

Term Project

INFO 2416 S11 Fall 2020

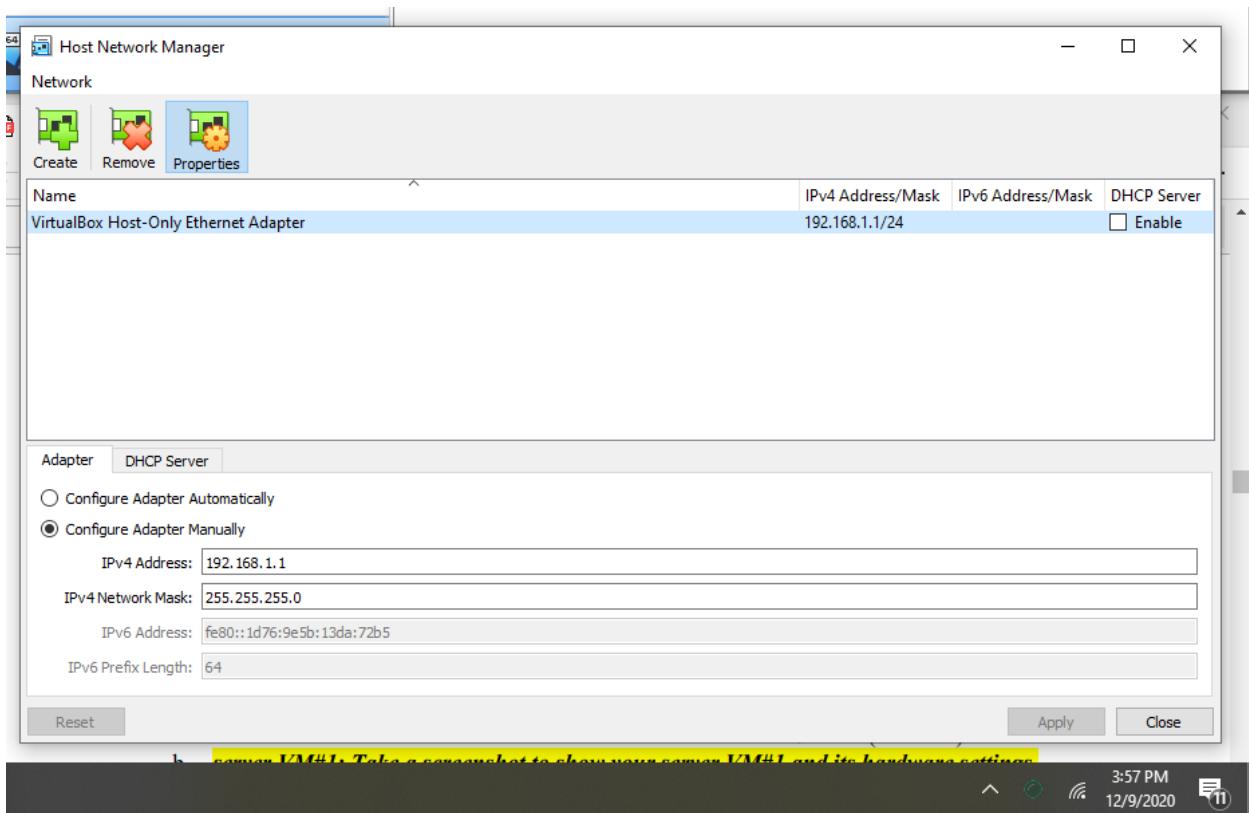
Implementing a Client/Server Environment for a Small Business

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100372699

Date Submission:12/13/2020

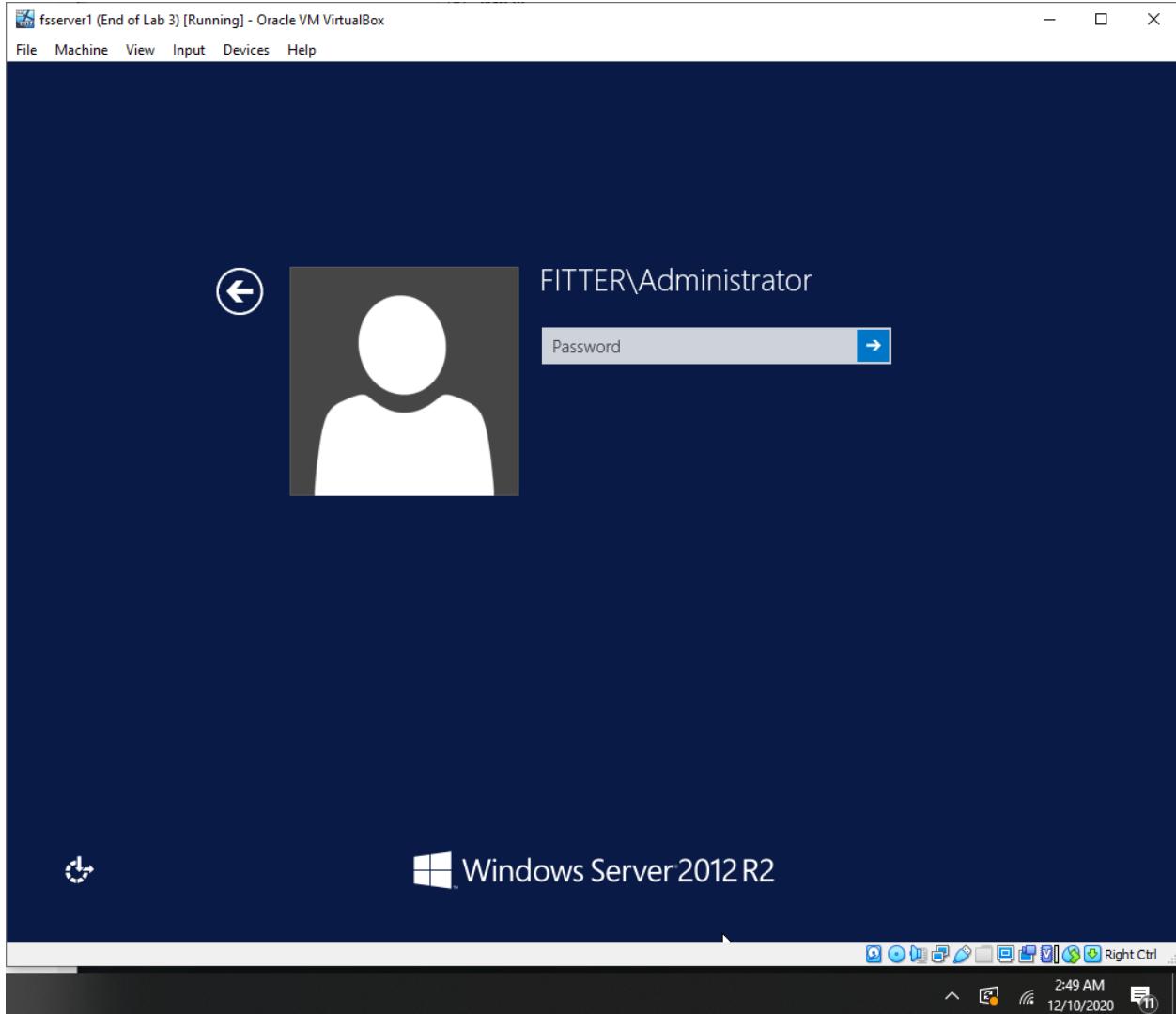
1.c) host-only dhcp server settings – disabled



