

INFO 2416 S11

Assignment 2: Configuring Active Directory Domain Services (AD DS)
and DNS

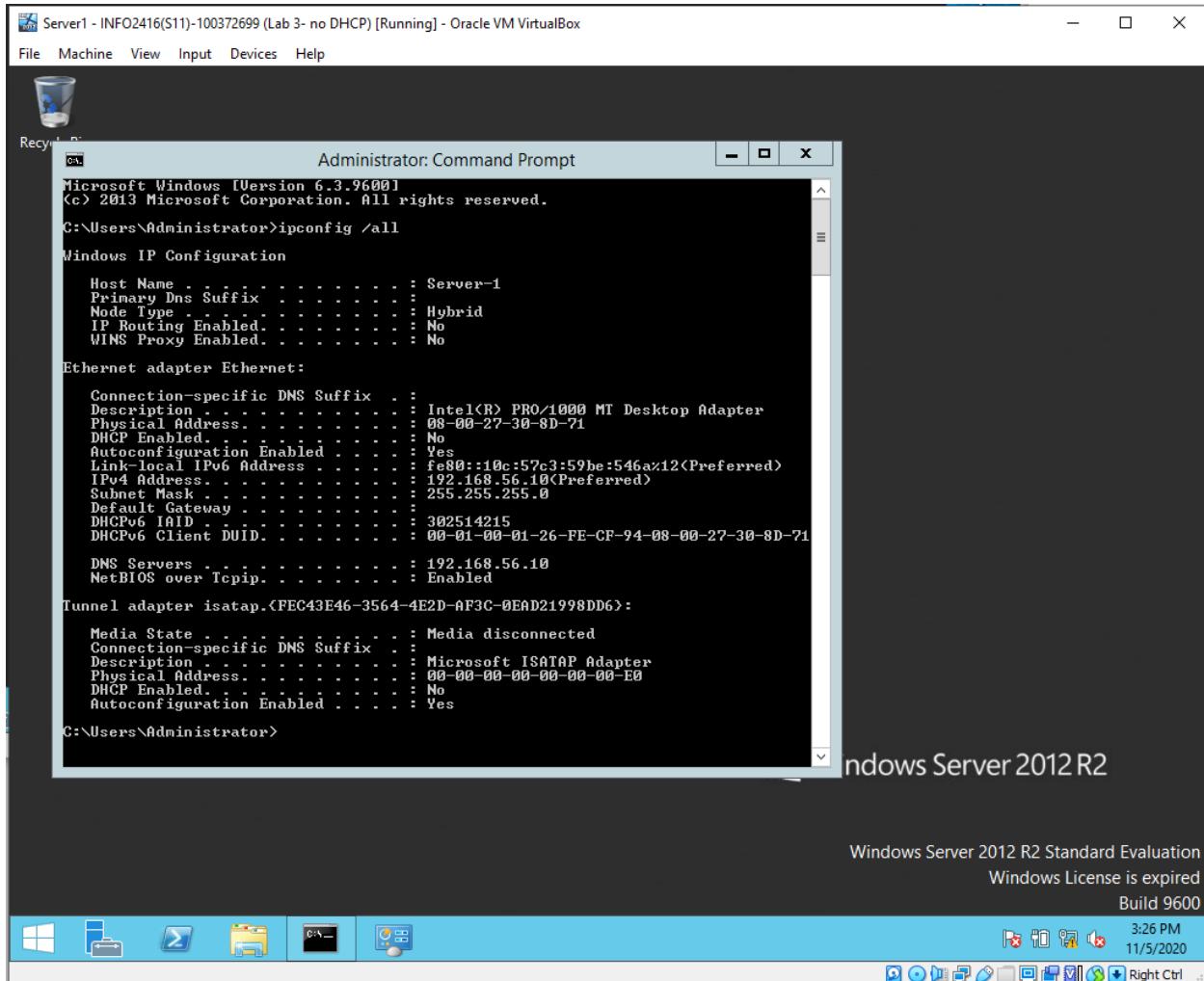
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100372699

