

INFO 2416 S11

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

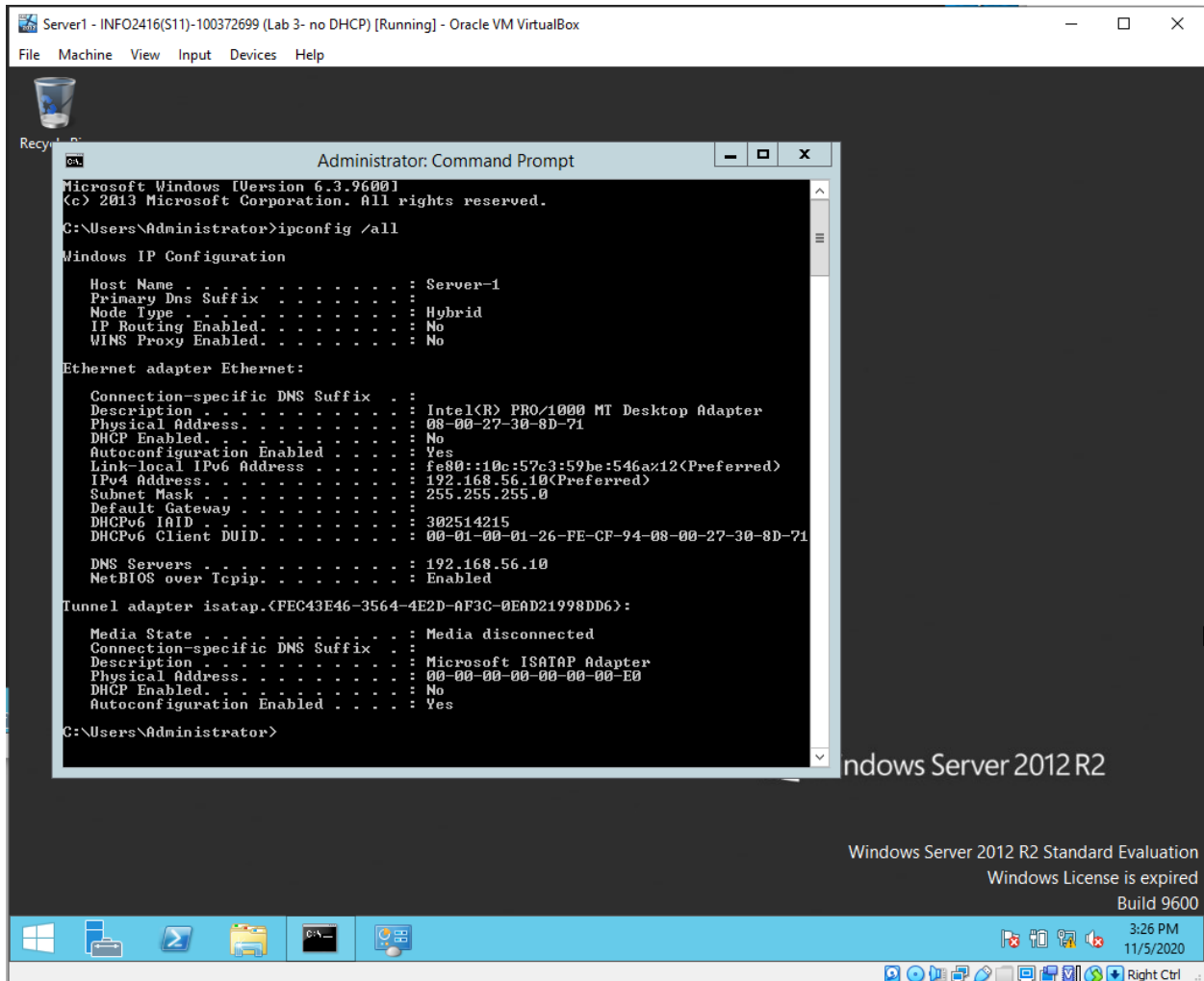
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100372699

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:546a%12(Preferred)
IPv4 Address. . . . . : 192.168.56.10(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
DHCPv6 Iaid . . . . . : 302514215