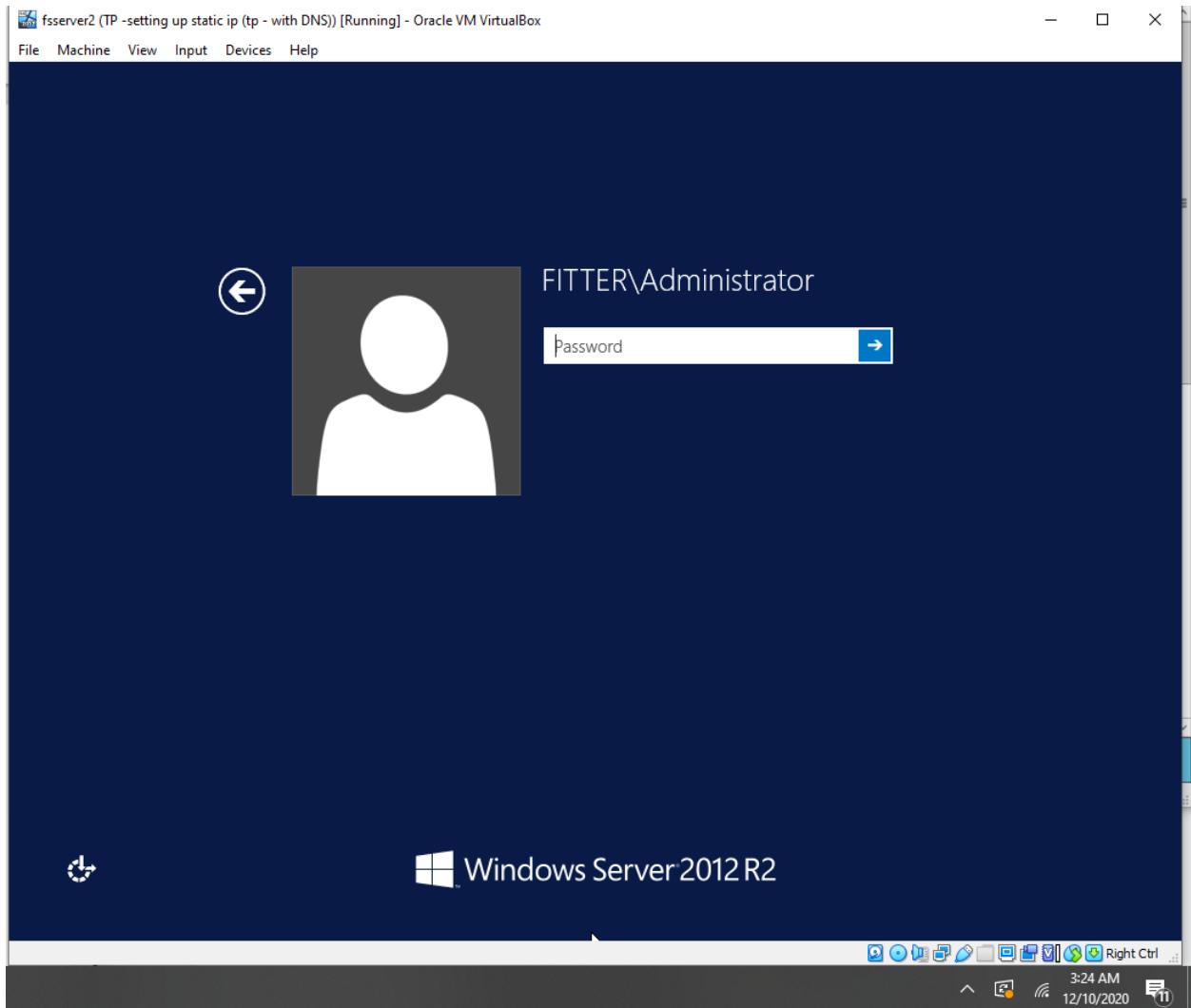
2.b.)server vm1 and its hardware settings

General	Preview
Name: fsserver1 Operating System: Windows 2012 (64-bit) Groups: New group 2	
System	
Base Memory: 1536 MB Boot Order: Floppy, Optical, Hard Disk Acceleration: VT-x/AMD-V, Nested Paging, Hyper-V Paravirtualization	
Display	
Video Memory: 128 MB Graphics Controller: VBoxSVGA Remote Desktop Server: Disabled Recording: Disabled	
Storage	
Controller: SATA SATA Port 0: S1.vdi (Normal, 30.00 GB) SATA Port 1: [Optical Drive] 9600.17050.WINBLUE_REFRESH.140317-1640_X64FRE_SERVER_EVAL_EN-US-IR3_SSS_X64FREE_EN-US_DV9.ISO (4.23 GB)	
Audio	
Host Driver: Windows DirectSound Controller: Intel HD Audio	
Network	
Adapter 1: Intel PRO/1000 MT Desktop (Host-only Adapter, 'VirtualBox Host-Only Ethernet Adapter')	
USB	
USB Controller: OHCI Device Filters: 0 (0 active)	
Shared folders	
None	
Description	
None	

2.g) login screen of Fitter\Administrator



5.b) server vm2 Fitter\administrator



6. b) Servers in server manager

The screenshot shows the Windows Server Manager interface. The left sidebar has a navigation menu with items: Dashboard, Local Server, All Servers (which is selected and highlighted in blue), AD DS, DNS, and File and Storage Services. The main content area is divided into two sections: SERVERS and EVENTS.

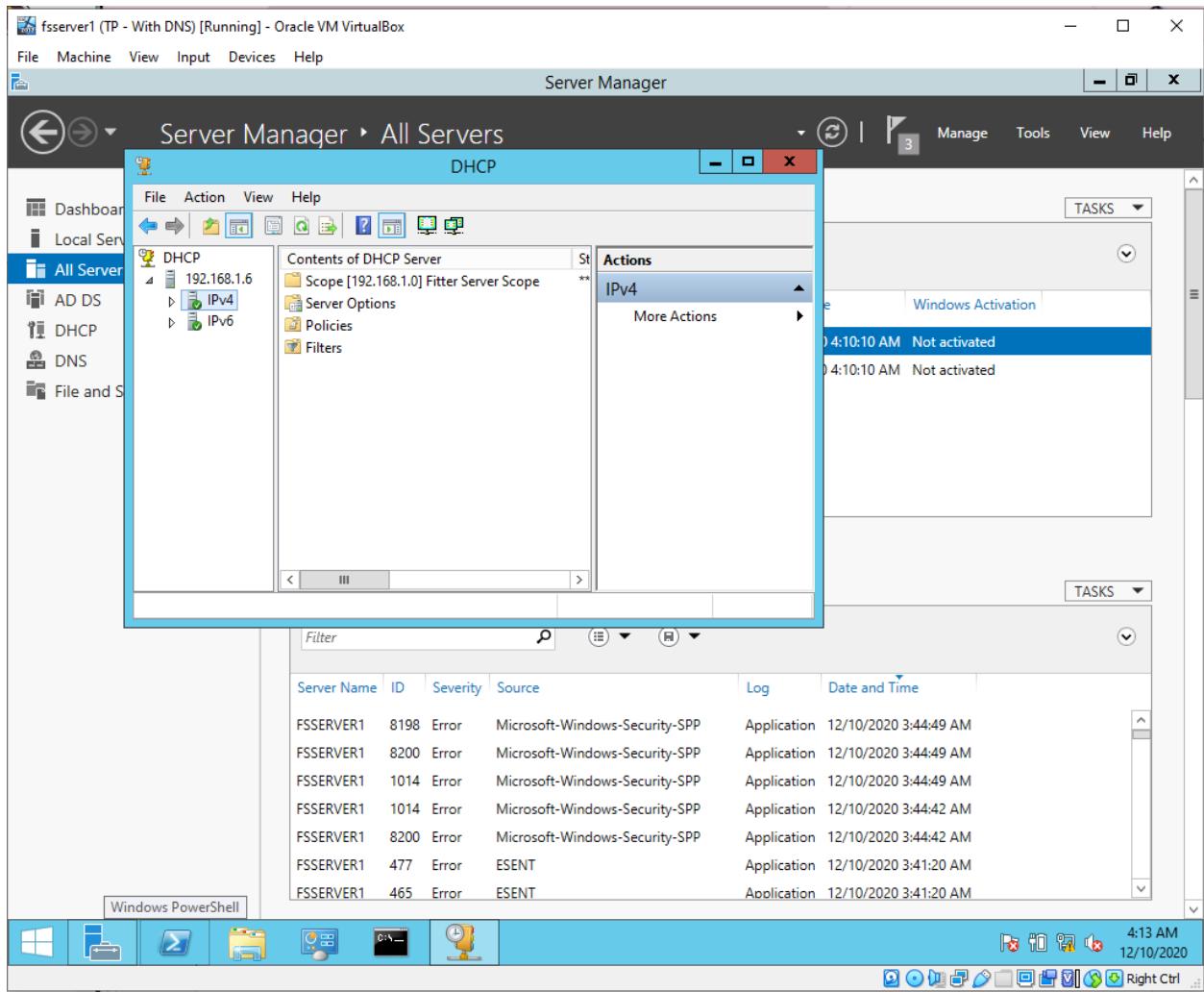
Servers: This section displays a list of all servers managed by the system. It includes columns for Server Name, IPv4 Address, Manageability, Last Update, and Windows Activation. Two servers are listed: FSSERVER1 (192.168.1.5) and FSSERVER2 (192.168.1.6). Both are online and have performance counters not started. They were last updated on 12/10/2020 at 3:40:46 AM and 3:43:30 AM respectively, and are not activated.