Date Submission: November 5, 2020

Set up active Directory Domain Services and DNS

4.c.vii) ipconfig /all on Server 1



```
Server1 - INFO2416(S11)-100372699 (Lab 3- no DHCP) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600]
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C:\Users\Administrator>ipconfig /all
Windows IP Configuration

Host Name . . . . . : Server-1
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet:

Connection-specific DNS Suffix . . . . . :
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address . . . . . : 08-00-27-30-8D-71
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::10c:57c3:59be:546ax12<Preferred>
    IPv4 Address . . . . . : 192.168.56.10<Preferred>
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :
    DHCPv6 IID . . . . . : 302514215
    DHCPv6 Client DUID. . . . . : 00-01-00-01-26-PE-CF-94-08-00-27-30-8D-71
    DNS Servers . . . . . : 192.168.56.10
    NetBIOS over Tcpip. . . . . : Enabled

Tunnel adapter isatap.<FEC43E46-3564-4E2D-AF3C-0EAD21998DD6>:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . . . . :
Description . . . . . : Microsoft ISATAP Adapter
Physical Address . . . . . : 00-00-00-00-00-00-E0
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes

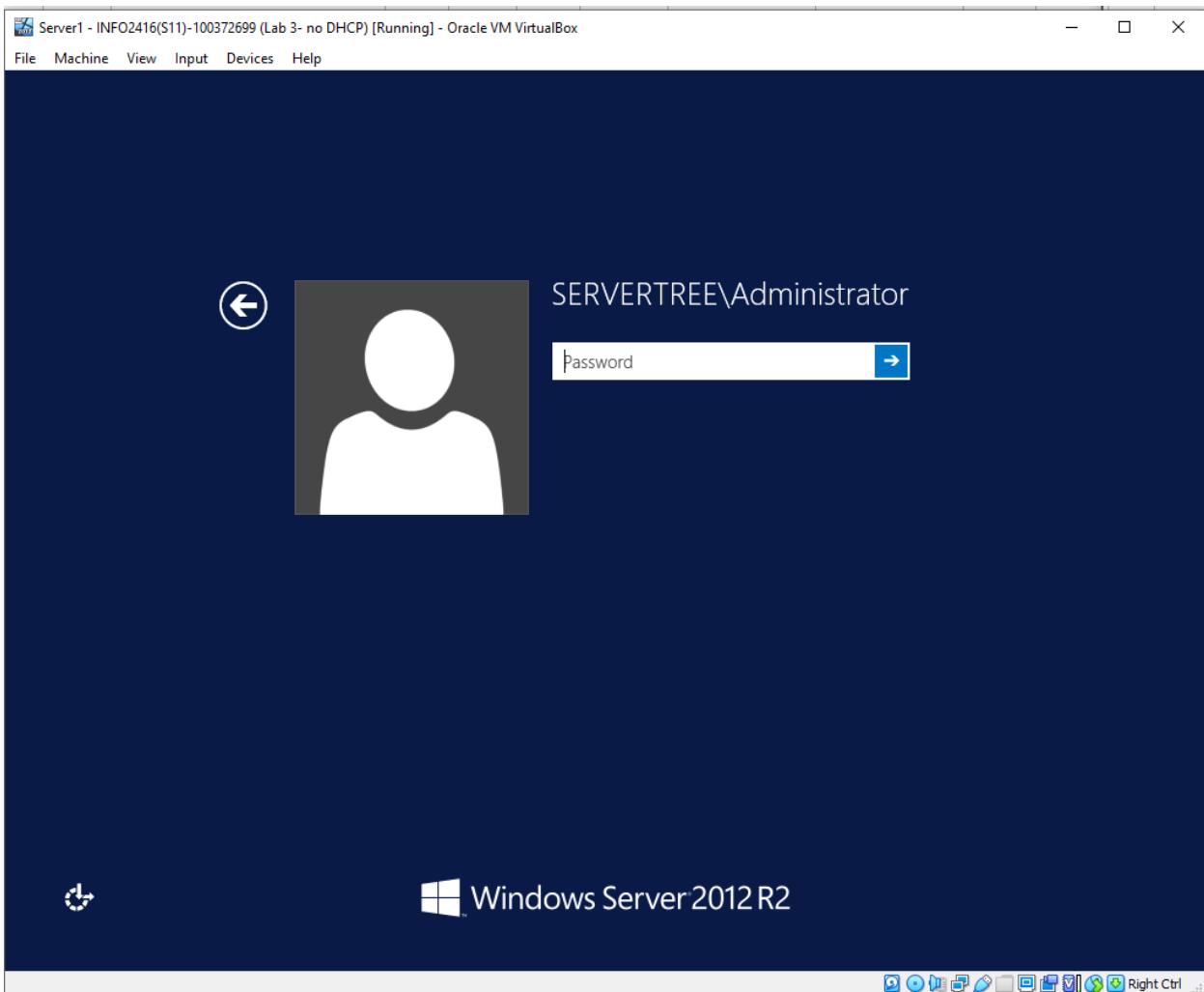
C:\Users\Administrator>
```

Windows Server 2012 R2

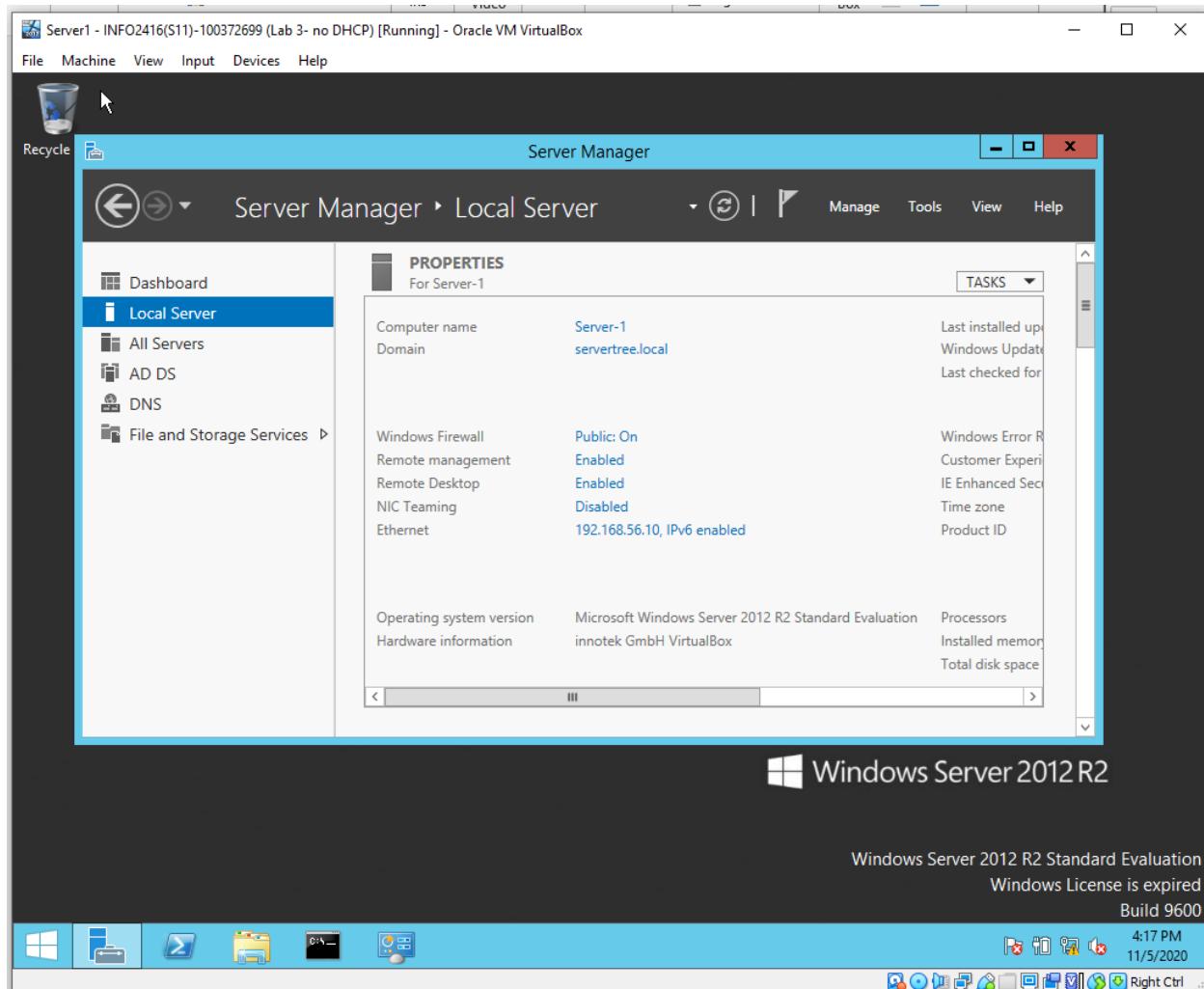
Windows Server 2012 R2 Standard Evaluation
Windows License is expired
Build 9600

