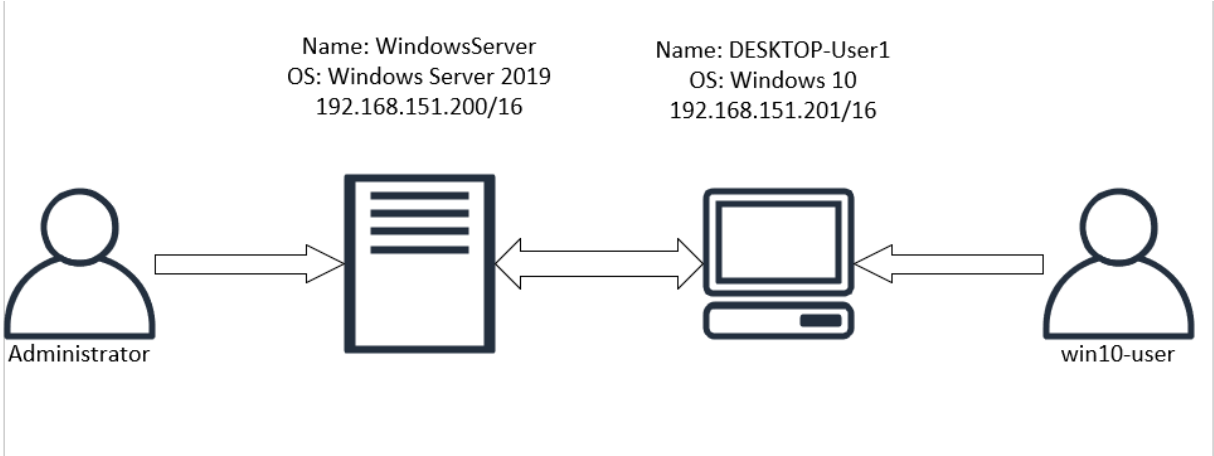
Nicholas Suchy – CMPT419 Section 721 – Lab 1

Description:

For this lab, we were to configure our chosen hypervisor, configure a windows lab environment, and lastly download and run Kali Linux. This lab involved setting up our chosen Windows Domain Controller as a DNS server and creating a new user within the newly created group.

Topology:



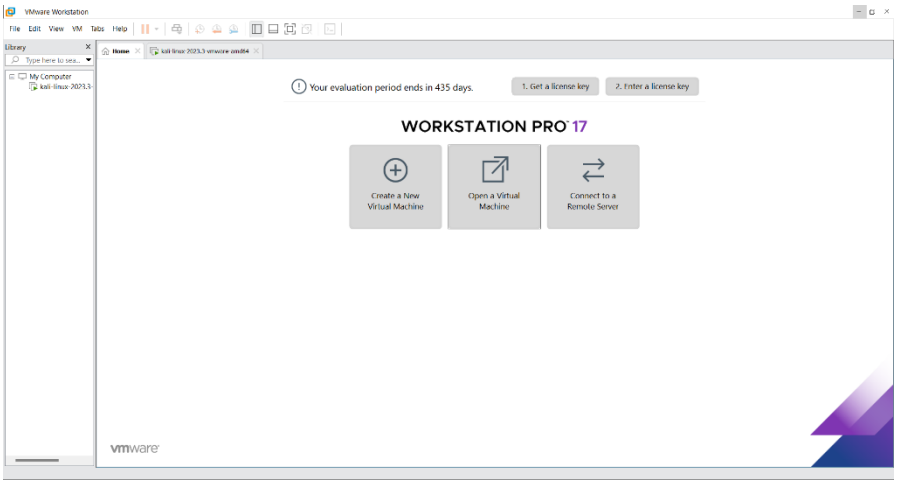
Key Syntax:

Command	Description
ping *A.B.C.D*	Pings and IP address
nslookup *domain name*	Calls domain name and shows the IP address it is matched too

Verification:

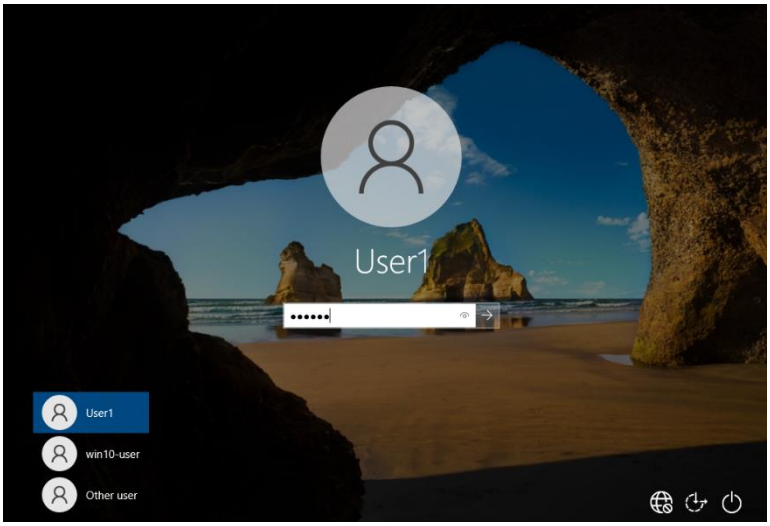
Task One:

1. A screenshot of VMware downloaded and running

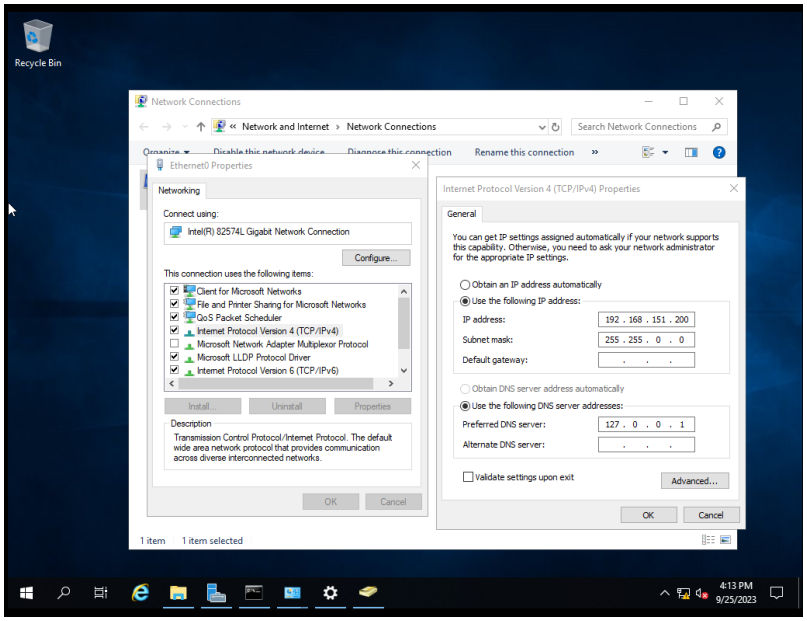


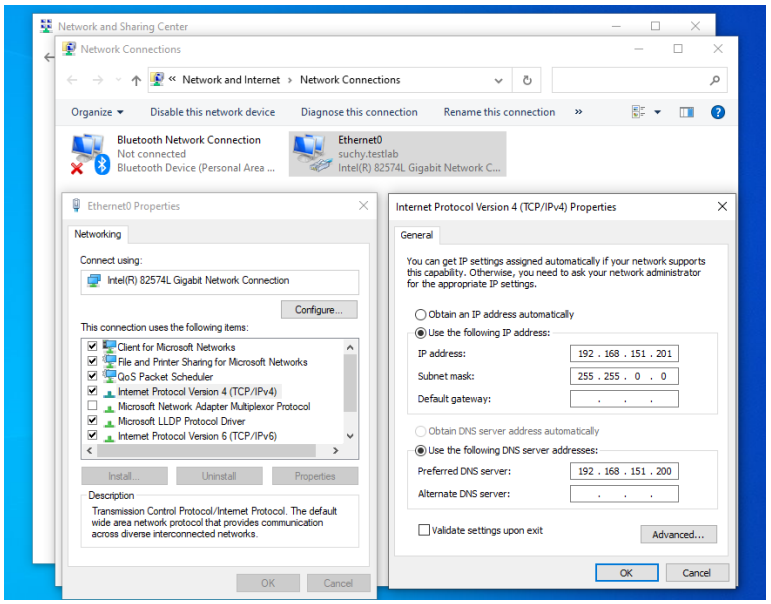
Task Two:

1. A screenshot of the Administrator account logging into the Windows Server 2019 and User1 logging into Windows 10

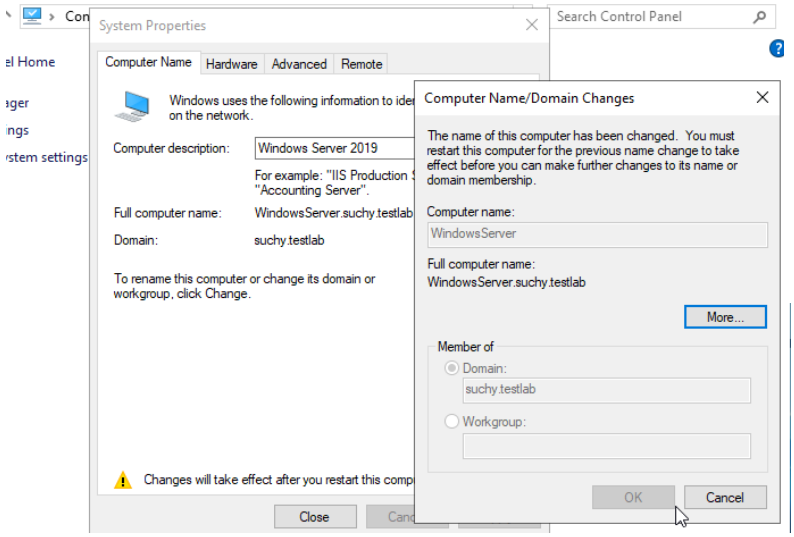


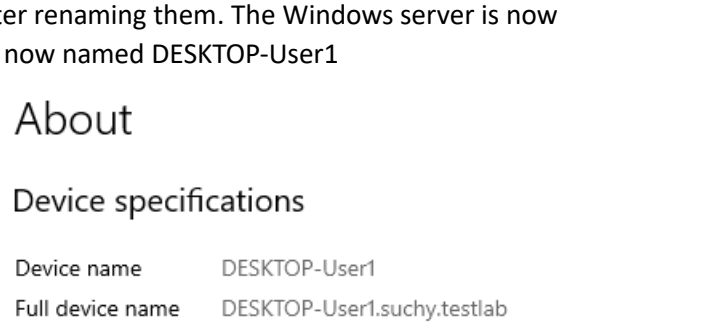
2. Screenshots of setting up static routing on Windows Server 2019 and Windows 10



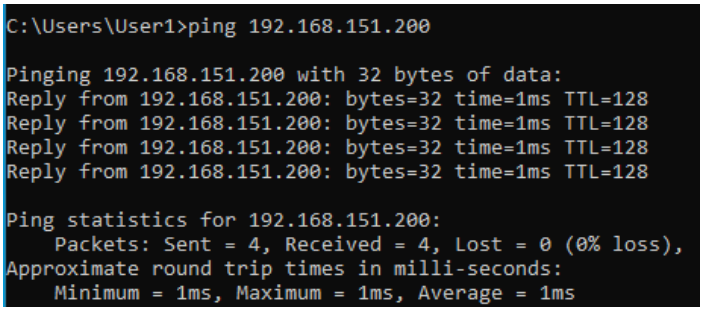


3. A screenshot of the new names of the hosts after renaming them. The Windows server is now called WindowsServer and the Client version is now named DESKTOP-User1

