

Student number:

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**Bonus point assignment – week 5**

Make relevant screenshots + motivation:

- Proof that the FOG server is installed and is functioning correctly.
- Proof that the FOG server has made a back-up of the Windows11 VM or the Ubuntu 24.04 Desktop VM.

**Deze opdracht is mij niet gelukt helaas**

Waar ik denk dat het fout is gegaan:

- Ik heb de FOG server eerst af geïnstalleerd en daarna pas PXE boot ingesteld. Hier had de FOG server nog het oude DHCP ip adres van de NAT, dit zorgde ervoor dat het niet werkte.
- Verder heb ik ook met de router geen internetverbinding kunnen maken, maar de DHCP werkt wel(?).  
De netwerkadapters werken, en ik heb het zover ik weet ook juist ingesteld op de servers.

Snapshot maken van de VM:

```
root@ubuntu2404: ~  
ubuntu@ubuntu2404:~$ sudo -i  
root@ubuntu2404:~# apt-get -y install git  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  git-man liberror-perl  
Suggested packages:  
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui  
  gitk gitweb git-cvs git-mediawiki git-svn  
The following NEW packages will be installed:  
  git git-man liberror-perl  
0 upgraded, 3 newly installed, 0 to remove and 404 not upgraded.  
Need to get 4,804 kB of archives.  
After this operation, 24.5 MB of additional disk space will be used.  
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 liberror-perl all 0.1  
7029-2 [25.6 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 git-man all 1  
:2.43.0-1ubuntu7.1 [1,100 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 git amd64 1:2  