3:26 PM
11/5/2020

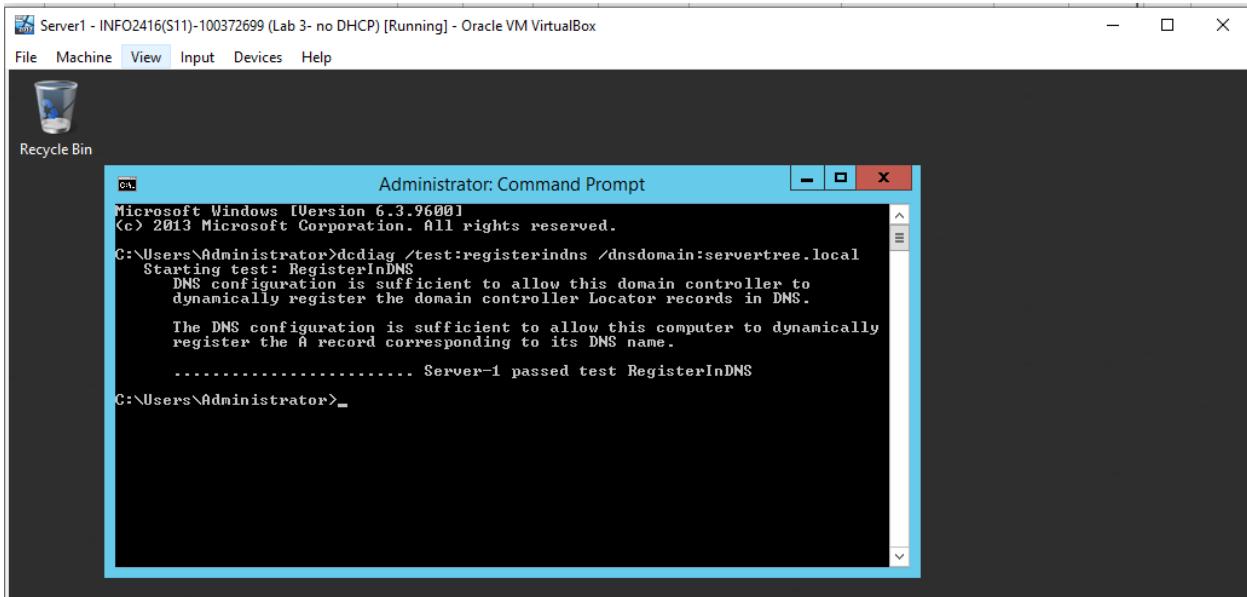
4.f.ii) NetBIOS SERVERTREE\administrator



4.f.iv) server 1 – server manager with local server and AD DS and DNS visible



4.g.ii) server 1 command prompt dcdiag command



Administrator: Command Prompt

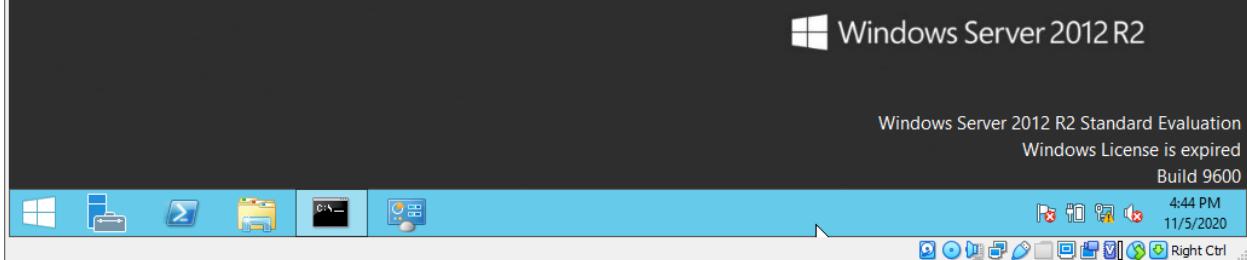
```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>dcdiag /test:registerindns /dnsdomain:servertree.local
Starting test: RegisterInDNS
DNS configuration is sufficient to allow this domain controller to
dynamically register the domain controller Locator records in DNS.

The DNS configuration is sufficient to allow this computer to dynamically
register the A record corresponding to its DNS name.

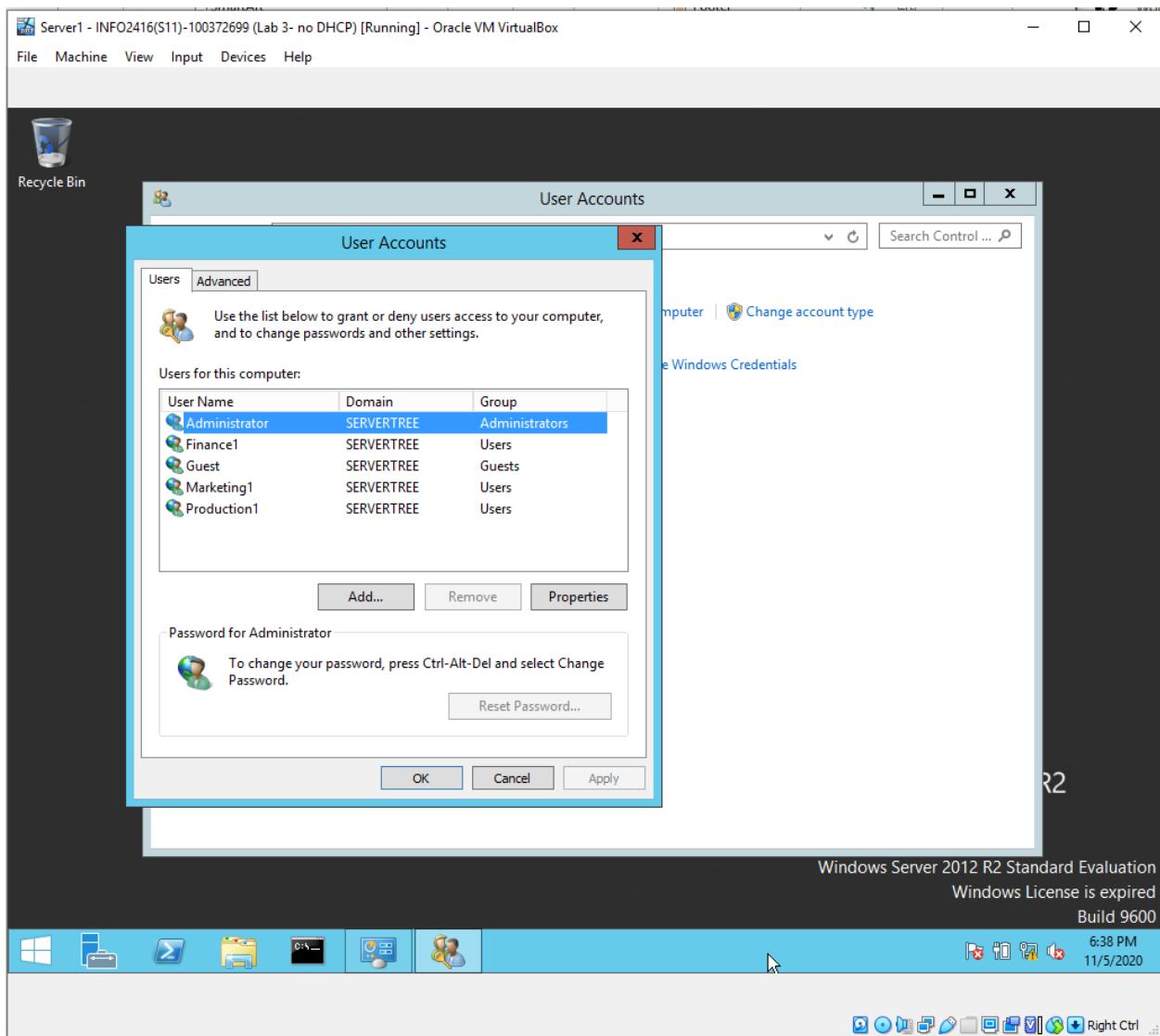
..... Server-1 passed test RegisterInDNS

C:\Users\Administrator>
```



