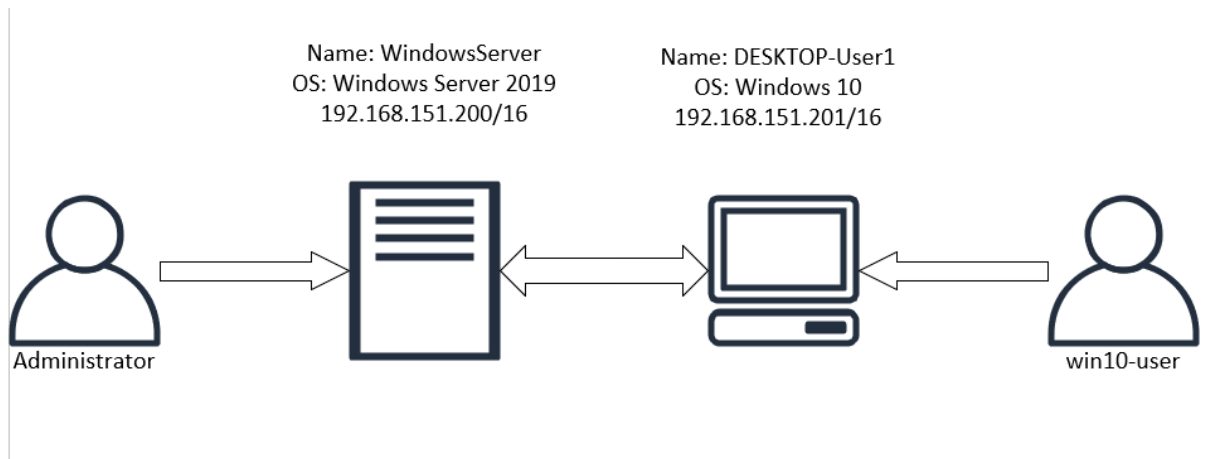


## Description:

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:



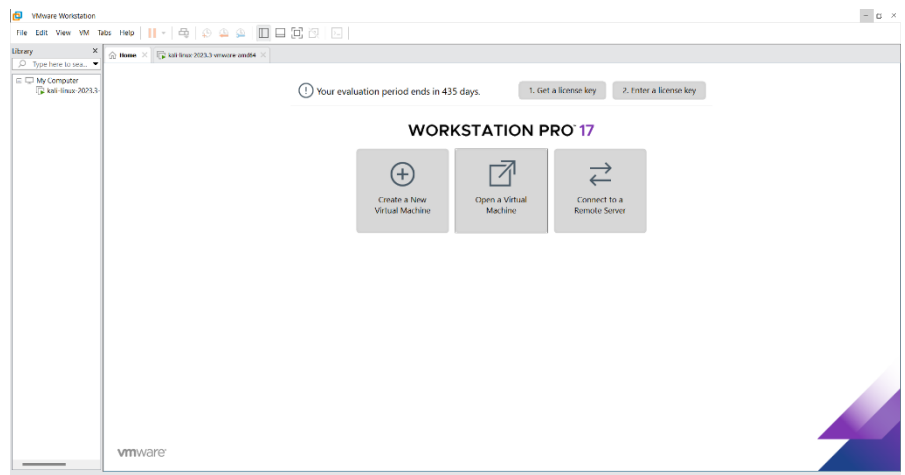
## Key Syntax:

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

## Verification:

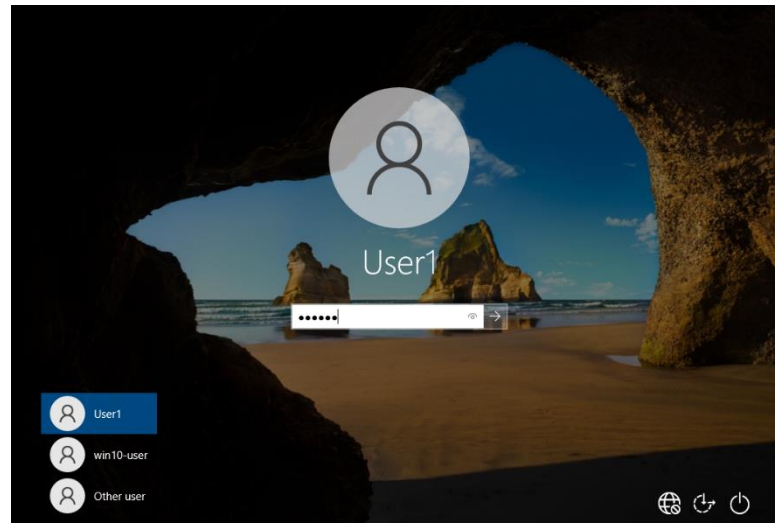
Task One:

1. A screenshot of VMware downloaded and running

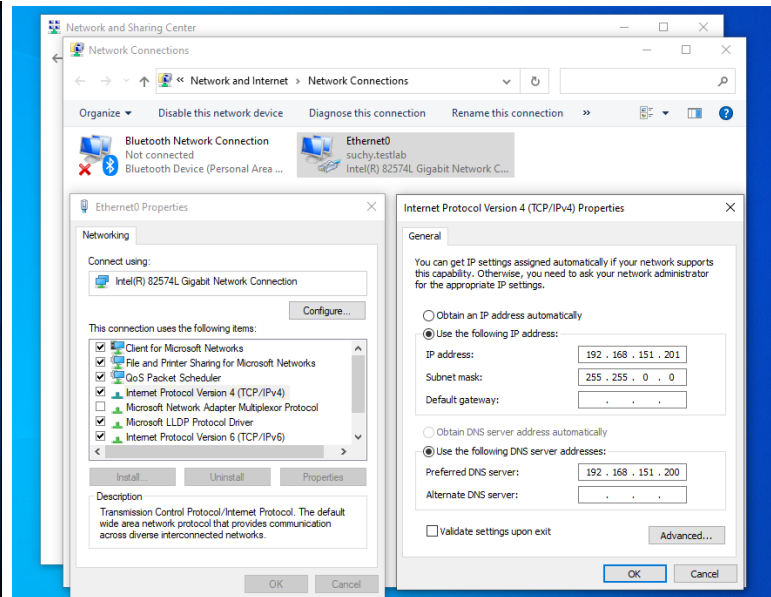
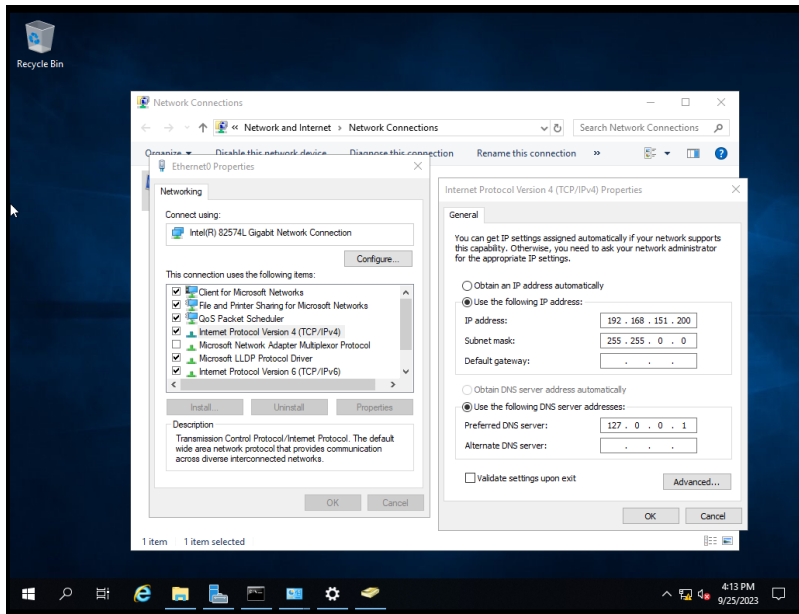