DHCPv6 Client DUID. . . . . : 00-01-00-01-26-FE-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>
```

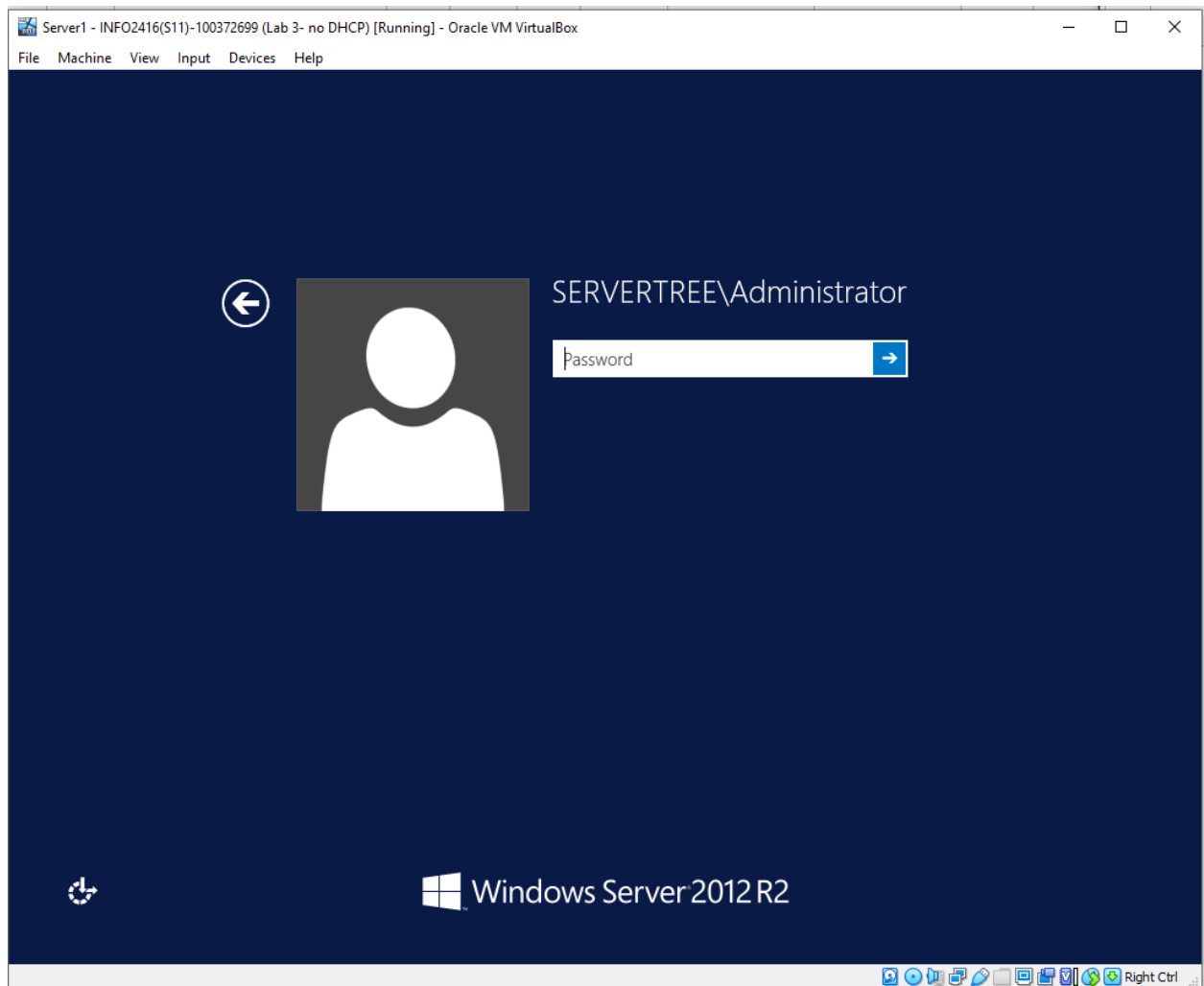
Windows Server 2012 R2

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

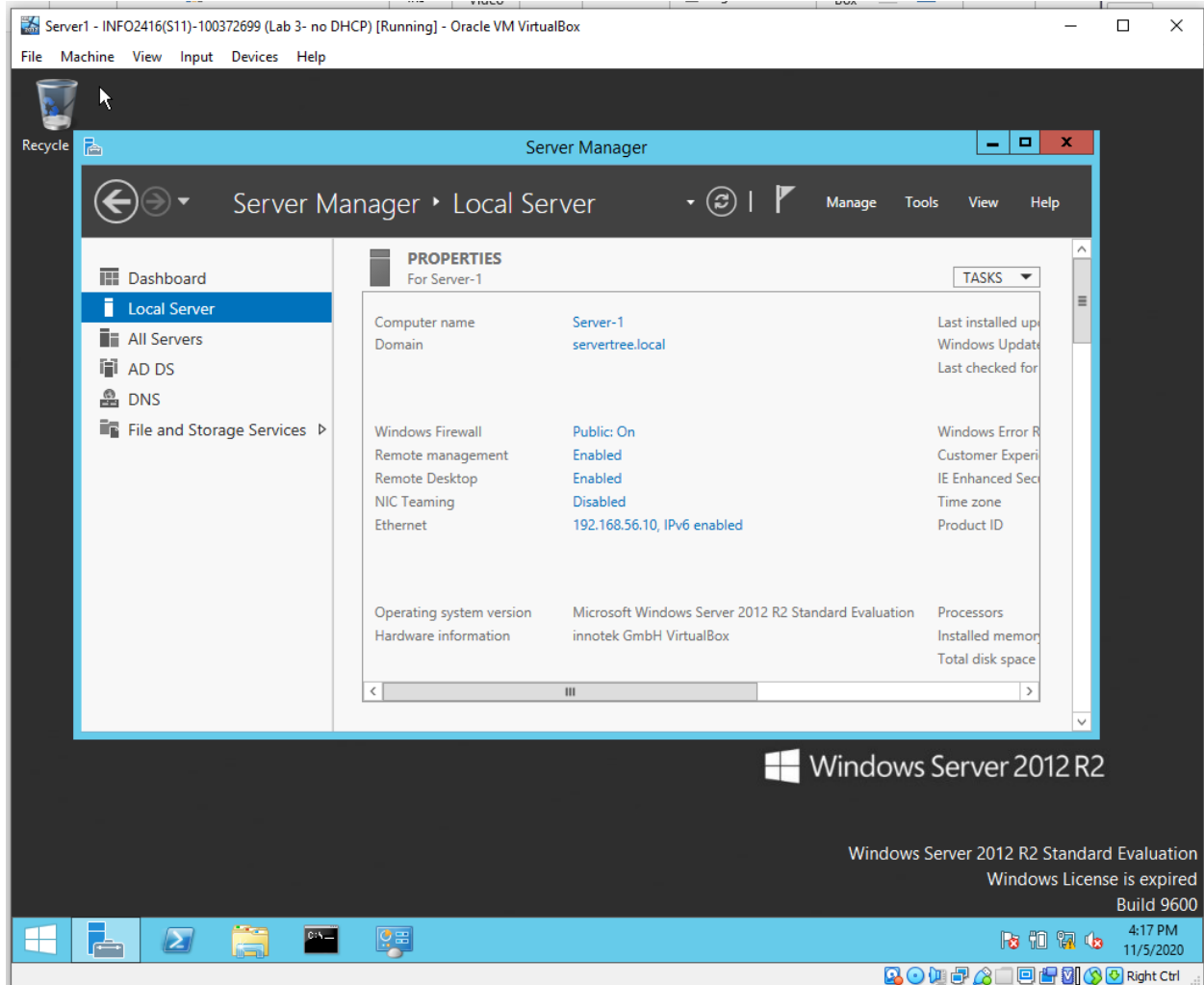
3:26 PM  
11/5/2020

Right Ctrl

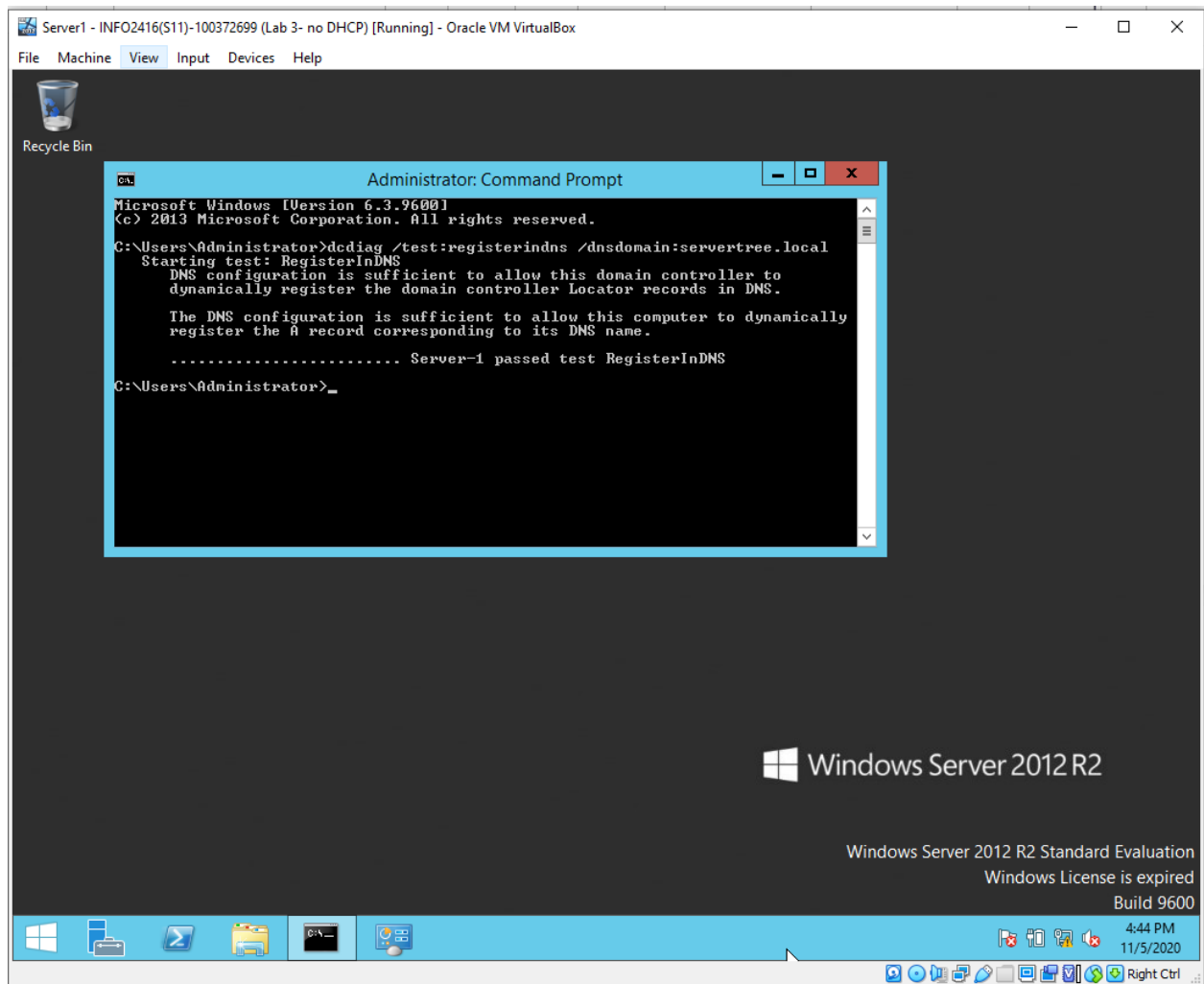