5.a.ii) When a user tries to log into a computer that is not part of the domain its authentication will be denied because it does not have permission to access the domain of the computer

5.a.iii) list of user accounts on server 1



5.b.vii) list of user accounts

Server1 - INFO2416(S11)-100372699 (Lab 3- no DHCP) [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Recycle Server Manager

Active Directory Users and Computers

File Action View Help

Active Directory Users and Computers

Name Type Description

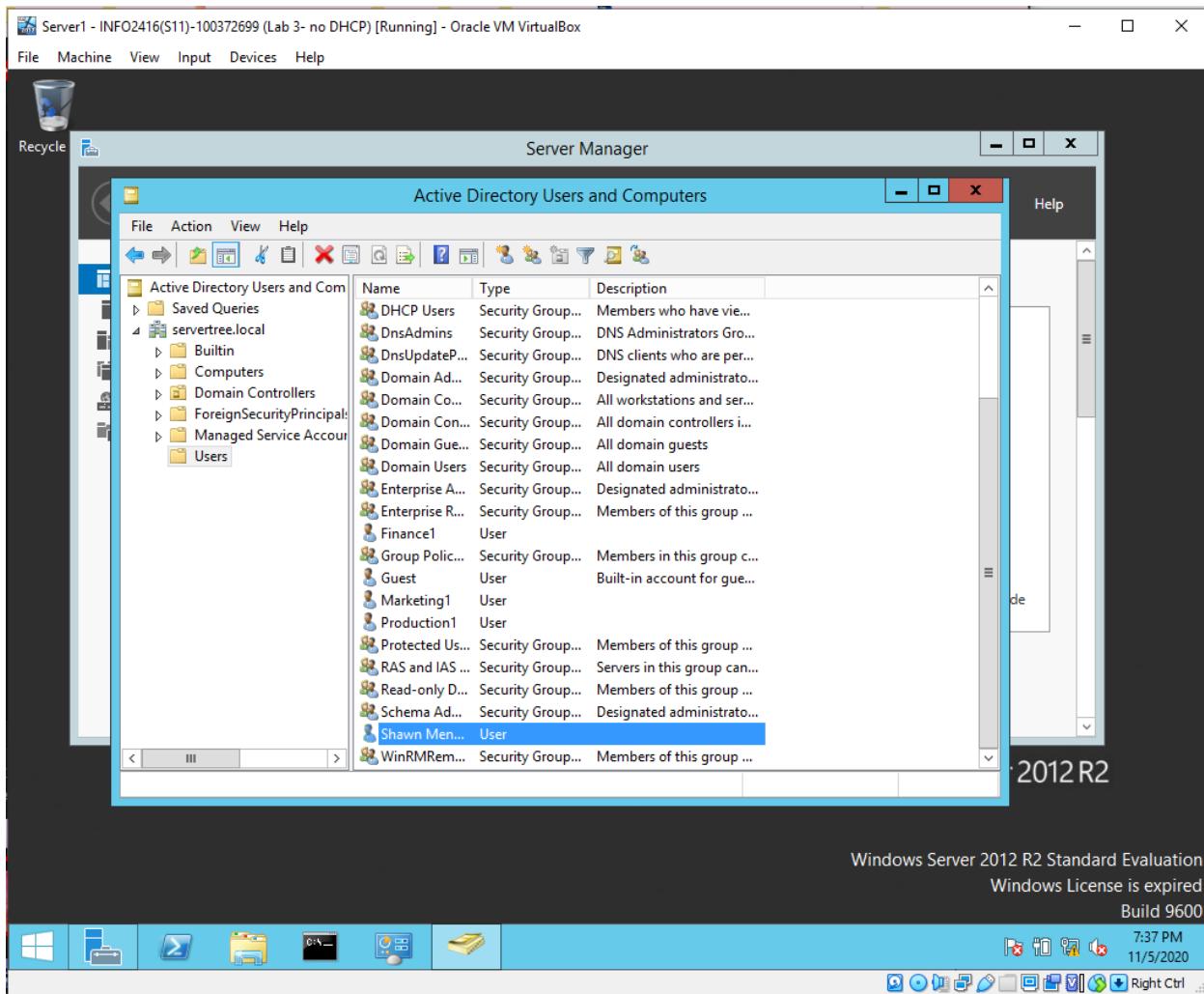
Name	Type	Description
DHCP Users	Security Group...	Members who have vie...
DnsAdmins	Security Group...	DNS Administrators Gro...
DnsUpdateP...	Security Group...	DNS clients who are per...
Domain Ad...	Security Group...	Designated administrato...
Domain Co...	Security Group...	All workstations and ser...
Domain Con...	Security Group...	All domain controllers i...
Domain Gue...	Security Group...	All domain guests
Domain Users	Security Group...	All domain users
Enterprise A...	Security Group...	Designated administrato...
Enterprise R...	Security Group...	Members of this group ...
Finance1	User	
Group Polic...	Security Group...	Members in this group c...
Guest	User	Built-in account for gue...
Marketing1	User	
Production1	User	
Protected Us...	Security Group...	Members of this group ...
RAS and IAS ...	Security Group...	Servers in this group can...
Read-only D...	Security Group...	Members of this group ...
Schema Ad...	Security Group...	Designated administrato...
Shawn Men...	User	
WinRMRem...	Security Group...	Members of this group ...