## Task Two:

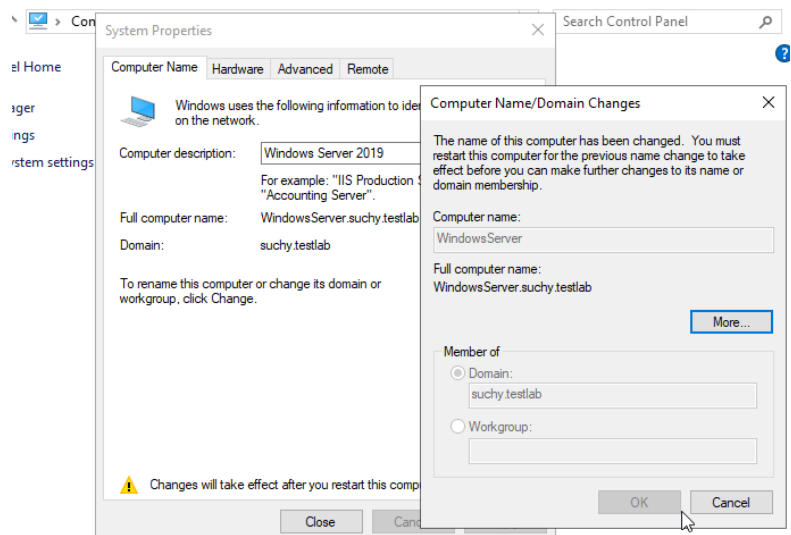
1. A screenshot of the Administrator account logging into the Windows Server 2019 and User1 logging into Windows 10



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



## About

### Device specifications

Device name	DESKTOP-User1
Full device name	DESKTOP-User1.suchy.testlab
Processor	11th Gen Intel(R) Core(TM) i7-1185G7 @ 3.00GHz 3.00 GHz (2 processors)

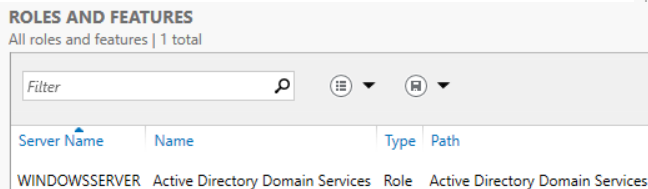
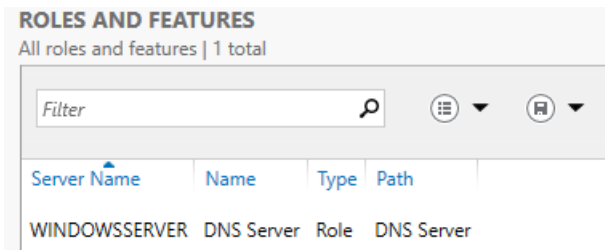
```
C:\Users\User1>ping 192.168.151.200

Pinging 192.168.151.200 with 32 bytes of data:
Reply from 192.168.151.200: bytes=32 time=1ms TTL=128
Reply from 192.168.151.200: bytes=32 time=1ms TTL=128
Reply from 192.168.151.200: bytes=32 time=1ms TTL=128
Reply from 192.168.151.200: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.151.200:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms
```

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

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



SERVICES				
All services   13 total				
Server Name	Display Name	Service Name	Status	Start Type
WINDOWSSERVER	Windows Time	W32Time	Running	Automatic (Triggered)
WINDOWSSERVER	Active Directory Web Services	ADWS	Running	Automatic
WINDOWSSERVER	Active Directory Domain Services	NTDS	Running	Automatic
WINDOWSSERVER	Netlogon	Netlogon	Running	Automatic
WINDOWSSERVER	Distributed Link Tracking Client	TrkWks	Stopped	Manual
WINDOWSSERVER	Intersite Messaging	IsmServ	Running	Automatic
WINDOWSSERVER	DFS Namespace	Dfs	Running	Automatic
WINDOWSSERVER	DFS Replication	DFSR	Running	Automatic
WINDOWSSERVER	Workstation	LanmanWorkstation	Running	Automatic
WINDOWSSERVER	DNS Server	DNS	Running	Automatic
WINDOWSSERVER	Server	LanmanServer	Running	Automatic (Triggered)
WINDOWSSERVER	File Replication	NtFrs	Stopped	Disabled
WINDOWSSERVER	Kerberos Key Distribution Center	Kdc	Running	Automatic