Server Name	IPv4 Address	Manageability	Last Update	Windows Activation
FSSERVER1	192.168.1.5	Online - Performance counters not started	12/10/2020 3:40:46 AM	Not activated
FSSERVER2	192.168.1.6	Online - Performance counters not started	12/10/2020 3:43:30 AM	Not activated

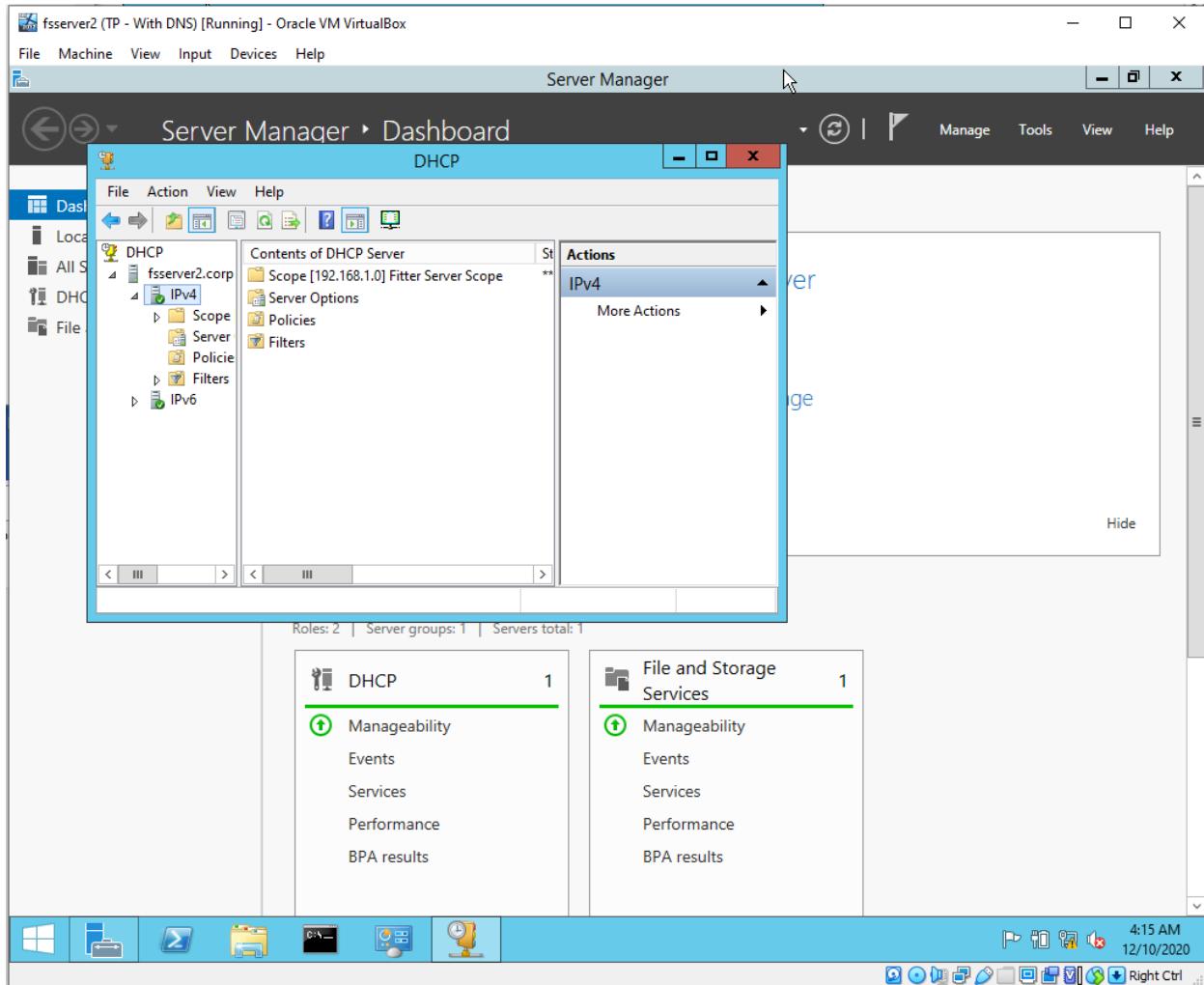
Events: This section displays a list of events from the system log. It includes columns for Server Name, ID, Severity, Source, Log, and Date and Time. The events listed are mostly errors from Microsoft-Windows-Security-SPP and Microsoft-Windows-DNS Client Events, occurring between 3:39:42 AM and 3:39:54 AM on 12/10/2020.

Server Name	ID	Severity	Source	Log	Date and Time
FSSERVER1	8200	Error	Microsoft-Windows-Security-SPP	Application	12/10/2020 3:39:54 AM
FSSERVER1	8198	Error	Microsoft-Windows-Security-SPP	Application	12/10/2020 3:39:54 AM
FSSERVER1	1014	Error	Microsoft-Windows-Security-SPP	Application	12/10/2020 3:39:54 AM
FSSERVER1	1014	Warning	Microsoft-Windows-DNS Client Events	System	12/10/2020 3:39:42 AM
FSSERVER1	1014	Error	Microsoft-Windows-Security-SPP	Application	12/10/2020 3:39:42 AM
FSSERVER1	8200	Error	Microsoft-Windows-Security-SPP	Application	12/10/2020 3:39:42 AM
FSSERVER1	8198	Error	Microsoft-Windows-Security-SPP	Application	12/10/2020 3:39:37 AM