2012 R2

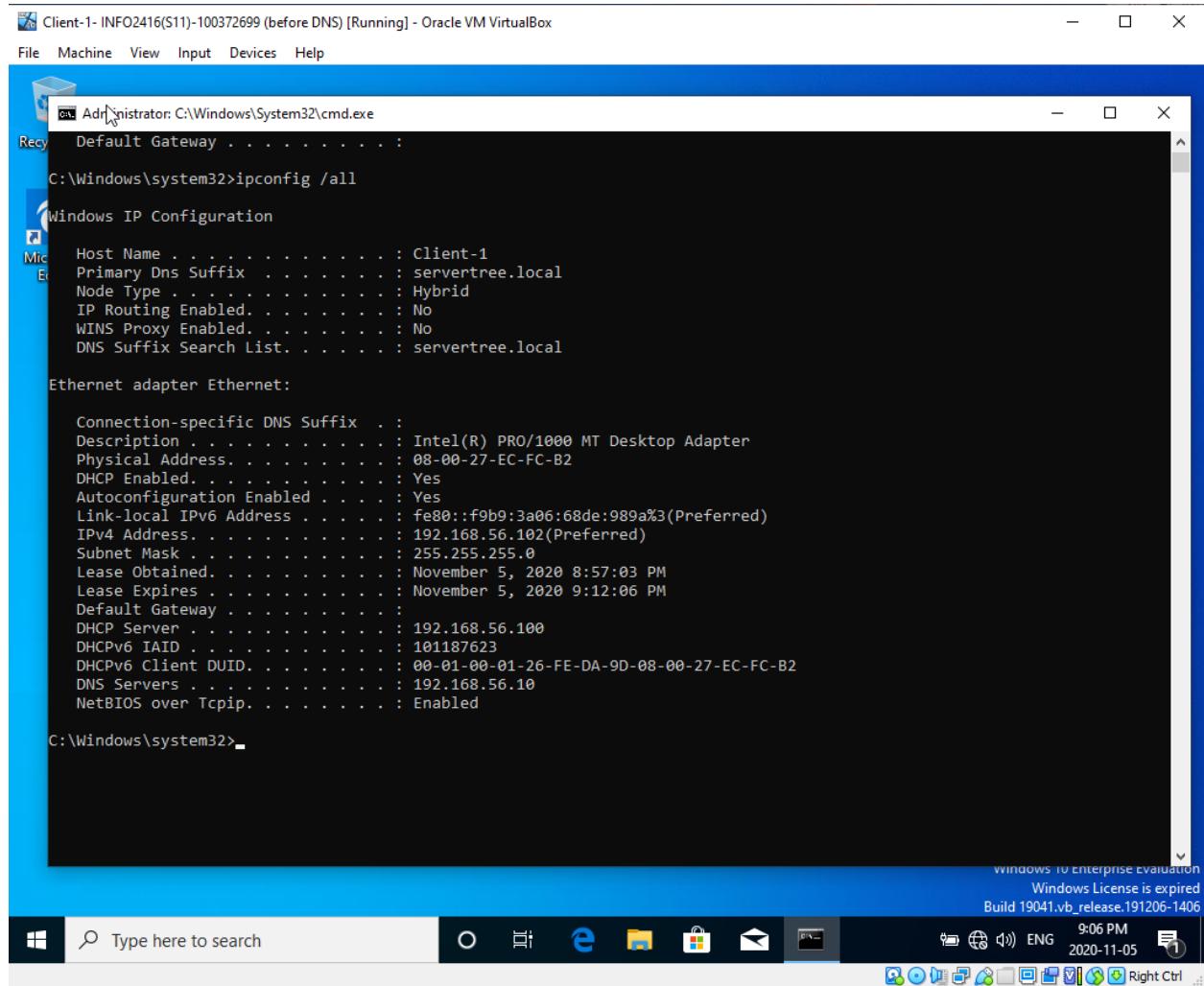
Windows Server 2012 R2 Standard Evaluation
Windows License is expired
Build 9600