#### 4.f.ii) NetBIOS SERVERTREE\administrator



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

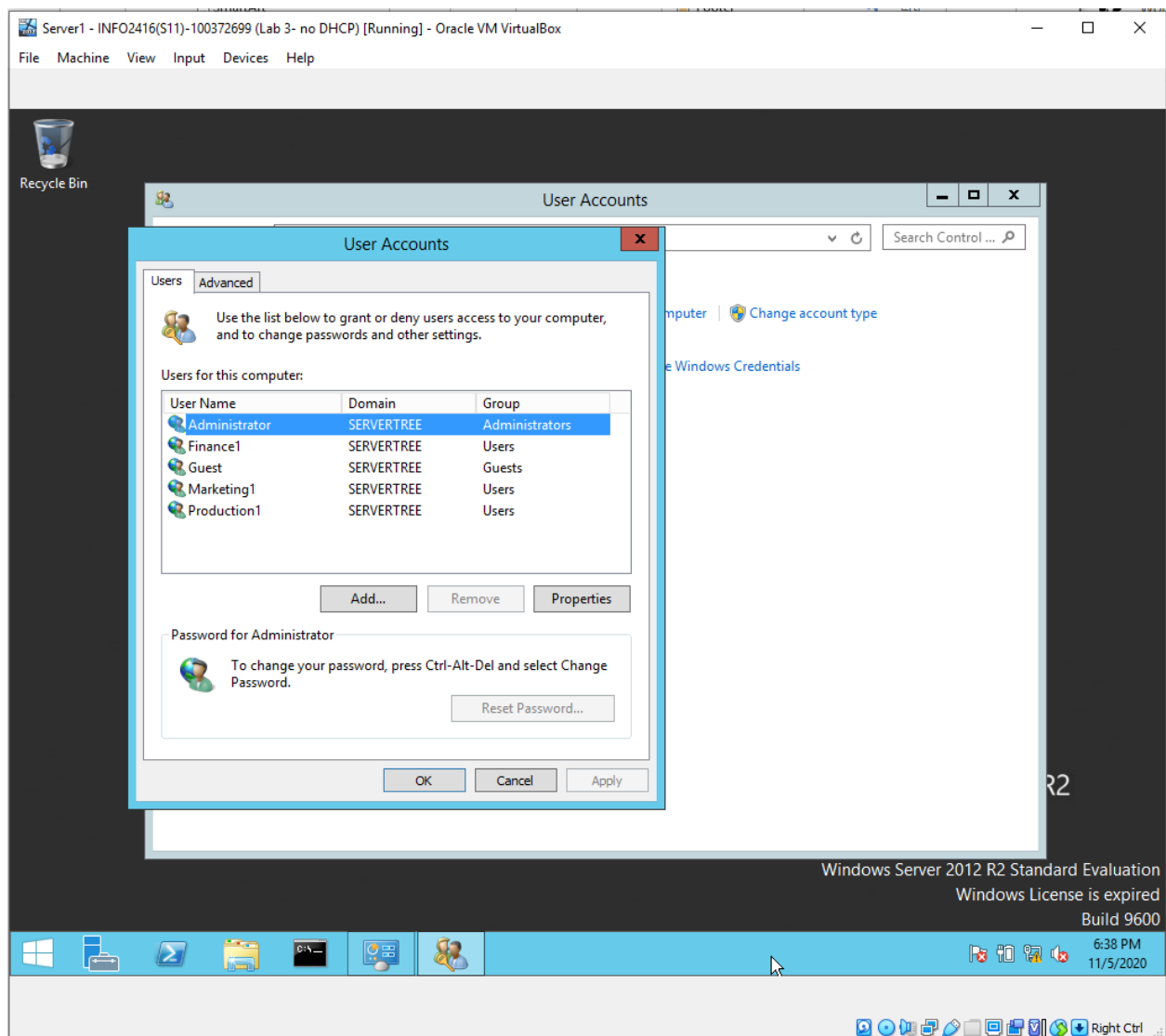


#### 4.g.ii) server 1 command prompt dcdiag command

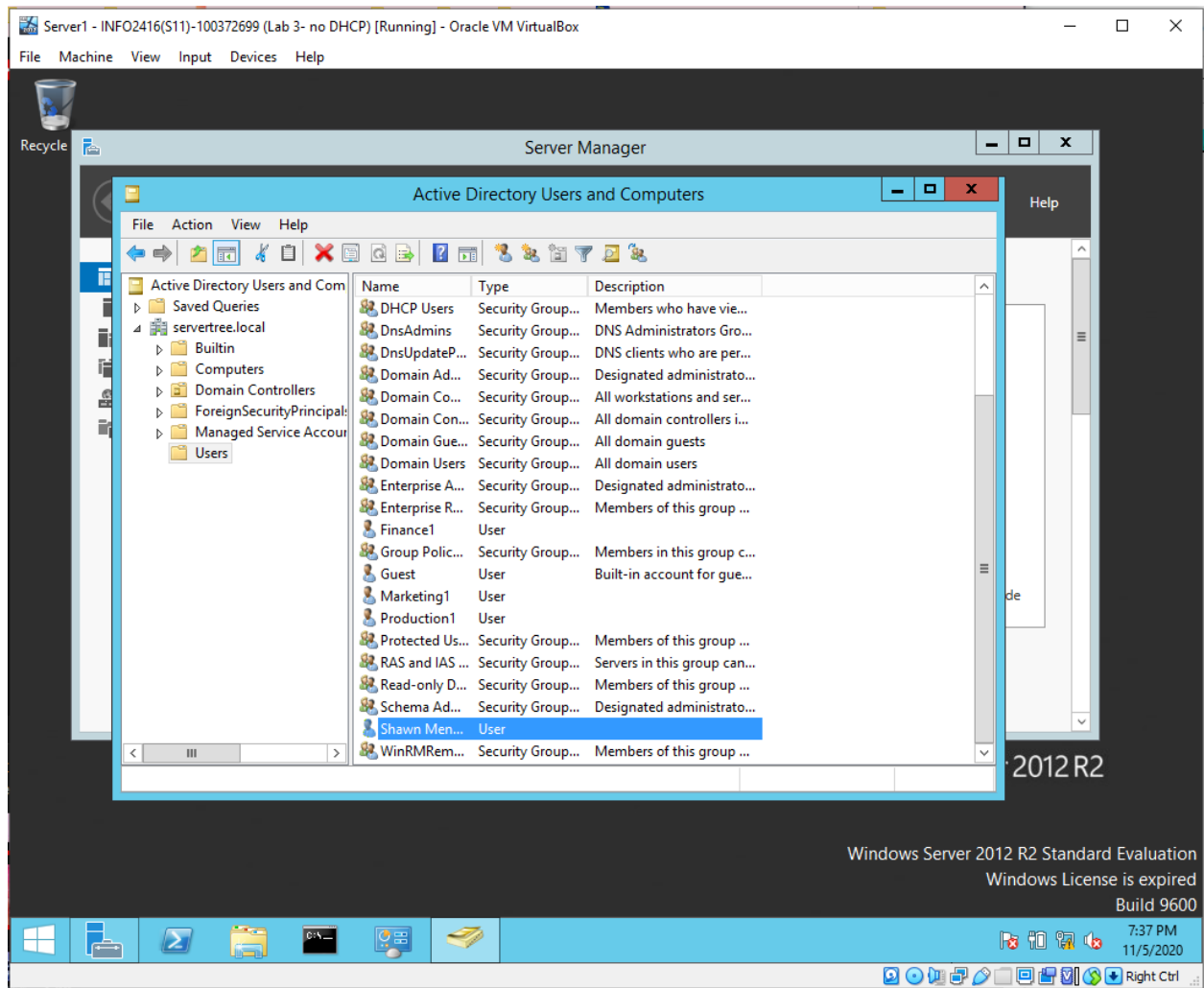


5.a.ii) When a user tries to log into a computer that is not part of the domain its authentication will be denied because it does not have permission to access the domain of the computer

