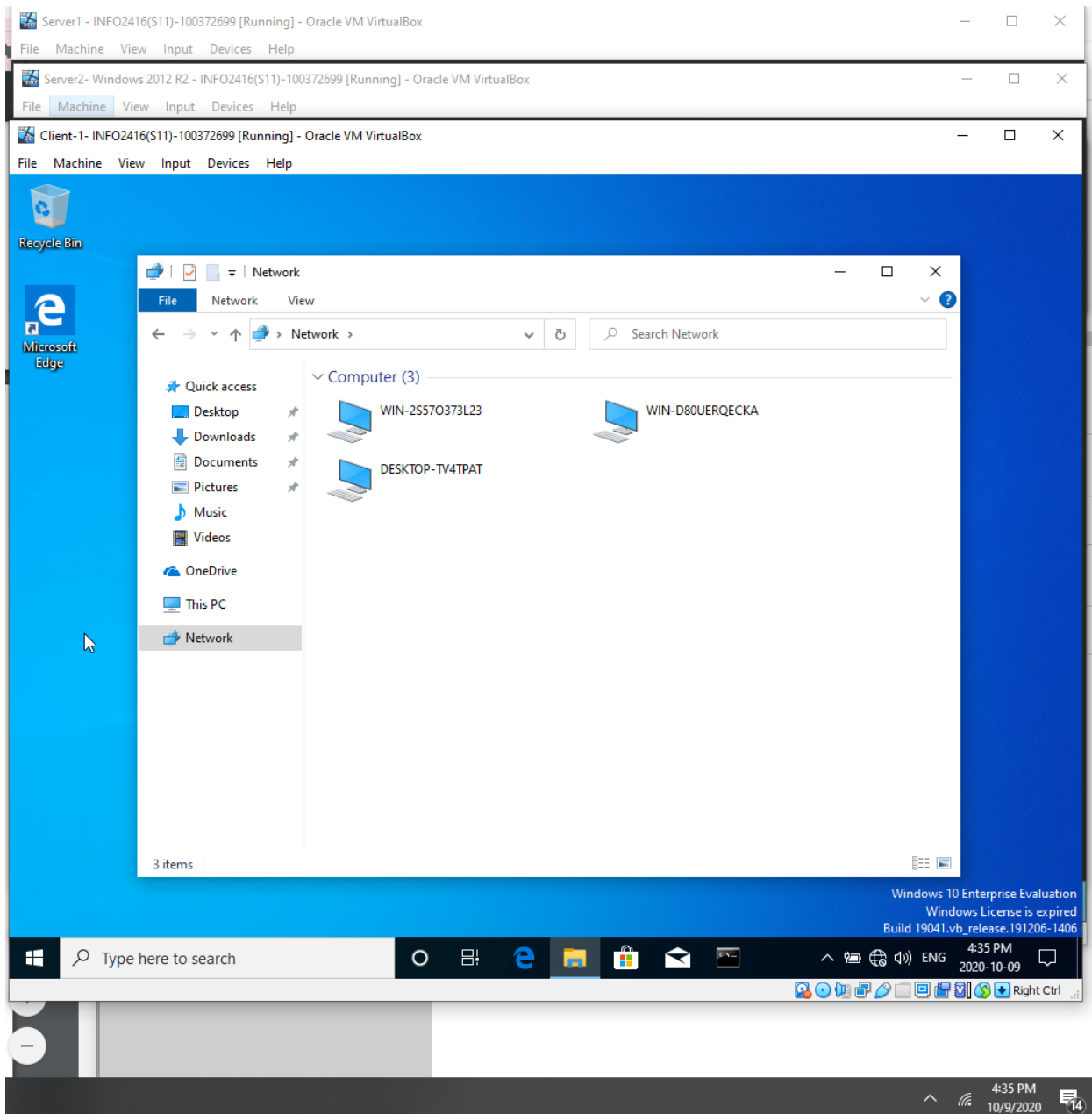
Annze Julia Villena

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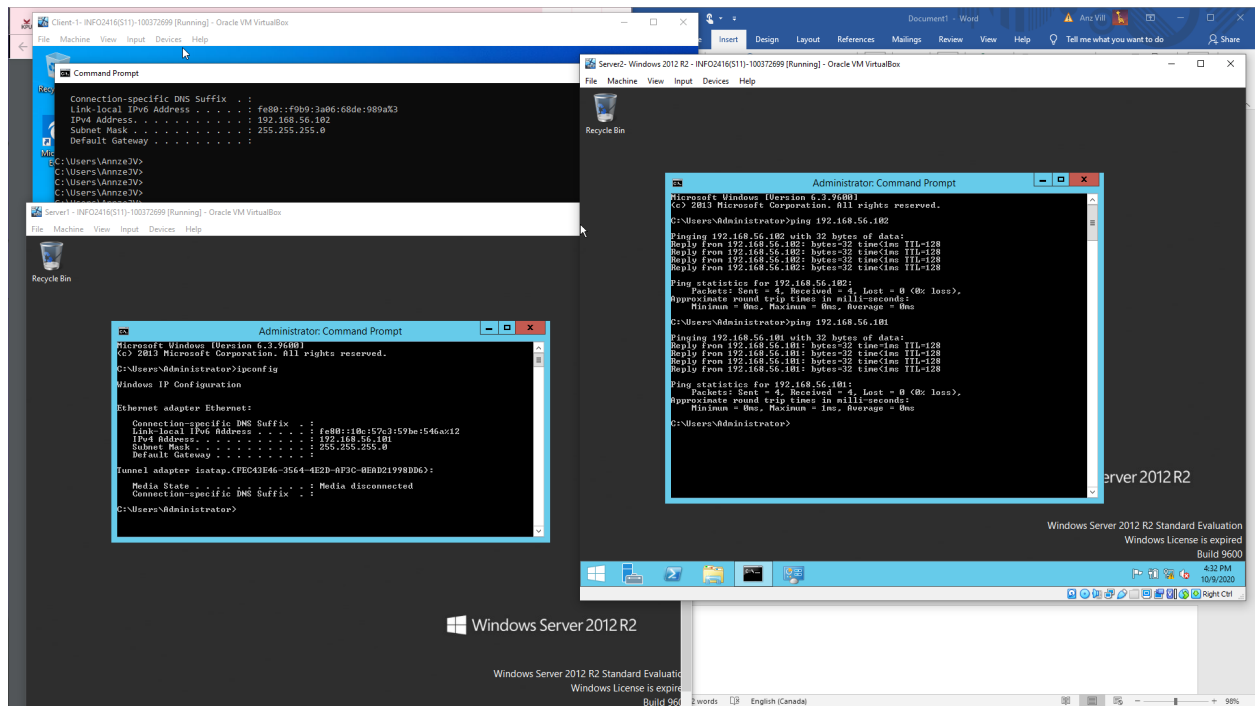
Date Submission: October 9 , 2020