7:37 PM
11/5/2020

Right Ctrl



6.b.ii.3) client 1 ipconfig /all



```
Administrator: C:\Windows\System32\cmd.exe
Default Gateway . . . . . :
C:\Windows\system32>ipconfig /all
Windows IP Configuration

Host Name . . . . . : Client-1
Primary Dns Suffix . . . . . : servertree.local
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : servertree.local

Ethernet adapter Ethernet:

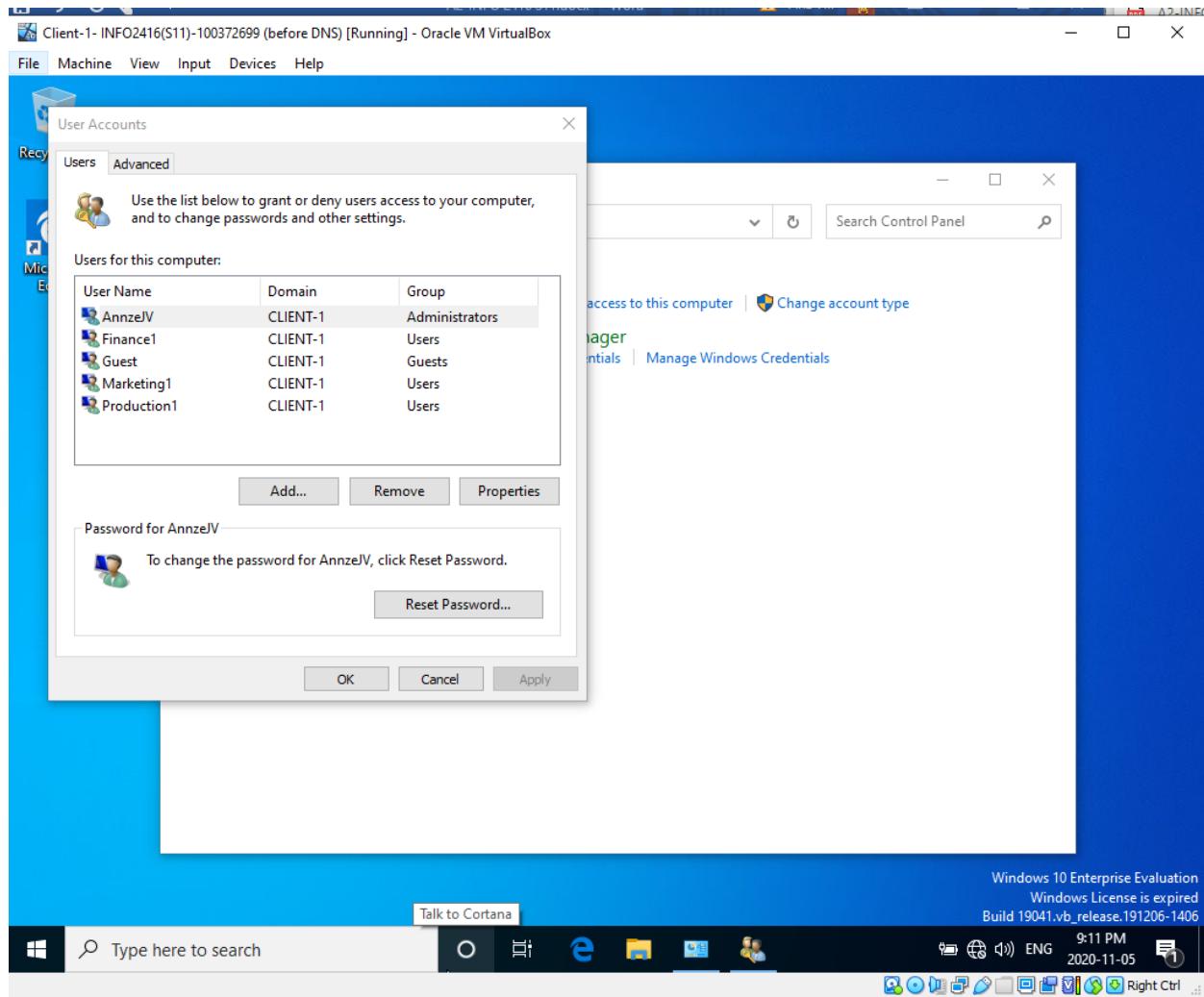
Connection-specific DNS Suffix . . . . . :
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-EC-FC-B2
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::f9b9:3a06:68de:989a%3(PREFERRED)
IPv4 Address. . . . . : 192.168.56.102(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : November 5, 2020 8:57:03 PM
Lease Expires . . . . . : November 5, 2020 9:12:06 PM
Default Gateway . . . . . :
DHCP Server . . . . . : 192.168.56.100
DHCPv6 IAID . . . . . : 101187623
DHCPv6 Client DUID. . . . . : 00-01-00-01-26-FE-DA-9D-08-00-27-EC-FC-B2
DNS Servers . . . . . : 192.168.56.10
NetBIOS over Tcpip. . . . . : Enabled

C:\Windows\system32>
```

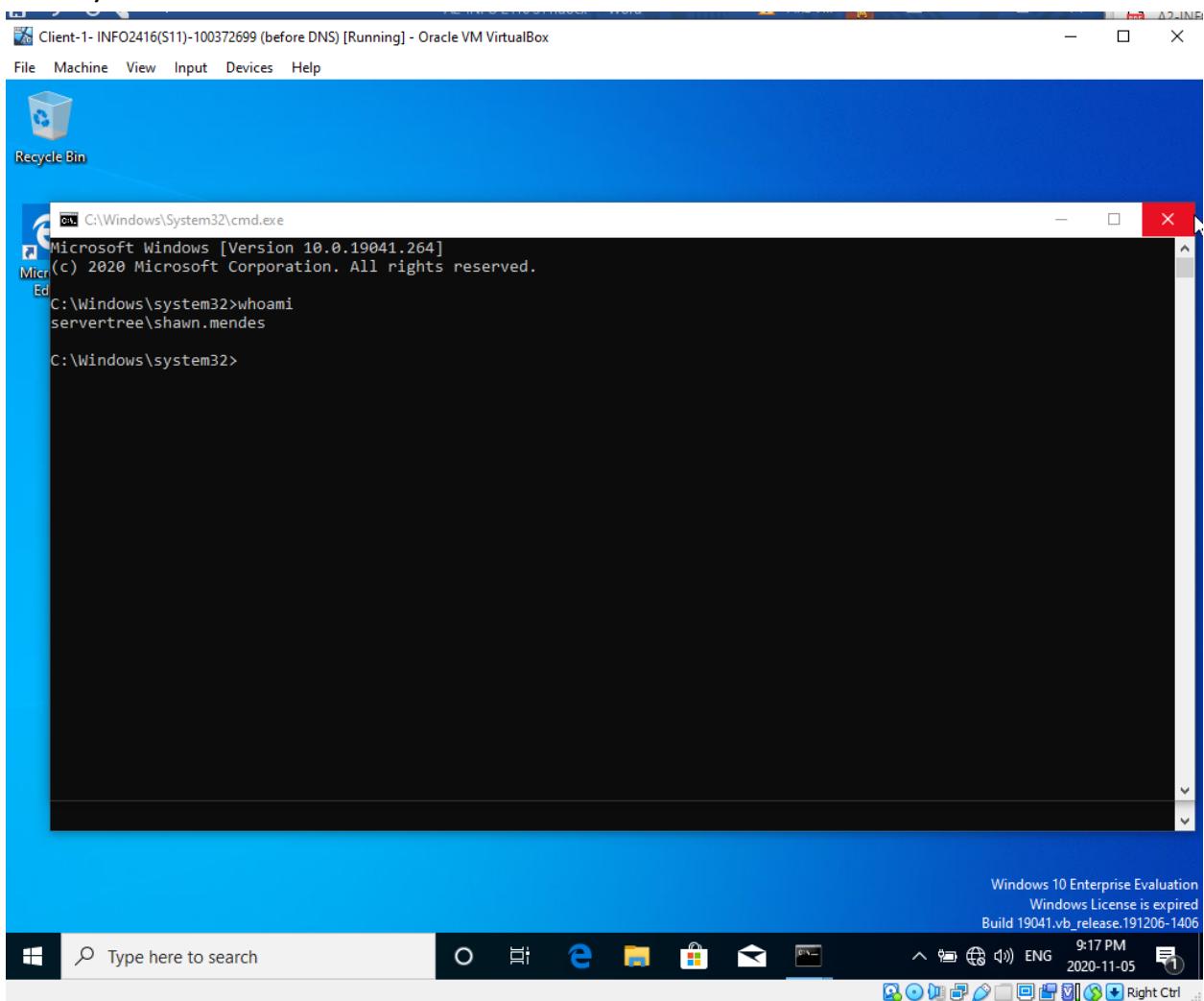
Windows 10 Enterprise Evaluation
Windows License is expired
Build 19041.vb_release.191206-1406