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



## 5.b.vii) list of user accounts



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

```
Client-1- INFO2416(S11)-100372699 (before DNS) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Administrator: C:\Windows\System32\cmd.exe

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:

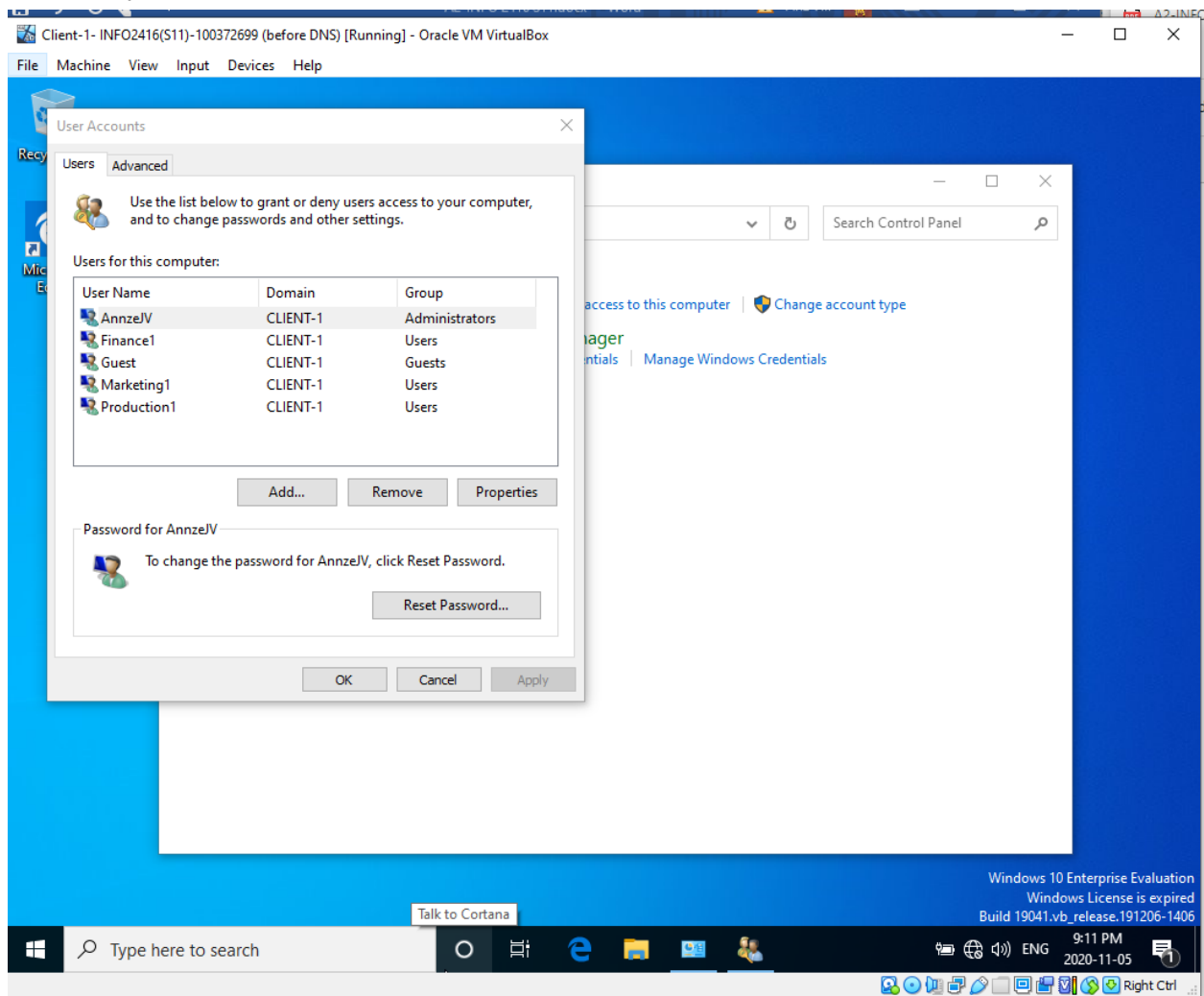