Verify your set up

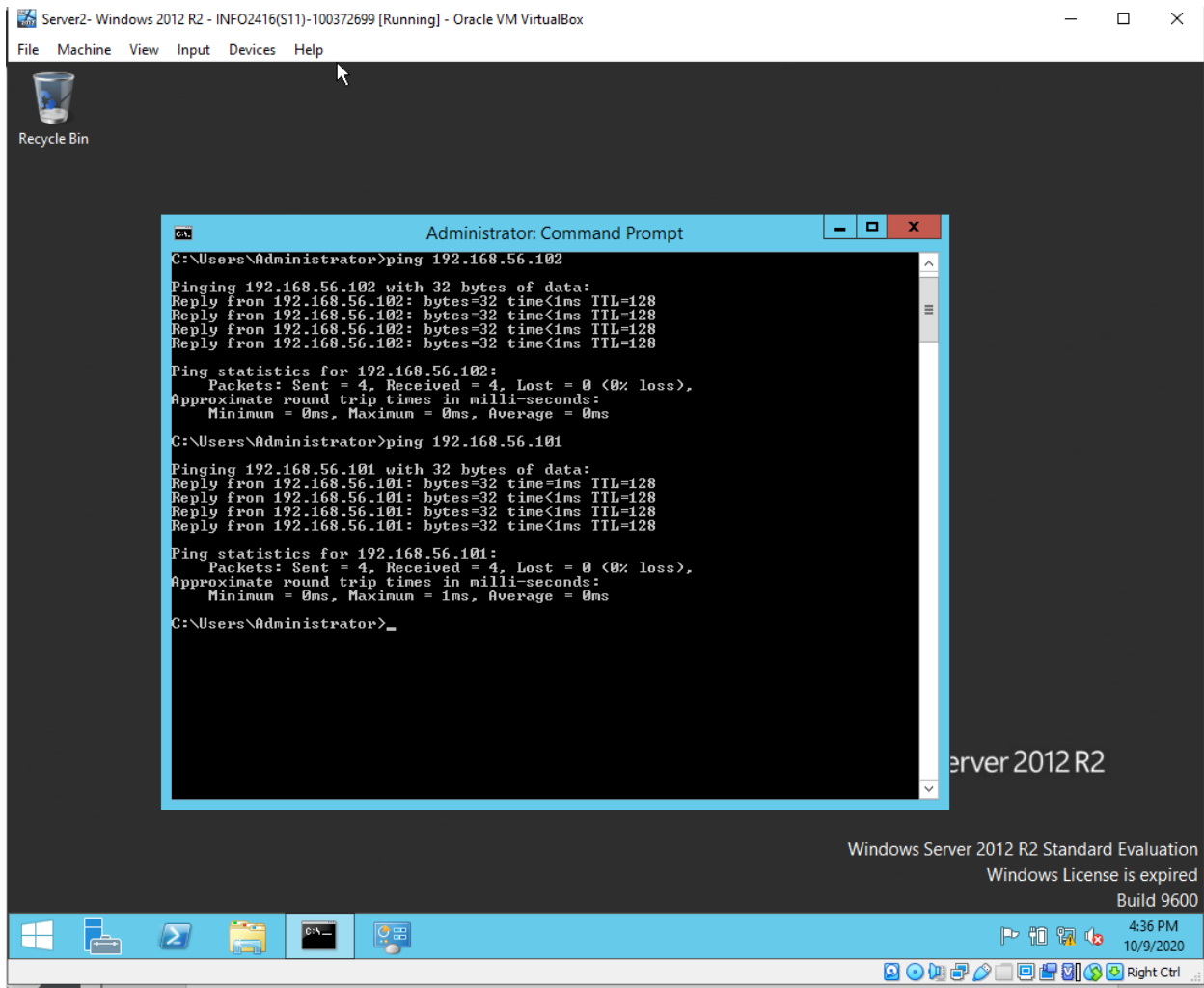
7.a.i) Client VM; all three machines are visible from the File