6. A screenshot of DESKTOP-User1 able to locate WindowsServer using nslookup
7. A screenshot showing that DESKTOP-User1 is connected to the suchy.testlab domain

```
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
```

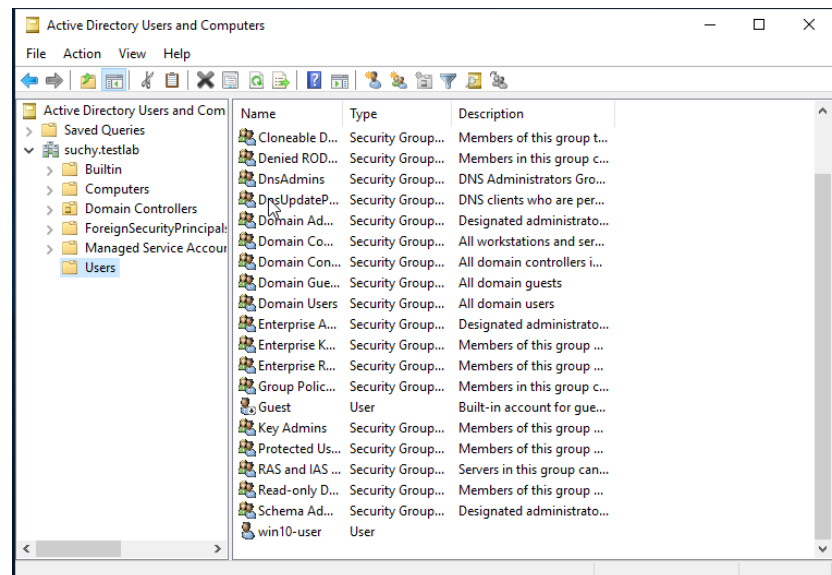
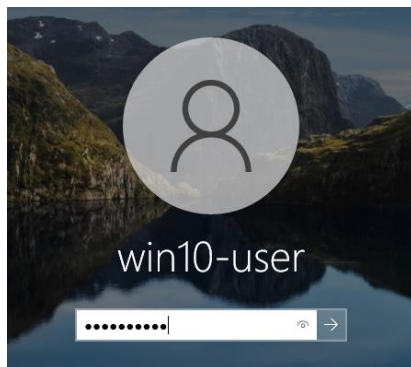
### View your basic network information and set up connections

View your active networks

**suchy.testlab**  
Domain network

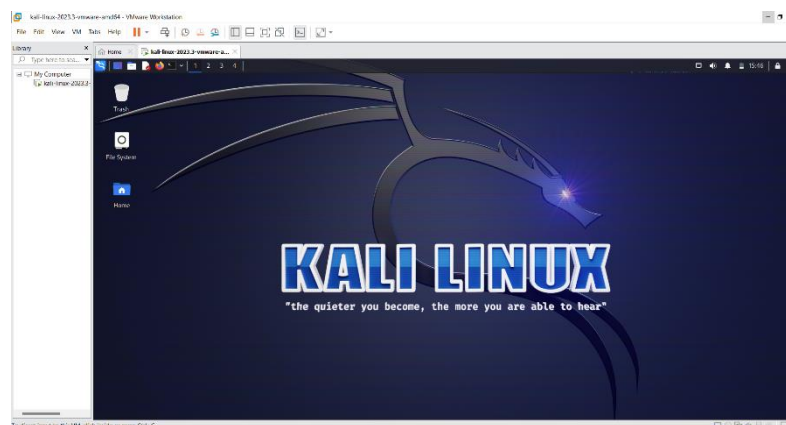
Access type: No network access  
Connections: Ethernet0

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