.43.0-1ubuntu7.1 [3,679 kB]  
Fetched 4,804 kB in 3s (1,917 kB/s)  
Selecting previously unselected package liberror-perl.  
(Reading database ... 151098 files and directories currently installed.)
```

```
root@ubuntu2404:~# git clone https://github.com/FOGProject/fogproject.git  
Cloning into 'fogproject'...  
remote: Enumerating objects: 164738, done.  
remote: Counting objects: 100% (1044/1044), done.  
remote: Compressing objects: 100% (189/189), done.  
remote: Total 164738 (delta 929), reused 855 (delta 855), pack-reused 163694 (fr  
om 4)  
Receiving objects: 100% (164738/164738), 886.91 MiB | 5.94 MiB/s, done.  
Resolving deltas: 100% (116799/116799), done.  
root@ubuntu2404:~#
```

```
root@ubuntu2404:~/fogproject/bin# ./installfog.sh -y  
Installing LSB_Release as needed  
* Attempting to get release information.....Done  
  
+-----+  
| ..#####:.. ..#,.. .:##:~ |  
| :##### :;#####;#;.. |  
| ...#... ..##;##:~:##... |  
| ,# ..##...##:~:## ..:~ |  
| ## .:###,##. .##:~:#####:~ |  
| ...#####:~:##. .. #...#.#...:~:~ |  
+-----+
```

```
http://192.168.91.141/fog/management

Default User Information
Username: fog
Password: password

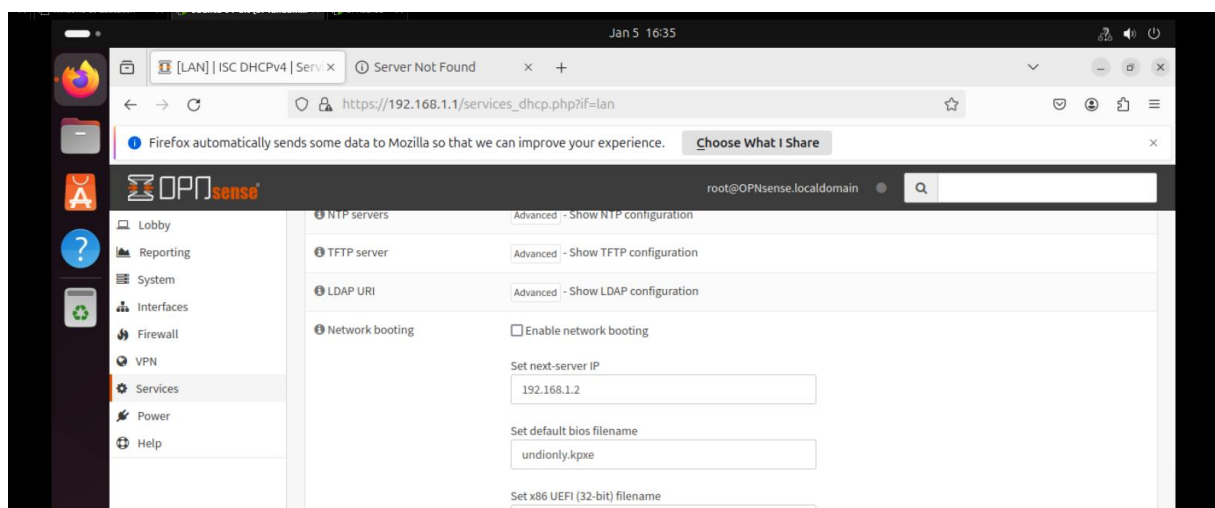
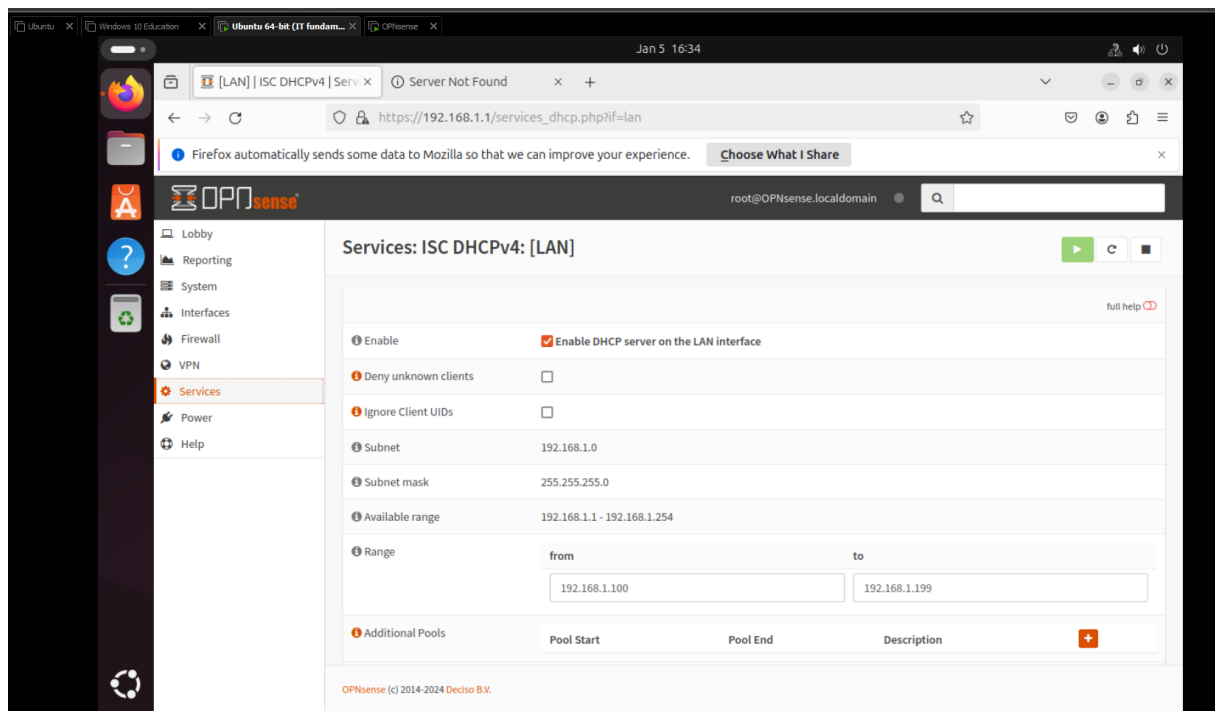
* Changed configurations:

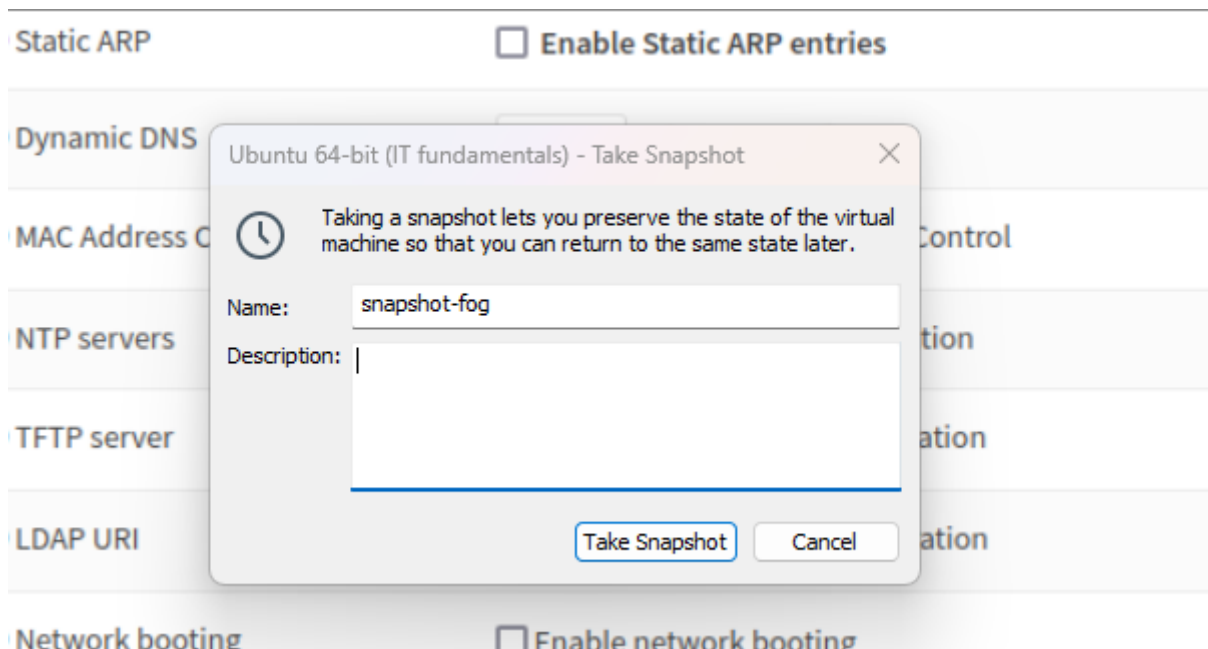
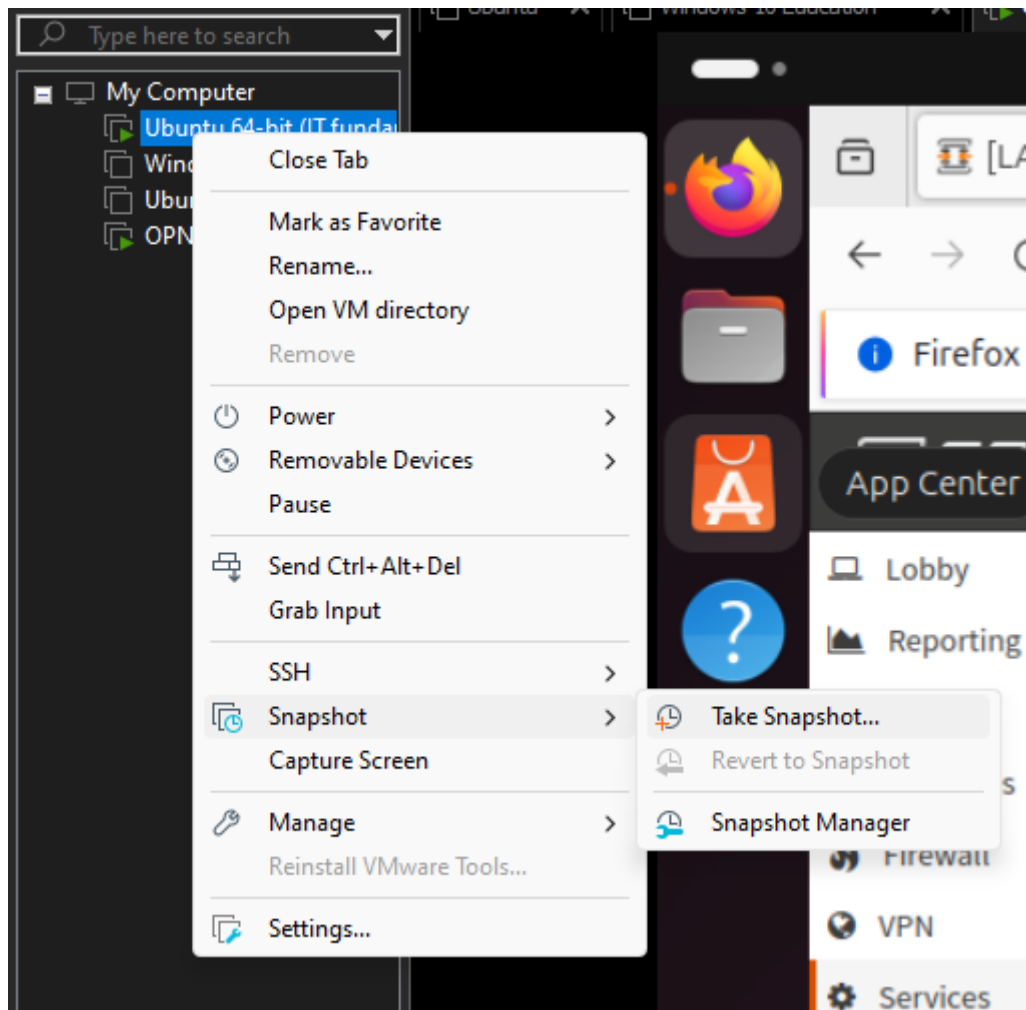
The FOG installer changed configuration files and created the
following backup files from your original files:
* /etc/vsftpd.conf <=> /etc/vsftpd.conf.1736032642
* /etc/exports <=> /etc/exports.1736032642

root@ubuntu2404:~/fogproject/bin#
```