Explorer Network



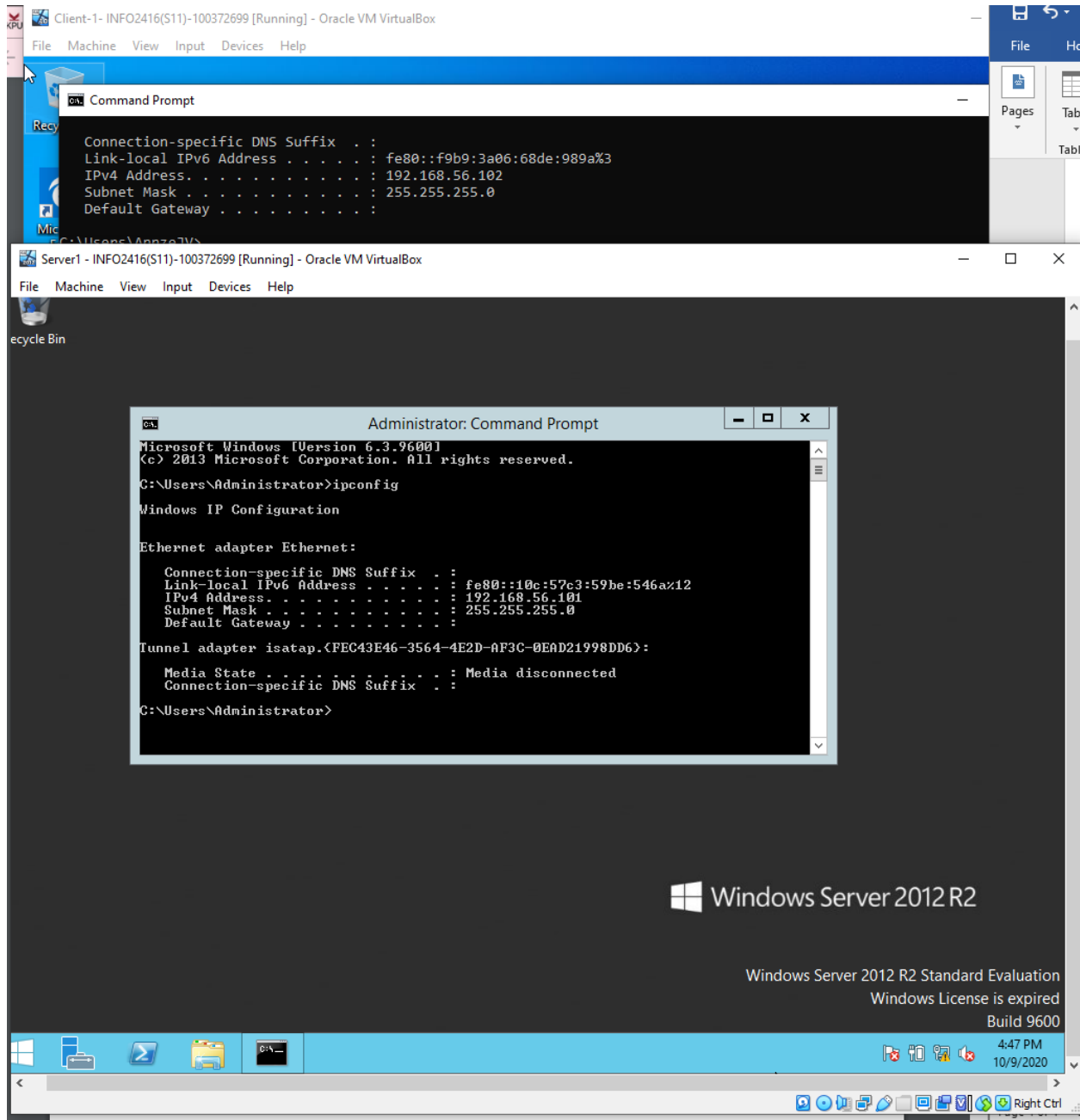
8.c) Server 2; Successful ping with server1 and Client 1