Connection-specific DNS Suffix . : 
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-EC-FC-B2
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::f9b9:3a06:68de:989a%3(Preferred)
IPv4 Address. . . . . : 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>
```

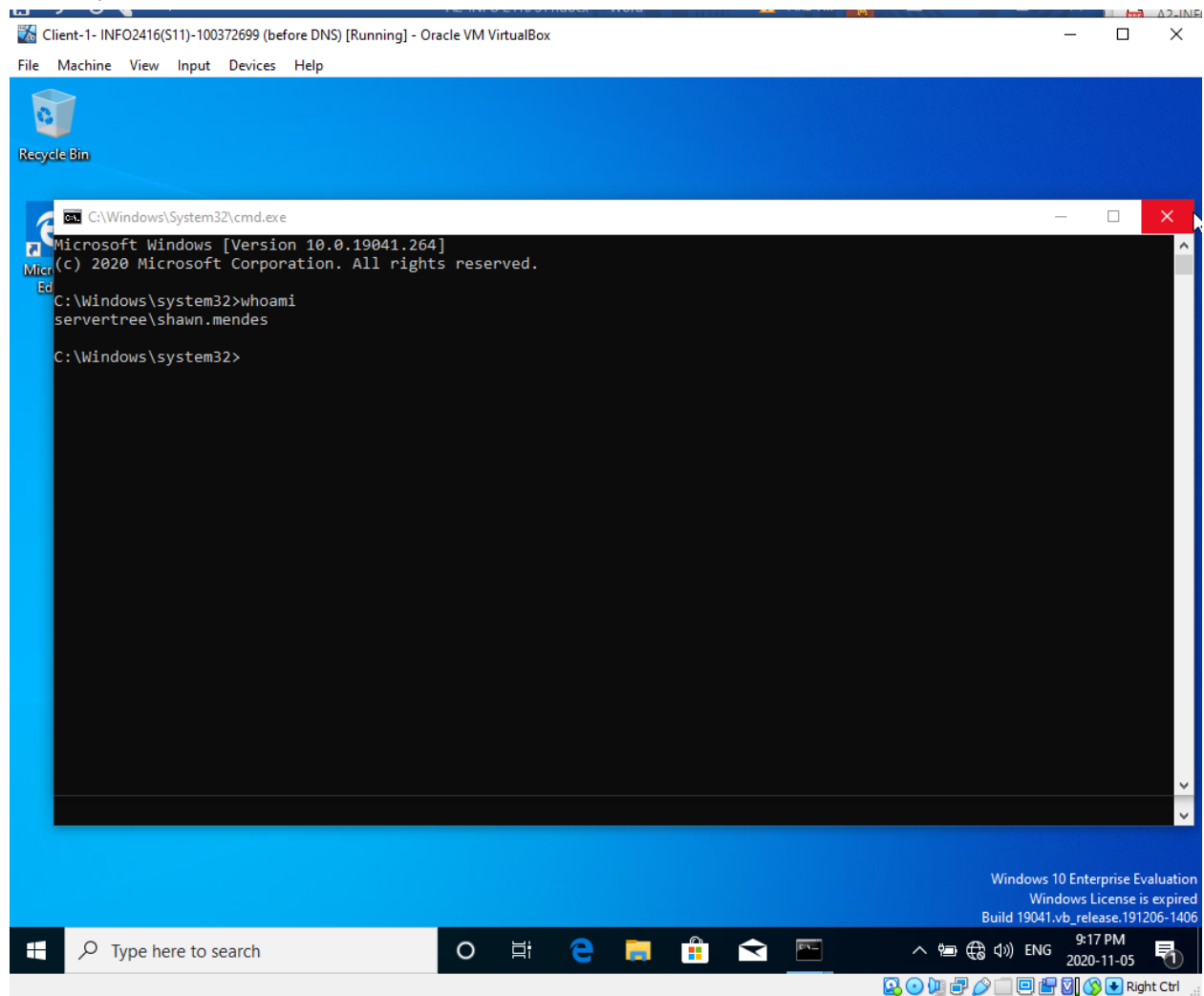


6.b.iii.2) Just like the other accounts it has been added to the domain