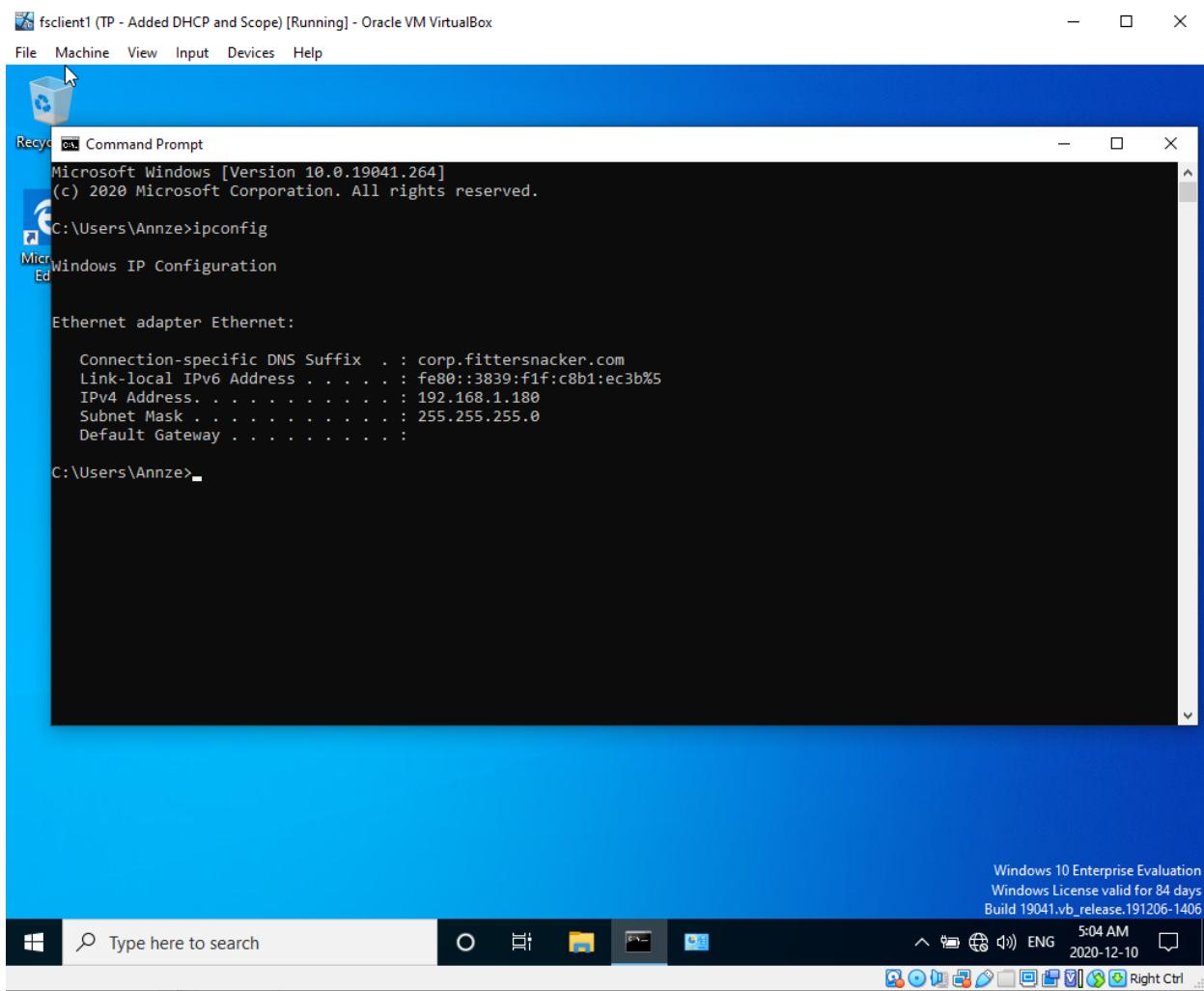
6.h.) server vm1 DHCP scope



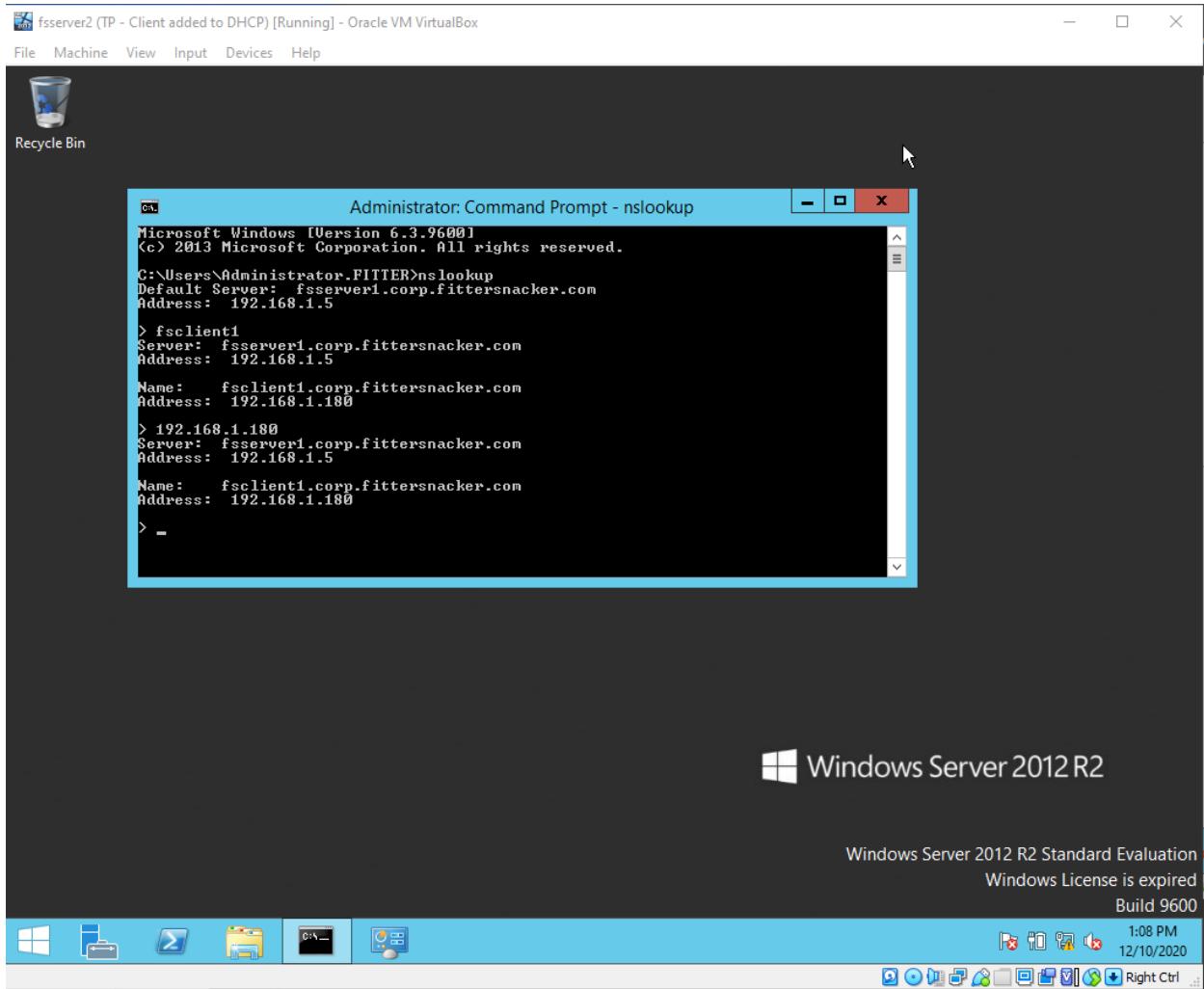
6.j) server vm2 DHCP Scope



7.f) client vm IP



8.c) severvm2 cmd of nslookup up



9.b) all users in AD Users and Computers.

The screenshot shows a Windows desktop environment with a running Oracle VM VirtualBox instance titled "fsserver1 (Tp - With reverselook up) [Running]". The main window is "Active Directory Users and Computers" (File, Action, View, Help). The left pane shows the directory structure under "corp.fittersnacker.com": Builtin, Computers, Domain Controllers, ForeignSecurityPrincipals, Managed Service Accounts, and Users. The right pane displays a list of users with columns for Name, Type, and Description. The list includes numerous entries such as Arnold Term..., Donald Doll..., Norman Gee..., Joe Smoothie, Mary Zippy, Karen Dobbs, Billy Kidd, Keith Stache, Owhat Theh..., Vicky Gloves, Donnie Bala..., Clint Harvey, Benny Stairs, Jones Terry, Bear Feets, Kathy Plink, Richard Slick, Clive Sarbanes, Bubbles Mal..., Nancy Keys, Bruce Dee, Alvin Smith, Mi Tee, Tim Brew, Monty Ham, Wendy Klu..., Brett Buggs, Cindy Play, Jack trutle, Nick Noddles, Johnny Show, and Kristy Squeeze. The status bar at the bottom shows the date and time: 8:34 PM 12/12/2020.

Name	Type	Description
Arnold Term...	User	
Donald Doll...	User	
Norman Gee...	User	
Joe Smoothie	User	
Mary Zippy	User	
Karen Dobbs	User	
Billy Kidd	User	
Keith Stache	User	
Owhat Theh...	User	
Vicky Gloves	User	
Donnie Bala...	User	
Clint Harvey	User	
Benny Stairs	User	
Jones Terry	User	
Bear Feets	User	
Kathy Plink	User	
Richard Slick	User	
Clive Sarbanes	User	
Bubbles Mal...	User	
Nancy Keys	User	
Bruce Dee	User	
Alvin Smith	User	
Mi Tee	User	
Tim Brew	User	
Monty Ham	User	
Wendy Klu...	User	
Brett Buggs	User	
Cindy Play	User	
Jack trutle	User	
Nick Noddles	User	
Johnny Show	User	
Kristy Squeeze	User	

fsserver1 (Tp - With reverselook up) [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Active Directory Users and Computers