6.b.iii.2) Just like the other accounts it has been added to the domain

6.b.iii.3) user accounts on client 1



6.b.iv)client 1 whoami: SHAWN.MENDES



7.ii.3) server2 -server manager local server and properties

The screenshot shows the Windows Server Manager interface for a local server named SERVER-2. The left sidebar has 'Local Server' selected. The main area displays the 'PROPERTIES' section for SERVER-2, showing details like Computer name (SERVER-2), Domain (servertree.local), and various system configurations. Below this is the 'EVENTS' section, which lists three error events from Microsoft-Windows-Security-SPP on SERVER-2 at 11/5/2020 9:30:23 PM.

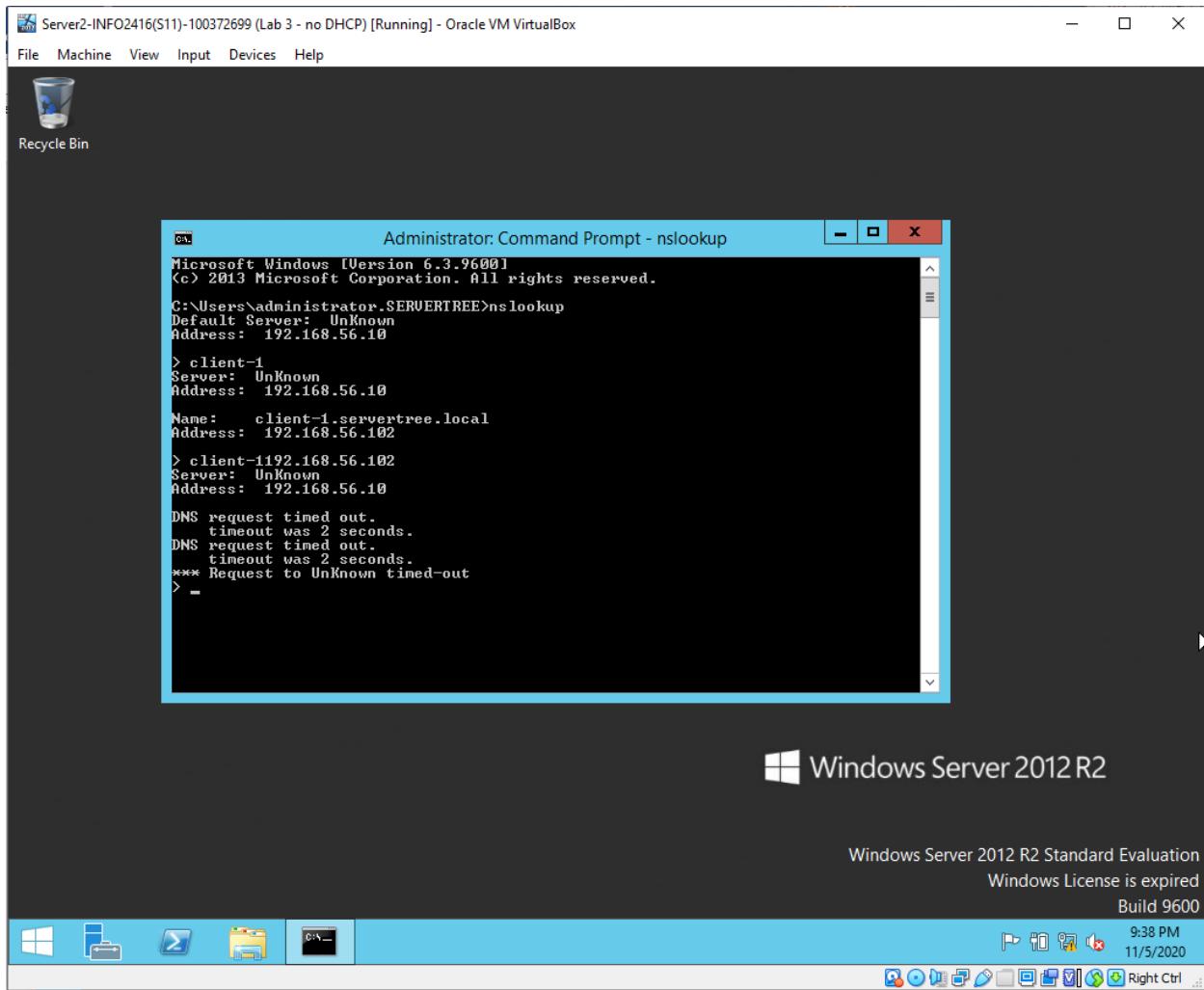
PROPERTIES
For SERVER-2

Computer name	SERVER-2	Last installed updates
Domain	servertree.local	Windows Update
		Last checked for updates
Windows Firewall	Domain: On	Windows Error Reporting
Remote management	Enabled	Customer Experience Improvement Program
Remote Desktop	Disabled	IE Enhanced Security Configuration
NIC Teaming	Disabled	Time zone
Ethernet	192.168.56.11, IPv6 enabled	Product ID
Operating system version	Microsoft Windows Server 2012 R2 Standard Evaluation	Processors
Hardware information	innotek GmbH VirtualBox	Installed memory (RAM)
		Total disk space