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

Server2-INFO2416(S11)-100372699 (Lab 3 - no DHCP) [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Server Manager

Server Manager ▸ Local Server

Dashboard  
Local Server  
All Servers  
File and Storage Services ▸

**PROPERTIES**  
For SERVER-2

Computer name: SERVER-2  
Domain: servertree.local

Windows Firewall: Domain: On  
Remote management: Enabled  
Remote Desktop: Disabled  
NIC Teaming: Disabled  
Ethernet: 192.168.56.11, IPv6 enabled

Operating system version: Microsoft Windows Server 2012 R2 Standard Evaluation  
Hardware information: innotek GmbH VirtualBox

Last installed updates: Windows Update  
Last checked for updates: Last checked for updates

Windows Error Reporting: Customer Experience Improvement Program  
IE Enhanced Security Configuration: Time zone  
Product ID

Processors  
Installed memory (RAM)  
Total disk space

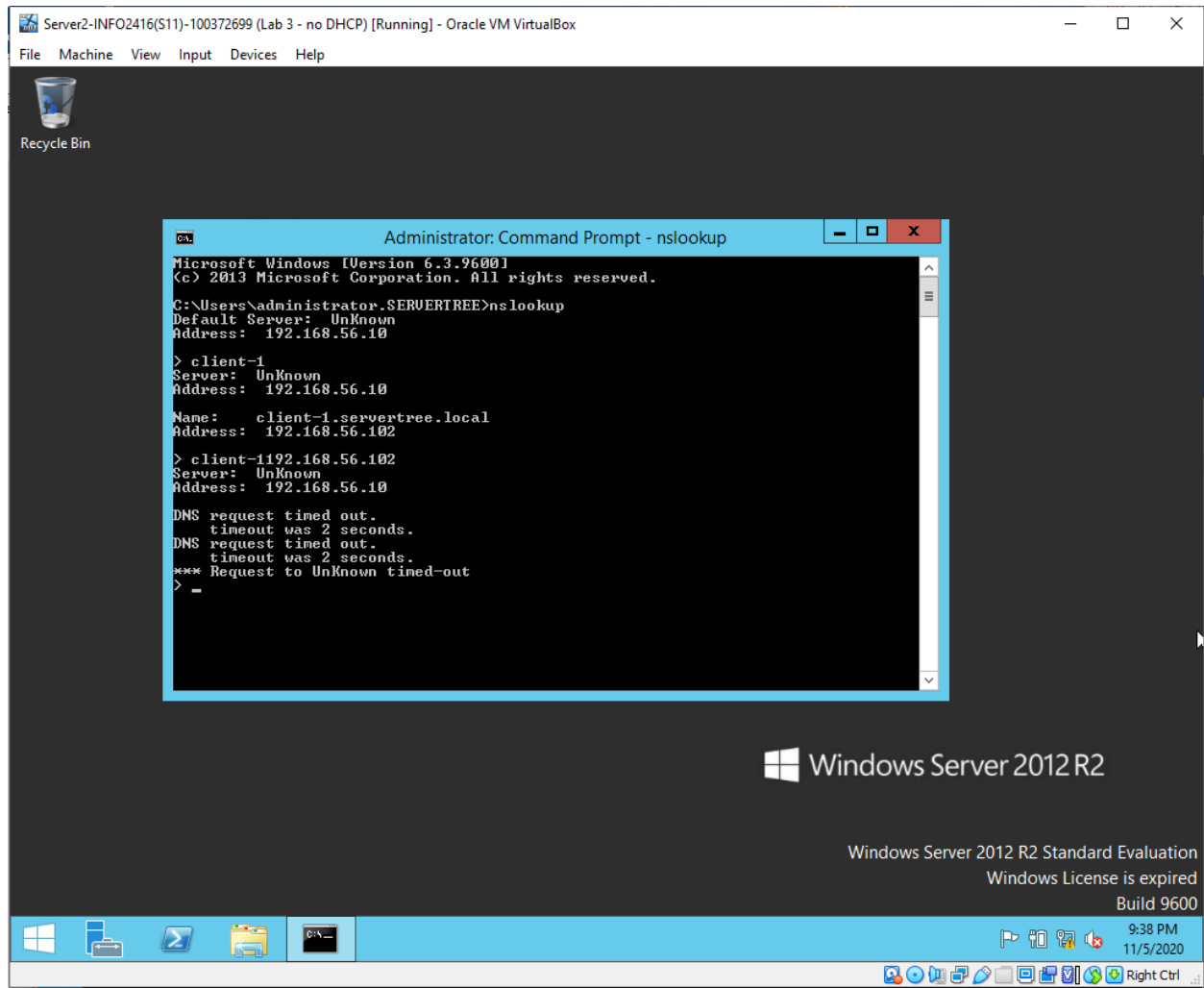
**EVENTS**  
All events | 59 total

Filter

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

9:31 PM  
11/5/2020

## 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