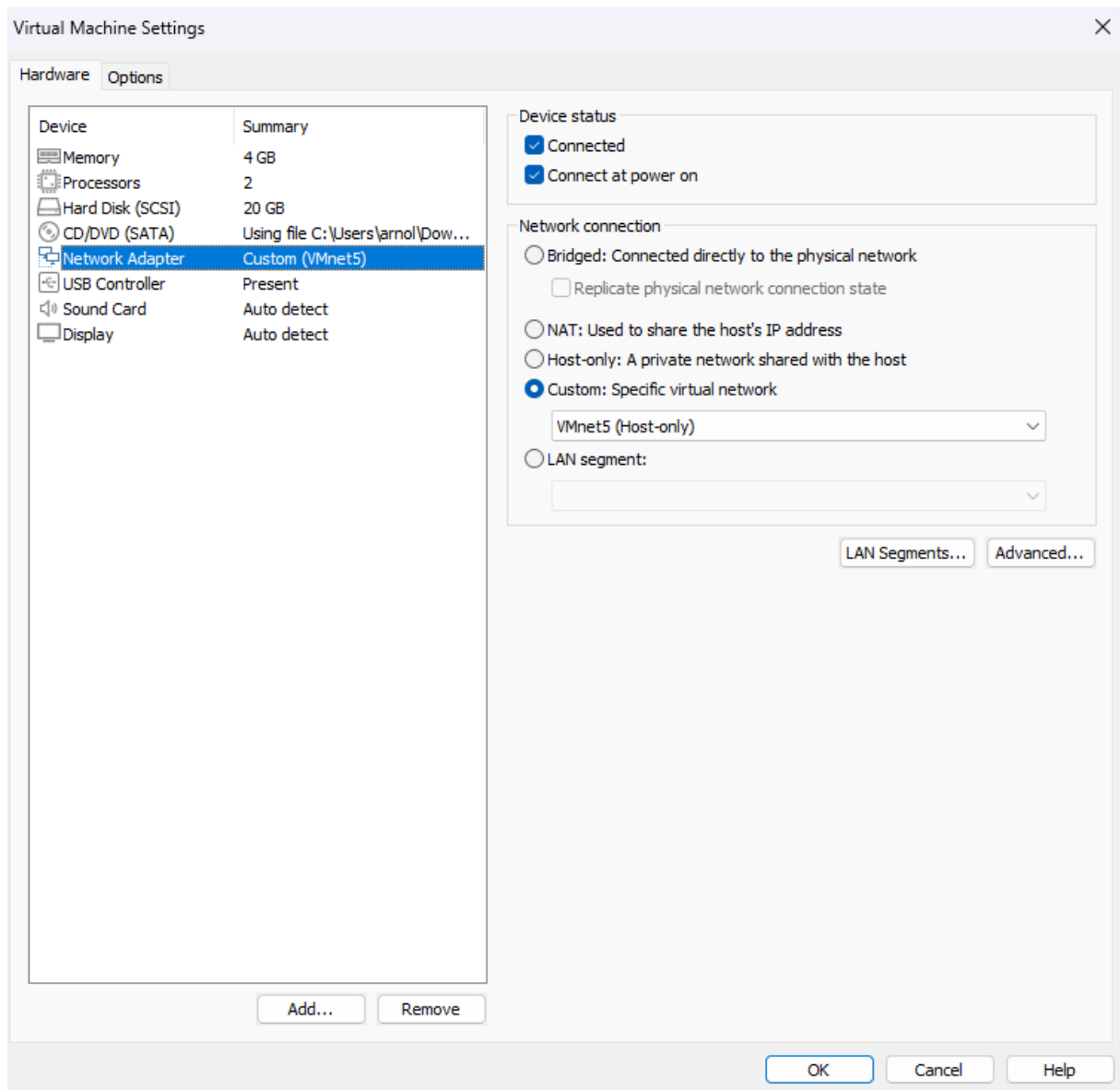
```
ubuntu@ubuntu2404:~$ sudo -i
root@ubuntu2404:~# apt-get -y install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk
  git-cvs git-mediawiki git-svn
```


```
root@ubuntu2404: ~
Fetch 4,804 kB in 3s (1,917 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 151098 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-2_all.deb ...
Unpacking liberror-perl (0.17029-2) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.43.0-1ubuntu7.1_all.deb ...
Unpacking git-man (1:2.43.0-1ubuntu7.1) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.43.0-1ubuntu7.1_amd64.deb ...
Unpacking git (1:2.43.0-1ubuntu7.1) ...
Setting up liberror-perl (0.17029-2) ...
Setting up git-man (1:2.43.0-1ubuntu7.1) ...
Setting up git (1:2.43.0-1ubuntu7.1) ...
Processing triggers for man-db (2.12.0-4build2) ...
root@ubuntu2404:~# yum -y install git
Command 'yum' not found, did you mean:
  command 'gum' from snap gum (0.13.0)
  command 'num' from deb quickcal (2.4-1)
  command 'sum' from deb coreutils (9.4-2ubuntu2)
  command 'zum' from deb perforate (1.2-5.3)
  command 'uum' from deb freewnn-jserver (1.1.1~a021+cvcs20130302-7build1)
See 'snap info <snapname>' for additional versions.
root@ubuntu2404:~#
```