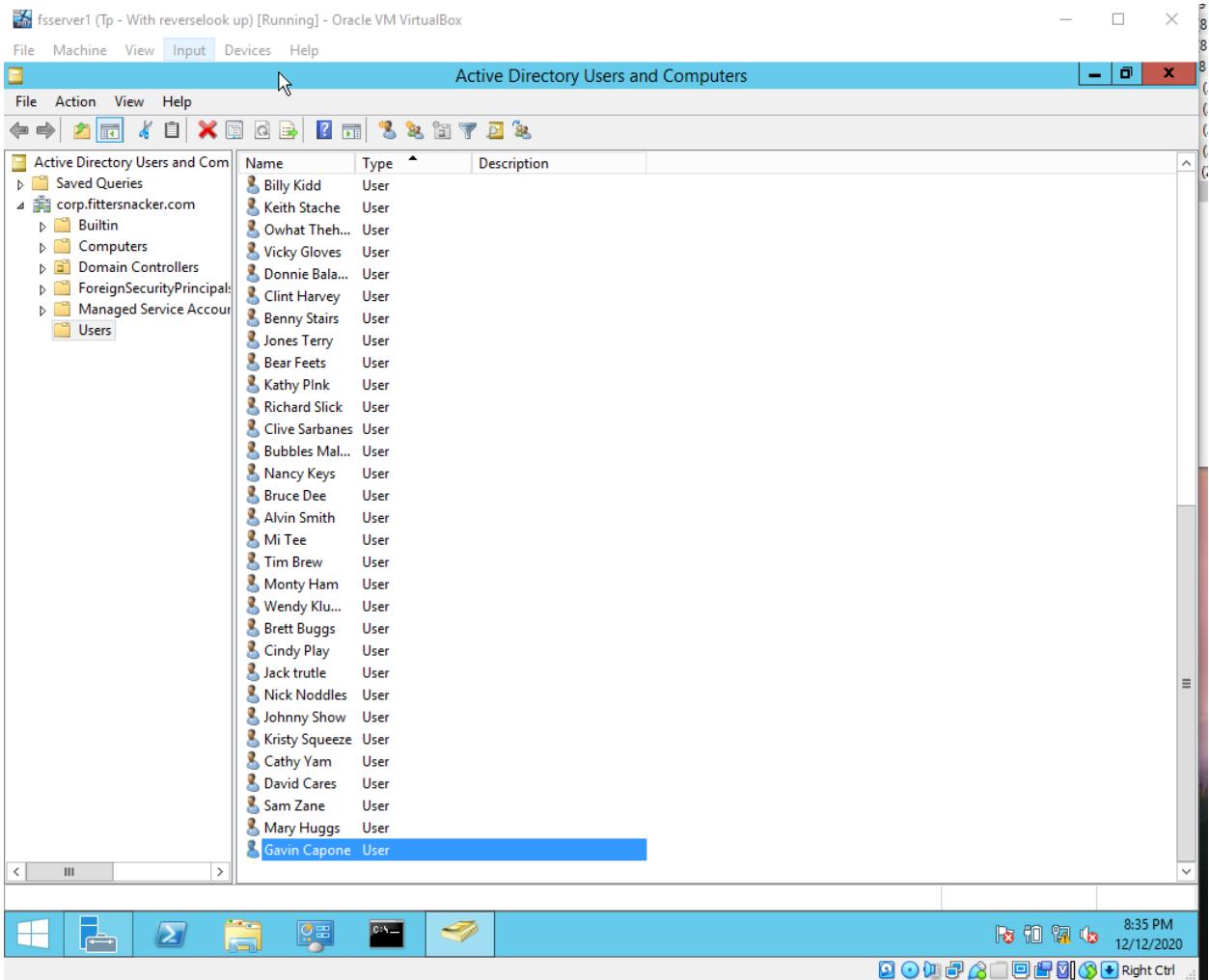
File Action View Help

Active Directory Users and Computers

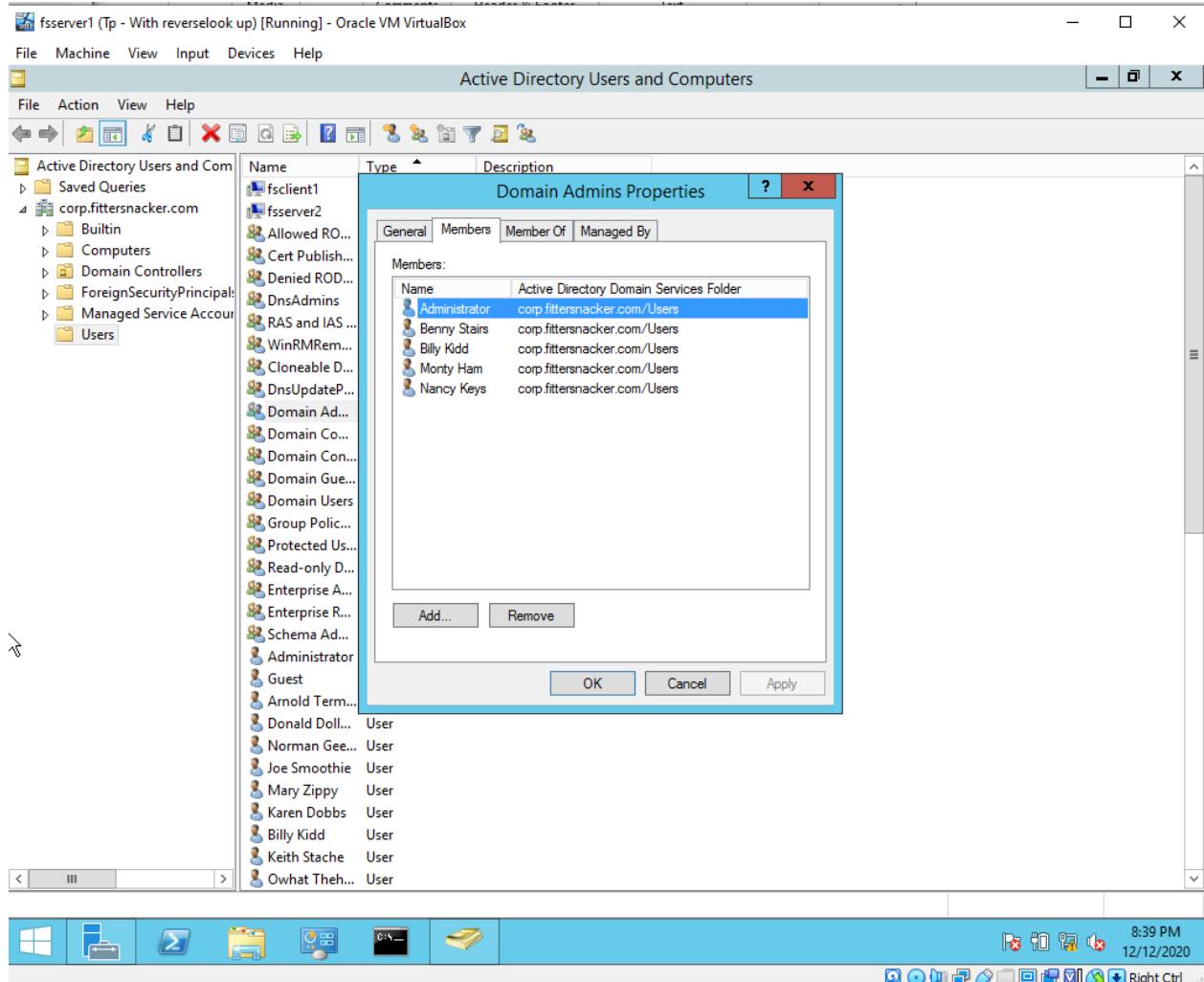
Name Type Description

- Billy Kidd User
- Keith Stache User
- Owhat Theh... User
- Vicky Gloves User
- Donnie Bala... User
- Clint Harvey User
- Benny Stairs User
- Jones Terry User
- Bear Feets User
- Kathy Plink User
- Richard Slick User
- Clive Sarbanes User
- Bubbles Mal... User
- Nancy Keys User
- Bruce Dee User
- Alvin Smith User
- Mi Tee User
- Tim Brew User
- Monty Ham User
- Wendy Klu... User
- Brett Buggs User
- Cindy Play User
- Jack trutle User
- Nick Noddles User
- Johnny Show User
- Kristy Squeeze User
- Cathy Yam User
- David Cares User
- Sam Zane User
- Mary Huggs User
- Gavin Capone User