Close up images of 8.c) Server 2



Close up images of 8.c) server 1 and Client 2



12) Host only DHCP server settings enable unchecked along with 1pv4 address/mask for host only ethernet adapter

The screenshot shows the 'Host Network Manager' window. At the top, there are three buttons: 'Create', 'Remove', and 'Properties'. Below these is a table with the following columns: 'Name', 'IPv4 Address/Mask', 'IPv6 Address/Mask', and 'DHCP Server'. The table contains one entry: 'VirtualBox Host-Only Ethernet Adapter' with IPv4 Address/Mask '192.168.56.1/24' and DHCP Server 'Enable' (unchecked). Below the table, there are two tabs: 'Adapter' and 'DHCP Server'. The 'DHCP Server' tab is selected. Under this tab, there are two radio buttons: 'Configure Adapter Automatically' (unchecked) and 'Configure Adapter Manually' (checked). Below these are four text input fields: 'IPv4 Address' (192.168.56.1), 'IPv4 Network Mask' (255.255.255.0), 'IPv6 Address' (fe80::a8bc:3cd5:e331:9667), and 'IPv6 Prefix Length' (64). At the bottom, there are three buttons: 'Reset', 'Apply', and 'Close'.

Name	IPv4 Address/Mask	IPv6 Address/Mask	DHCP Server
VirtualBox Host-Only Ethernet Adapter	192.168.56.1/24		<input type="checkbox"/> Enable

