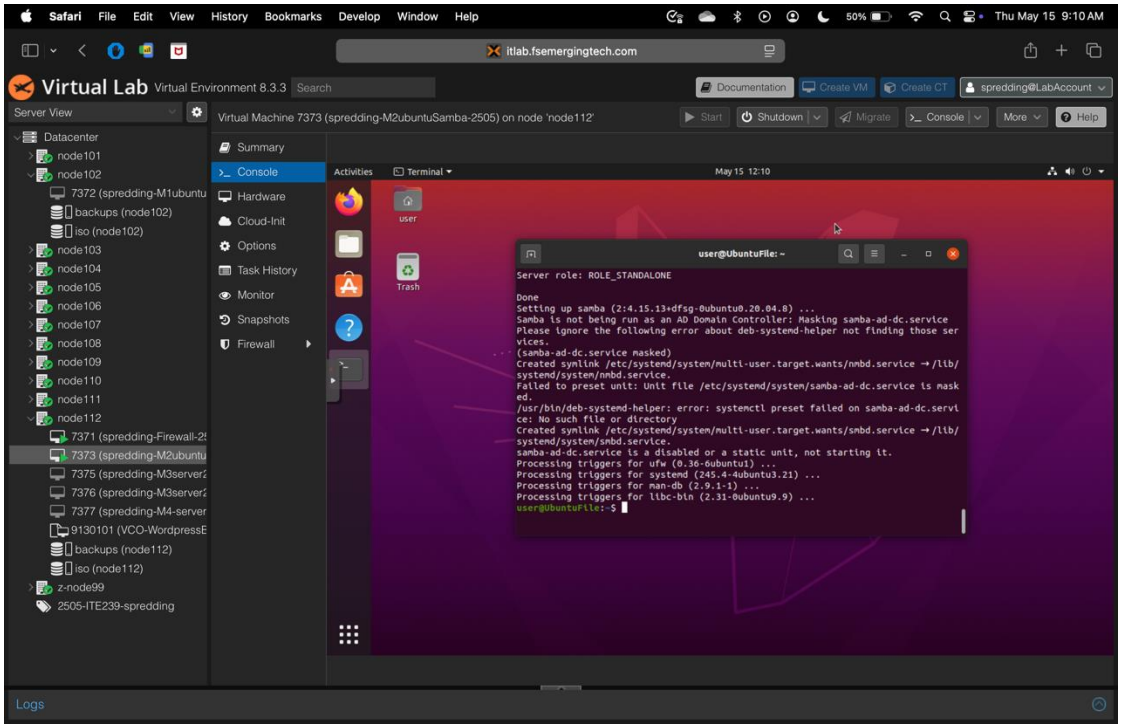
PART I – Installation & configuration of Samba on Ubuntu

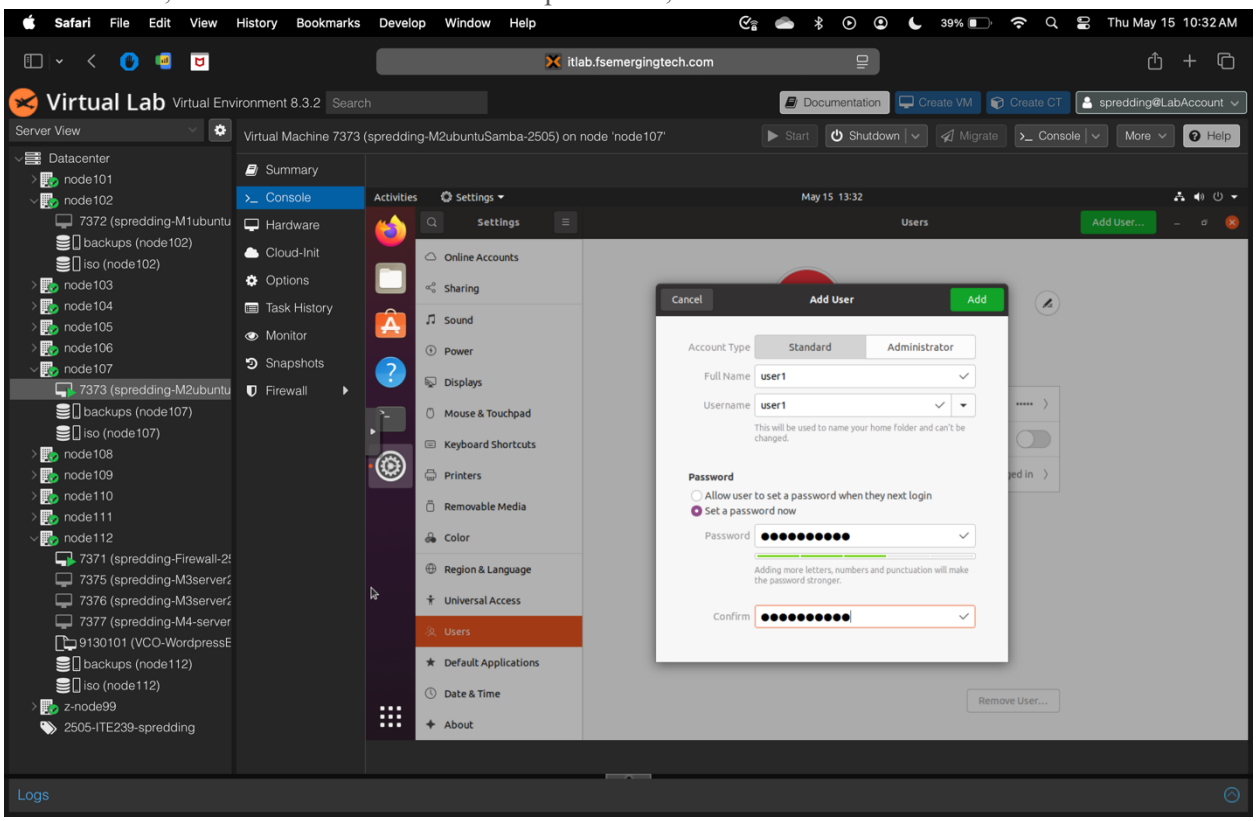
TASK#1 – After updating the Hostname to "UbuntuFile" using the command '*nmtui*'.
To install Samba, use the command '*sudo apt install samba*'.