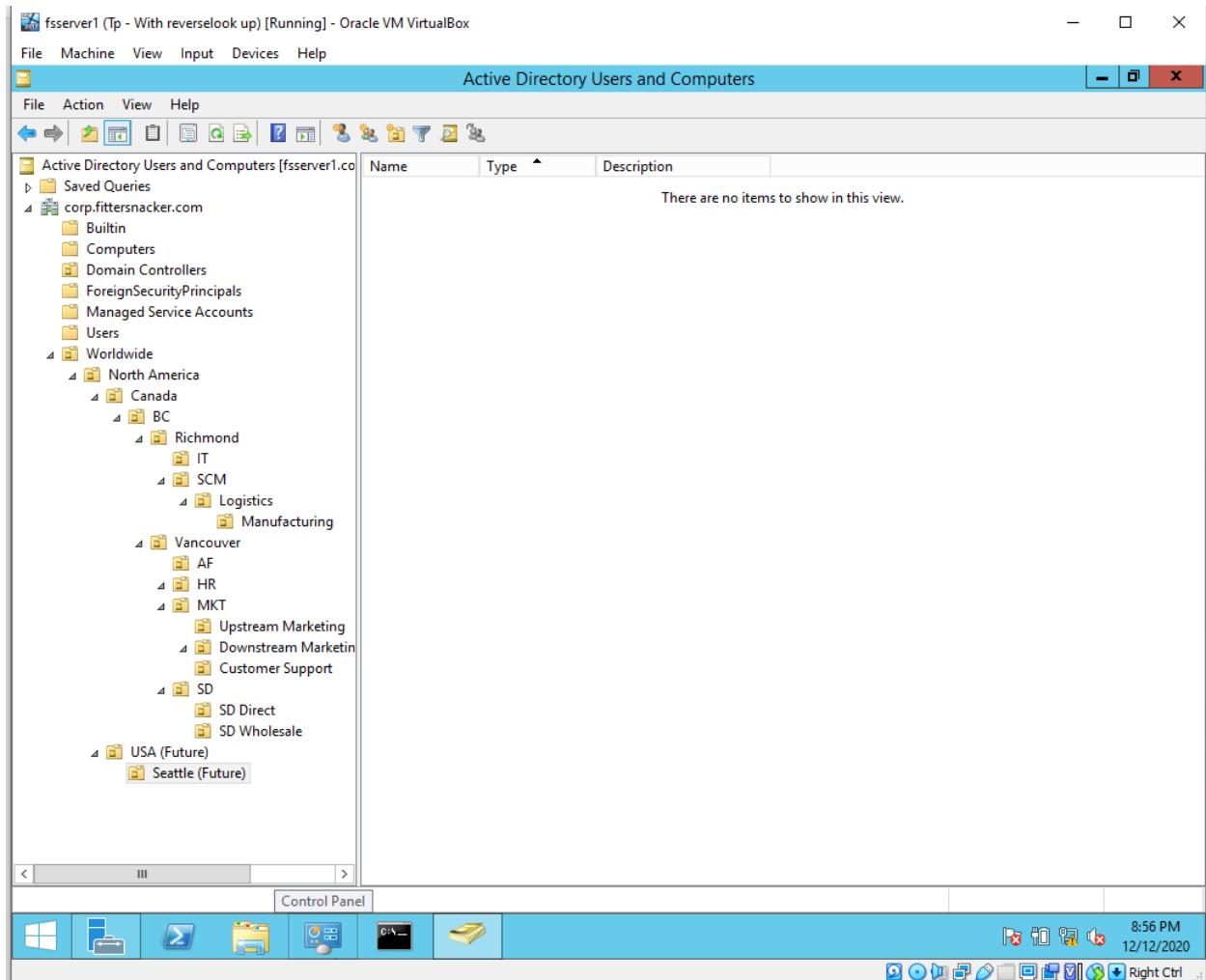
8:35 PM
12/12/2020 Right Ctrl



9.d) members of domain admins security groups



10. c) server 1 : OU's tree



11.D) server 1 : security groups

The screenshot shows the Windows Active Directory Users and Computers management console. The title bar reads "fserver1 (Tp - With reverselook up) [Running] - Oracle VM VirtualBox". The main window displays a list of security groups under the "corp.fittersnacker.com" domain. The left pane shows the navigation tree with "Active Directory Users and Computers", "Saved Queries", "corp.fittersnacker.com", "Builtin", "Computers", "Domain Controllers", "ForeignSecurityPrincipal", "Managed Service Account", "Users", and "Worldwide". The right pane lists the security groups:

Name	Type	Description
fs_Upstream	Security Group...	
fs_SDAccess	Security Group...	
fs_SD	Security Group...	
fs_SCMAccess	Security Group...	
fs_SCM	Security Group...	
fs_SalesWholesale	Security Group...	
fs_SalesDirect	Security Group...	
fs_MKTAccess	Security Group...	
fs_MKT	Security Group...	
fs_Manufacturing	Security Group...	
fs_Logistics	Security Group...	
fs_ITAccess	Security Group...	
fs_IT	Security Group...	
fs_HRAccess	Security Group...	
fs_HR	Security Group...	
fs_ExecutiveAccess	Security Group...	
fs_Executive	Security Group...	
fs_Downstream	Security Group...	
fs_CustomerSupport	Security Group...	
fs_AFAccess	Security Group...	
fs_AF	Security Group...	
Enterprise Read-only Domain C...	Security Group...	Members of this group ...
Enterprise Admins	Security Group...	Designated administrato...
Donnie Balance	User	
Donald Dollars	User	
Domain Users	Security Group...	All domain users
Domain Guests	Security Group...	All domain guests
Domain Controllers	Security Group...	All domain controllers i...
Domain Computers	Security Group...	All workstations and ser...
Domain Admins	Security Group...	Designated administrato...
DnsUpdateProxy	Security Group...	DNS clients who are per...
DnsAdmins	Security Group...	DNS Administrators Gro...

The taskbar at the bottom shows various icons and the system clock indicating "9:28 PM 12/12/2020".

11.e) server1 – fs_Manufacturing global group members

fsserver1 (Tp - With reverselook up) [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Active Directory Users and Computers

File Action View Help

Active Directory Users and Com
Saved Queries
corp.fittersnacker.com
Builtin
Computers
Domain Controllers
ForeignSecurityPrincipal
Managed Service Account
Users
Worldwide

Name Type Description

Jack trutle User
Guest User Built-in account for gue...

fs_Manufacturing Properties

General Members Member Of Managed By

Members:

Name	Active Directory Domain Services Folder
Alvin Smith	corp.fittersnacker.com/Users
Bear Feets	corp.fittersnacker.com/Users
Billy Kidd	corp.fittersnacker.com/Users
Brett Buggs	corp.fittersnacker.com/Users
Cathy Yam	corp.fittersnacker.com/Users
Gavin Capone	corp.fittersnacker.com/Users
Karen Dobby	corp.fittersnacker.com/Users
Keith Stache	corp.fittersnacker.com/Users
Mary Zippy	corp.fittersnacker.com/Users
Nick Noddles	corp.fittersnacker.com/Users
Norman Geekly	corp.fittersnacker.com/Users
Owhat Thehe...	corp.fittersnacker.com/Users
Sam Zane	corp.fittersnacker.com/Users
Vicky Gloves	corp.fittersnacker.com/Users