Adapter | DHCP Server

☐ Configure Adapter Automatically

☒ Configure Adapter Manually

IPv4 Address: 192.168.56.1

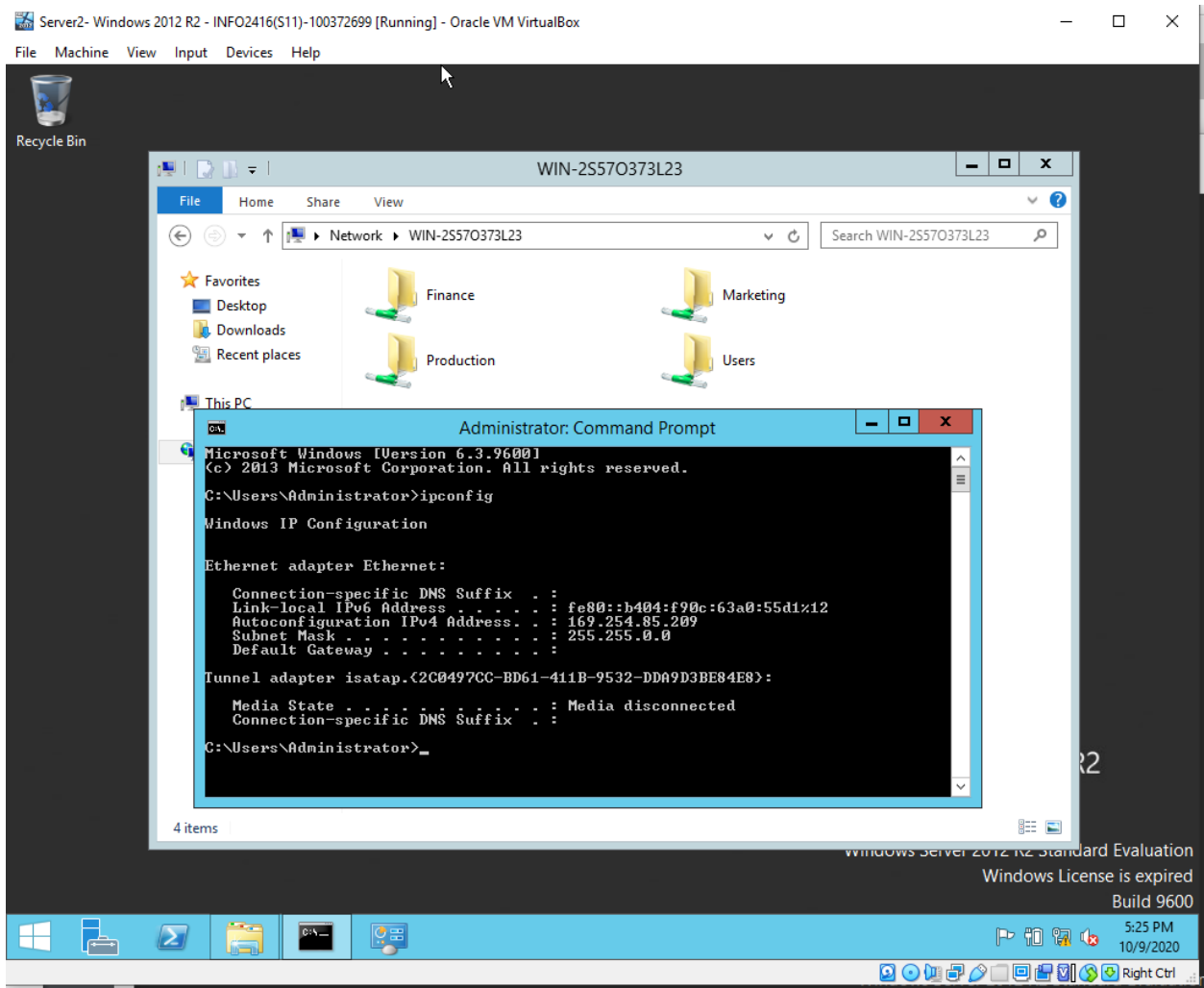
IPv4 Network Mask: 255.255.255.0

IPv6 Address: fe80::a8bc:3cd5:e331:9667

IPv6 Prefix Length: 64

Reset | Apply | Close

15.c) Server2 Command prompt with ipconfig and file explorer showing folders



18.a) Host Only DHCP Server settings with box enabled

The screenshot shows the 'Host Network Manager' window. At the top, there are three icons: 'Create' (green plus), 'Remove' (red minus), and 'Properties' (blue gear). Below these is a table with the following data:

Name	IPv4 Address/Mask	IPv6 Address/Mask	DHCP Server
VirtualBox Host-Only Ethernet Adapter	192.168.56.1/24		<input checked="" type="checkbox"/> Enable

Below the table, there are two tabs: 'Adapter' and 'DHCP Server'. The 'DHCP Server' tab is selected. It contains two radio buttons: 'Configure Adapter Automatically' (unselected) and 'Configure Adapter Manually' (selected). Below these are four input fields:

- IPv4 Address: 192.168.56.1
- IPv4 Network Mask: 255.255.255.0
- IPv6 Address: fe80::a8bc:3cd5:e331:9667
- IPv6 Prefix Length: 64

At the bottom of the window, there are three buttons: 'Reset', 'Apply', and 'Close'.

22.a.ix) Server 1 static ip address of 192.168.56.10 – host id of 10