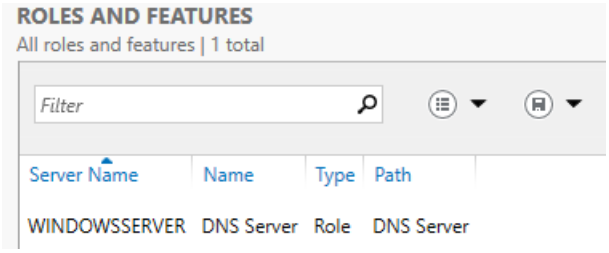


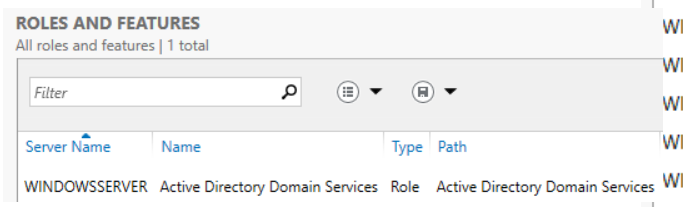


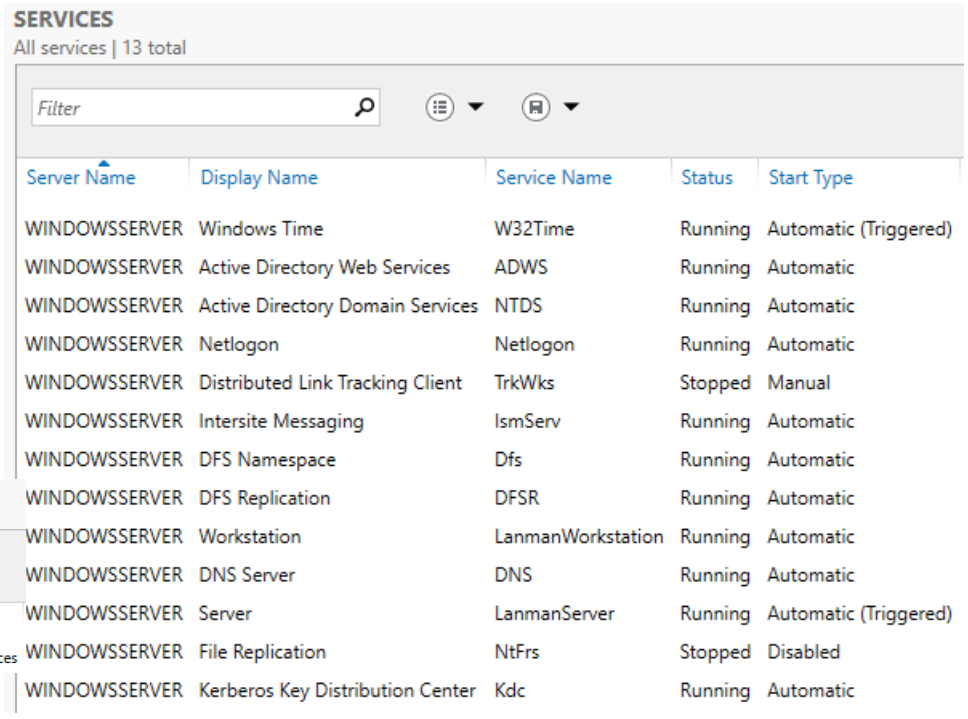
4. A screenshot of DESKTOP-User1 pinging WindowsServer demonstrating connection