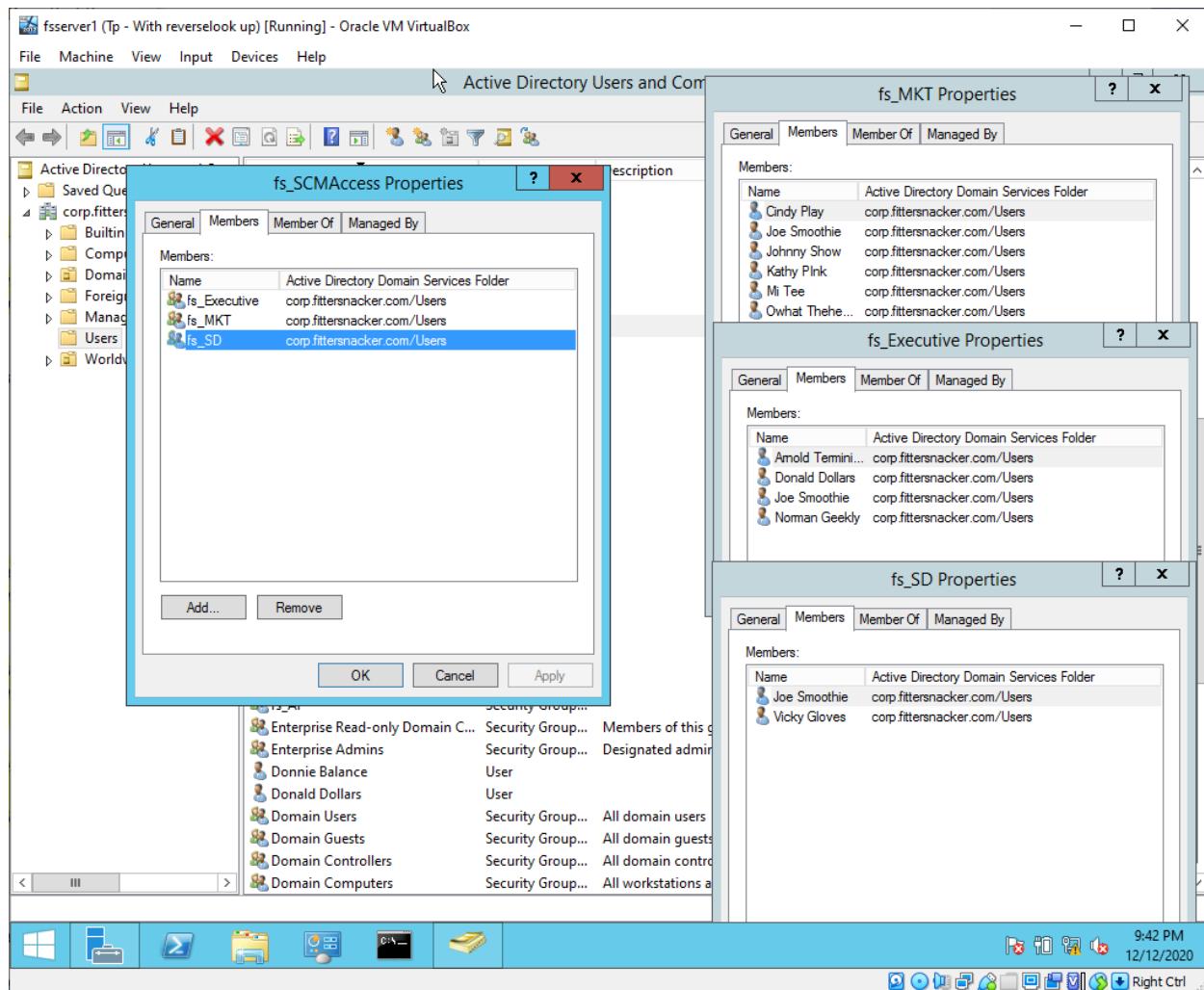
Add... Remove OK Cancel Apply

Security Group... Members of this group ...
Enterprise Read-only Domain C... Security Group... Designated administrato...
Enterprise Admins Security Group... All domain users
Donnie Balance User
Donald Dollars User
Domain Users Security Group...

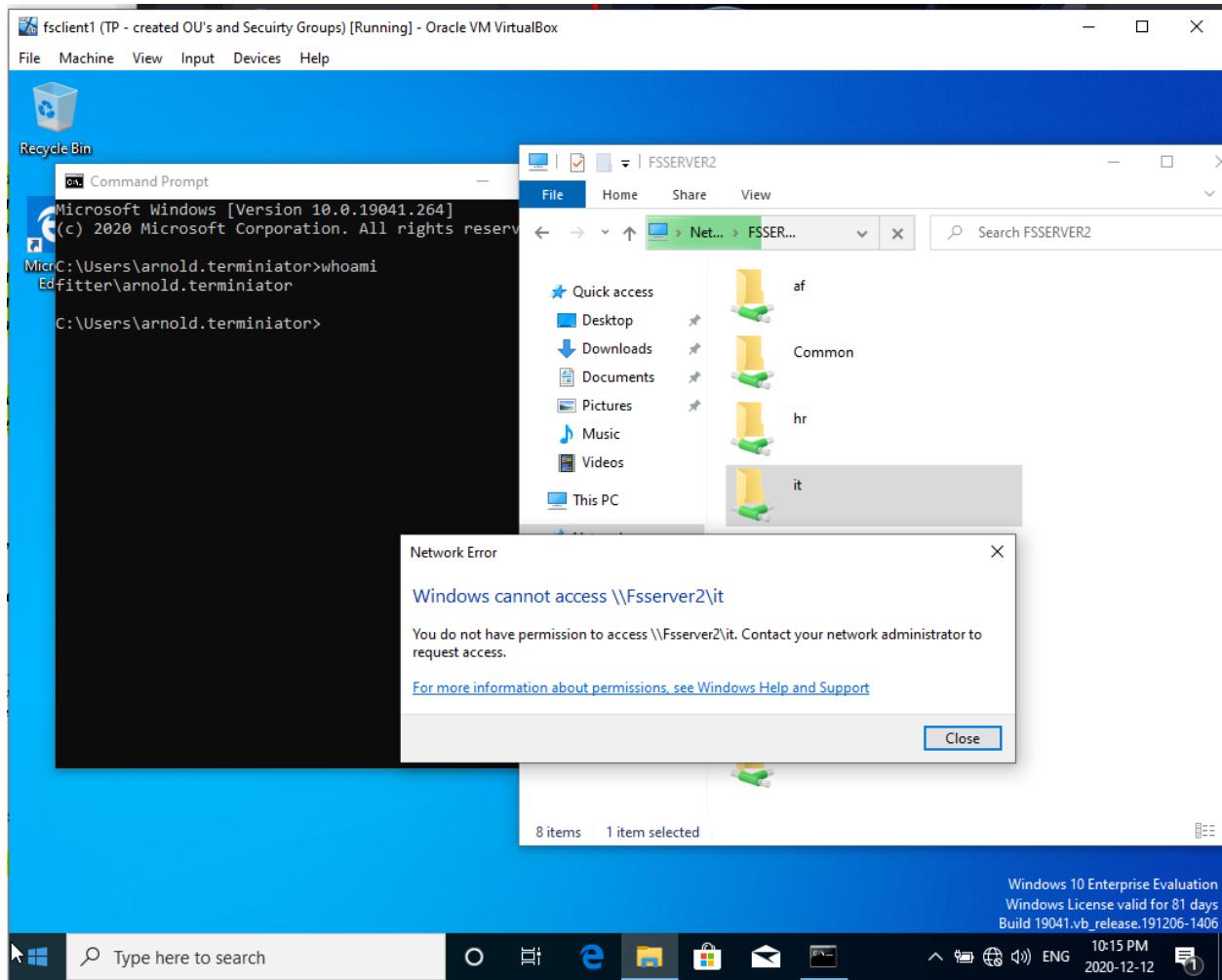
9:36 PM
12/12/2020

Right Ctrl

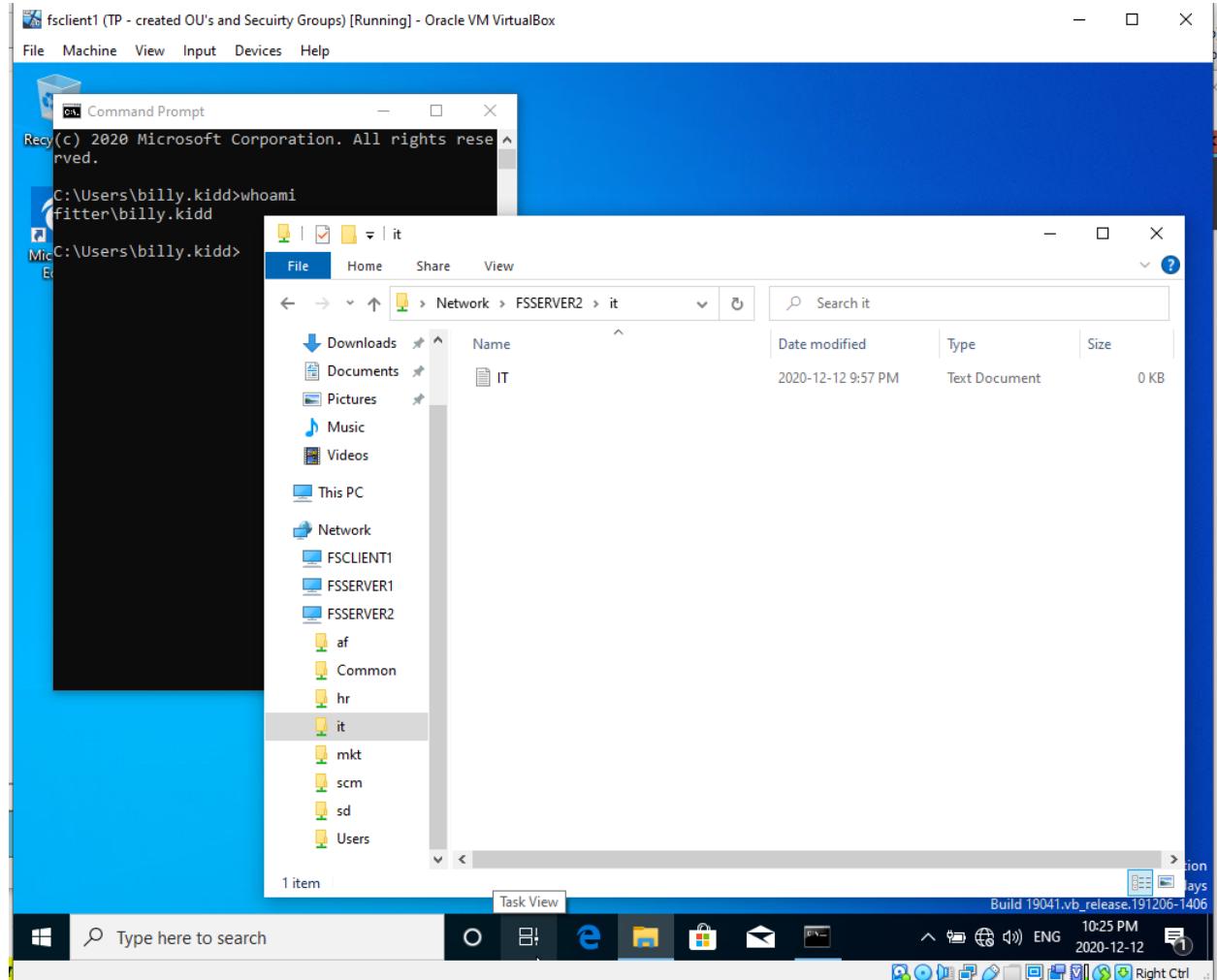
11.f) server 1 – fs_SDAccess domain local group and its members