EVENTS
All events | 59 total

Server Name	ID	Severity	Source	Log	Date and Time
SERVER-2	8200	Error	Microsoft-Windows-Security-SPP	Application	11/5/2020 9:30:23 PM
SERVER-2	8198	Error	Microsoft-Windows-Security-SPP	Application	11/5/2020 9:30:23 PM
SERVER-2	1014	Error	Microsoft-Windows-Security-SPP	Application	11/5/2020 9:30:23 PM

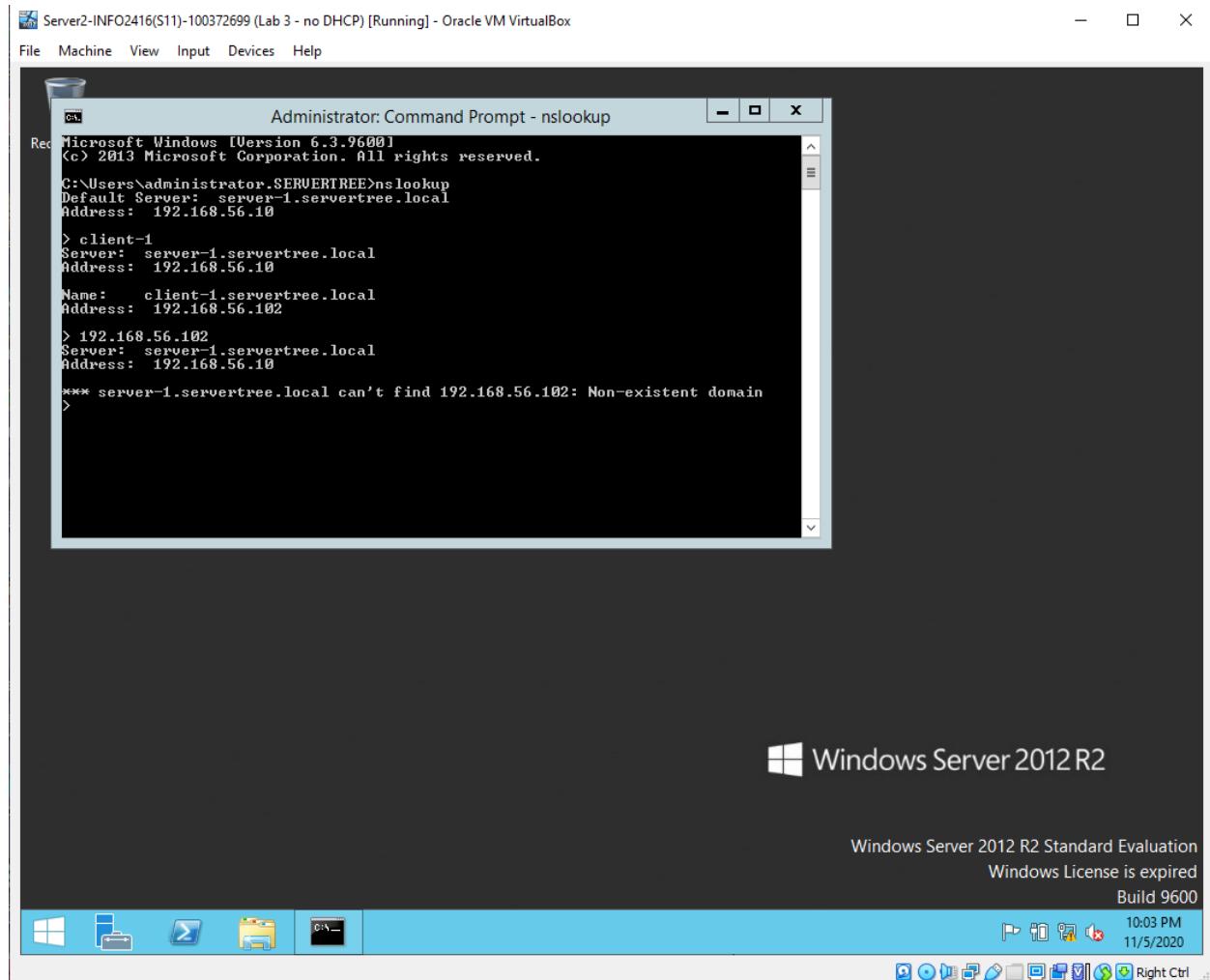
9.e) command prompt server 2



9.f) it is complaining the DNS is unknown because

- 10.b) 1. Open server manager, under tools open the DNS manager
2. the DNS manager window will open, now click the dns and you should see the folders
3. right click 'reverse lookup zone and 'add a new zone' , New zone wizard will pop up , then click next
- 4.check box the type of zone to create : primary zone , then click next
5. check box: to all DNS servers running on domain controllers in this domain : servertree.local, click next
- 6.check box IPv4 reverse lookup zone , click next
7. enter your network id for the DNS server: 192.168.56. , then click on reverse lookup zone, which should have been automatically inputted correctly when you typed in the network id, click next
8. check , allow only secure dynamic updates, then click next, then finish

After making the changes to server 1 , Server 2 will be able to respond successfully to find client 1



The screenshot shows a Windows Server 2012 R2 desktop environment. A Command Prompt window titled "Administrator: Command Prompt - nslookup" is open, displaying the following nslookup session:

```
Administrator: Command Prompt - nslookup
Microsoft Windows [Version 6.3.9600]
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C:\Users\administrator.SERVERTREE>nslookup
Default Server: server-1.servertree.local
Address: 192.168.56.10

> client-1
Server: server-1.servertree.local
Address: 192.168.56.10
Name: client-1.servertree.local
Address: 192.168.56.102

> 192.168.56.102
Server: server-1.servertree.local
Address: 192.168.56.10
*** server-1.servertree.local can't find 192.168.56.102: Non-existent domain
>
```

The desktop background features the Windows Server 2012 R2 logo. The taskbar at the bottom includes standard icons like File Explorer, Task View, and Start.