PhoenixBIOS Setup Utility					
Main	Advanced	Security	Boot	Exit	
Network boot from Intel E1000 Removable Devices +Hard Drive CD-ROM Drive				Item Specific Help  Keys used to view or configure devices: <Enter> expands or collapses devices with a + or - <Ctrl+Enter> expands all <+> and <-> moves the device up or down. <n> May move removable device between Hard Disk or Removable Disk <d> Remove a device that is not installed.	
F1	Help	↑↓	Select Item	-/+	Change Values
Esc	Exit	↔	Select Menu	Enter	Select ► Sub-Menu
F9	Setup Defaults				F10
				Save and Exit	



 Virtual Network Editor

Name	Type	External Connection	Host Connection	DHCP	Subnet Address
VMnet1	Host-only	-	Connected	Enabled	192.168.10.0
VMnet5	Host-only	-	Connected	Enabled	192.168.1.0
VMnet8	NAT	NAT	Connected	Enabled	192.168.91.0

Add Network...

Remove Network

Rename Network...

VMnet Information

☐ Bridged (connect VMs directly to the external network)

Bridged to:

Automatic Settings...

☐ NAT (shared host's IP address with VMs)

NAT Settings...

☒ Host-only (connect VMs internally in a private network)

☒ Connect a host virtual adapter to this network


Host virtual adapter name: VMware Network Adapter VMnet5

☒ Use local DHCP service to distribute IP address to VMs

DHCP Settings...

Subnet IP: 192 . 168 . 1 . 0

Subnet mask: 255 . 255 . 255 . 0

 Administrator privileges are required to modify the network configuration.

Change Settings

Restore Defaults

Import...

Export...

OK

Cancel

Apply

Help



## Netwerkaart van de tweede ubuntu server

Cancel

Wired

Apply

DetailsIdentityIPv4IPv6Security

Link speed1000 Mb/s

IP Address192.168.1.129

Hardware Address00:0C:29:F9:27:AB

DNS192.168.1.128

☒ Connect automatically

☒ Make available to other users

☐ Metered connection: has data limits or can incur charges  
Software updates and other large downloads will not be started automatically.

Remove Connection Profile...

## Netwerkkarten van de FOG server (1x NAT, 1x VMNET5):

Settings

Network

Bluetooth

Displays

Sound

Power

Multitasking

Appearance

Ubuntu Desktop

Apps

Notifications

Search

Online Accounts

Sharing

Network

Ethernet (ens33)  
Connected - 1,000 Mb/s

Ethernet (ens37)  
Connected - 1,000 Mb/s

VPN  
Not set up

Proxy  
Proxy Off

## VMNET5:

Cancel

Wired

Apply

DetailsIdentityIPv4IPv6Security

Link speed1000 Mb/s

IP Address192.168.1.131

Hardware Address00:0C:29:71:90:B8

DNS192.168.1.128

☒ Connect automatically

☒ Make available to other users

☐ Metered connection: has data limits or can incur charges  
Software updates and other large downloads will not be started automatically.

Remove Connection Profile...

## NAT:

Cancel

Wired

Apply

DetailsIdentityIPv4IPv6Security

Link speed1000 Mb/s

IPv4 Address192.168.1.50

IPv6 Addressfe80::18e4:ede2:7fba:264d

Hardware Address00:0C:29:71:90:C2

Default Route192.168.1.1  
fe80::20c:29ff:fe17:a6c7

☒ Connect automatically

☒ Make available to other users

☐ Metered connection: has data limits or can incur charges  
Software updates and other large downloads will not be started automatically.

Remove Connection Profile...