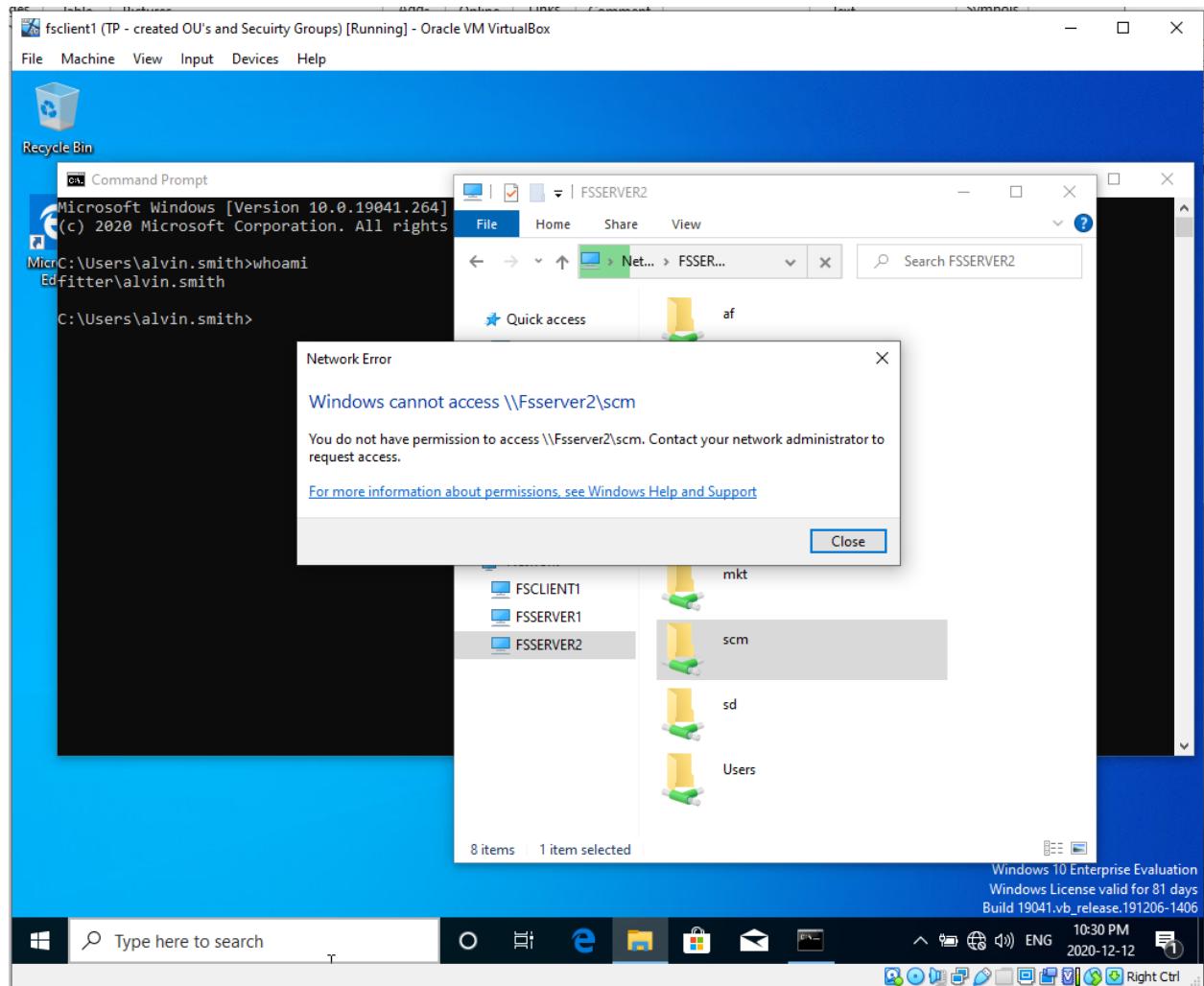
12.b) client – Arnold Terminator – can't access IT : error message



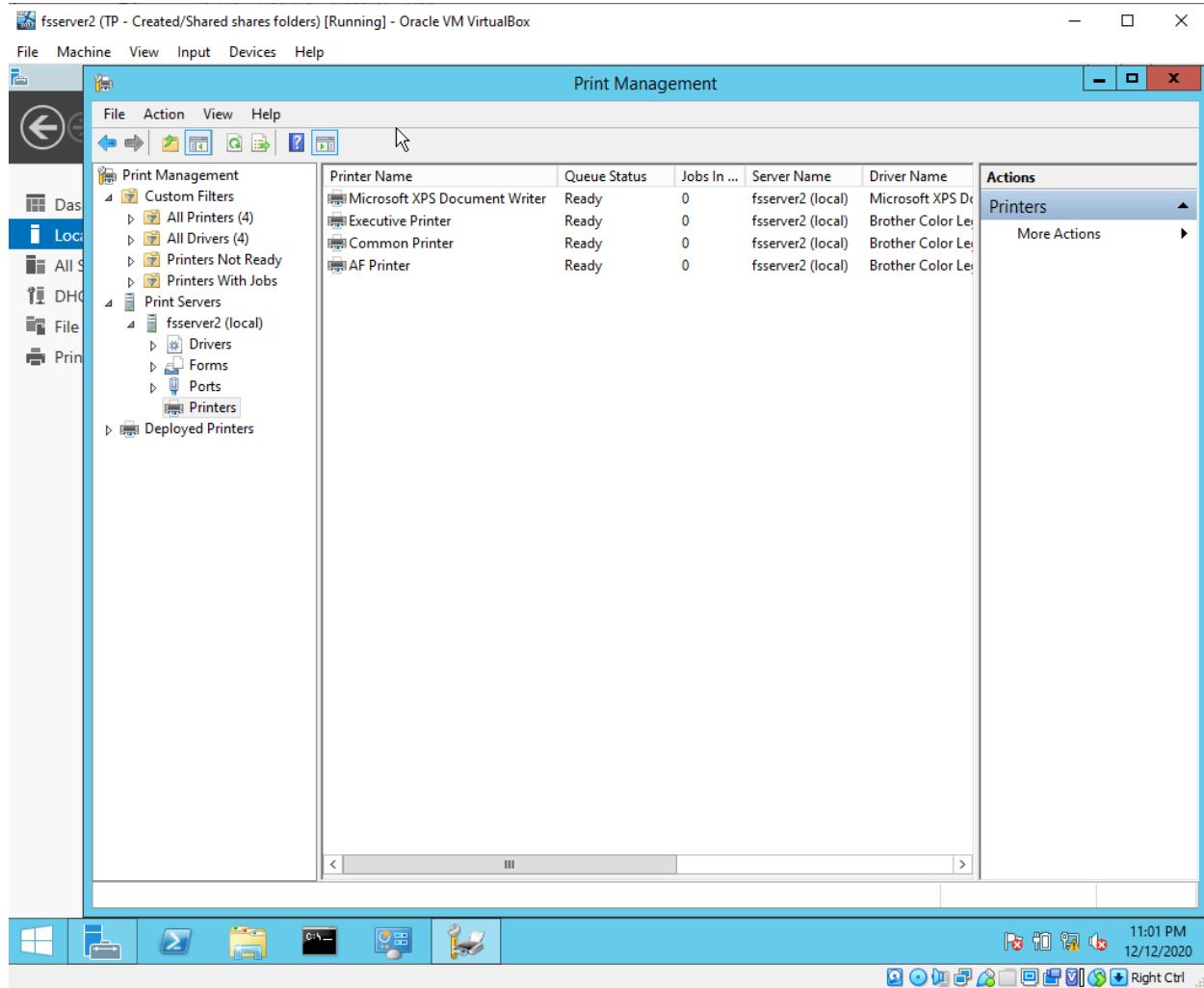
12 c) client – Billy Kidd can access IT folder



12. d) client - Alvin Smith can't access SCM shares



13. h) server2 – print management added printers



14.f) server2 – Fitter snacker home page on Internet Explorer