5. Screenshots of WindowsServer's current roles and the services it provides





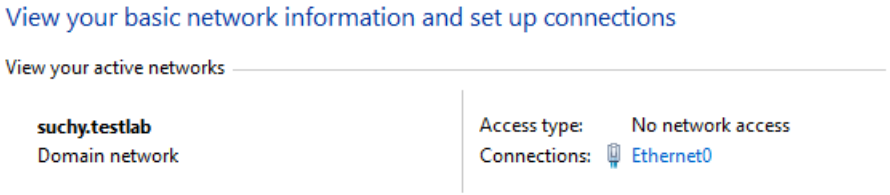


6. A screenshot of DESKTOP-User1 able to locate WindowsServer using nslookup

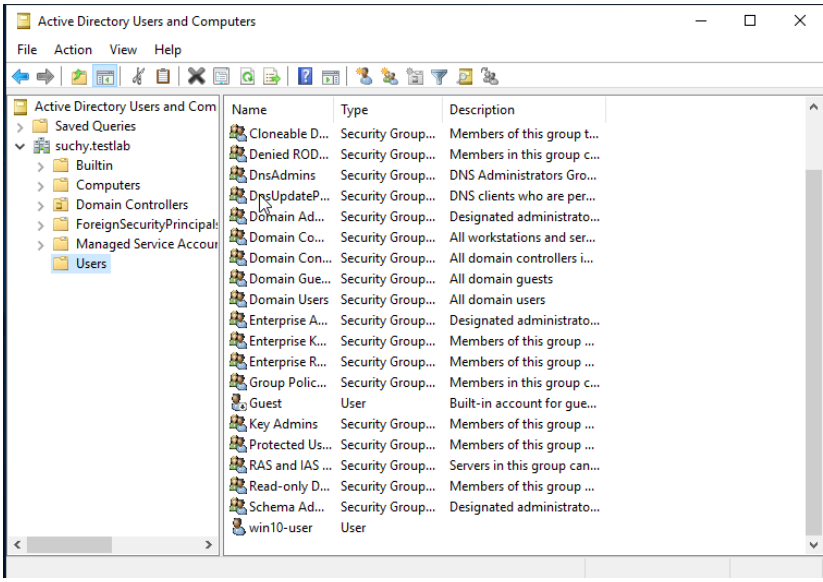
```
C:\Users\User1>nslookup suchy.testlab
DNS request timed out.
    timeout was 2 seconds.
Server:  UnKnown
Address:  192.168.151.200

Name:    suchy.testlab
Address:  192.168.151.200
```

7. A screenshot showing that DESKTOP-User1 is connected to the suchy.testlab domain



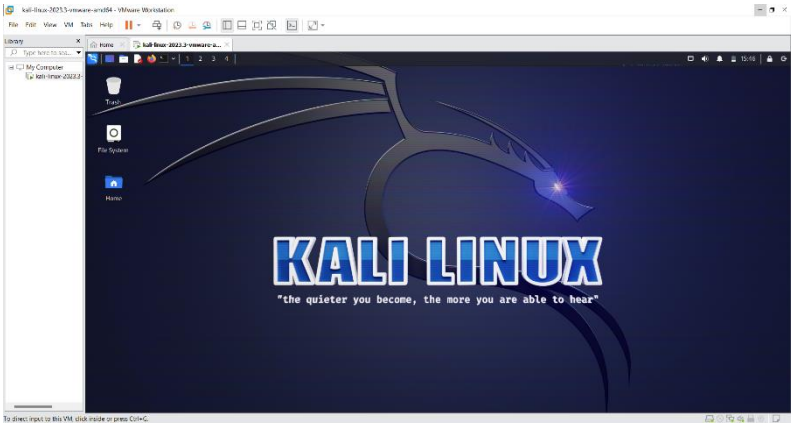
8. A screenshot showing a new user, win10-user, has been created and added to the suchy.testlab domain



9. A screenshot showing the newly created, win10-user account logging into DESKTOP-User1

Task Three:

1. A screenshot of Kali running on VMware



Conclusion:

This lab went along smoothly. The link provided in the lab instructions was extremely helpful when it came to setting up my virtual Windows Environment. The most trouble I had with this lab was the lack of familiarity with requirements for submission. For example, I was unsure if my topology is good enough. But as the semester goes on this problem should go away.

References:

Setting Up a Windows Lab Environment – thehackerplaybook.com