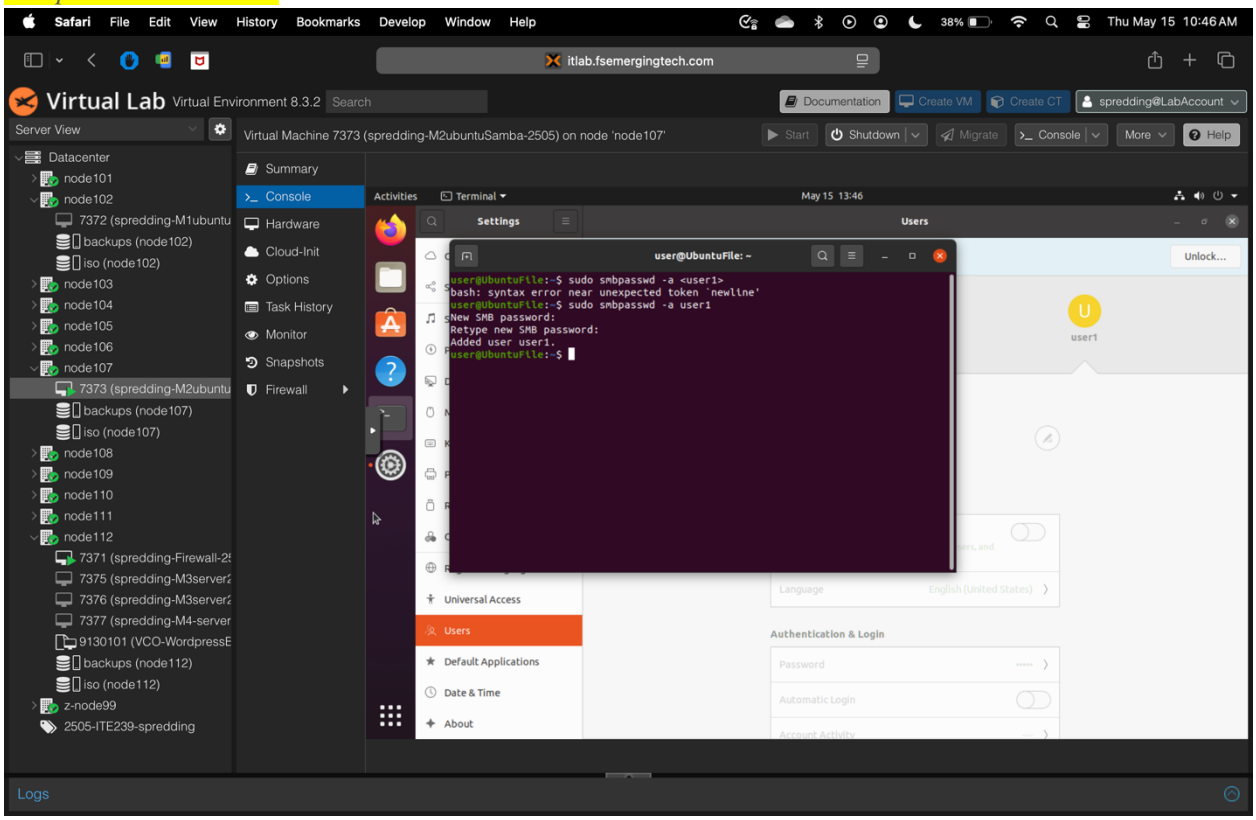
TASK#2 – Create a new user on Ubuntu using the details below:

Username: user1
Password: Fullsail1!

Click the menu on the bottom left corner of the screen, find settings, once settings are open, scroll down to “Users” and click, you may have to enter your password to see “Add User”, click and enter the details provided, add the user.

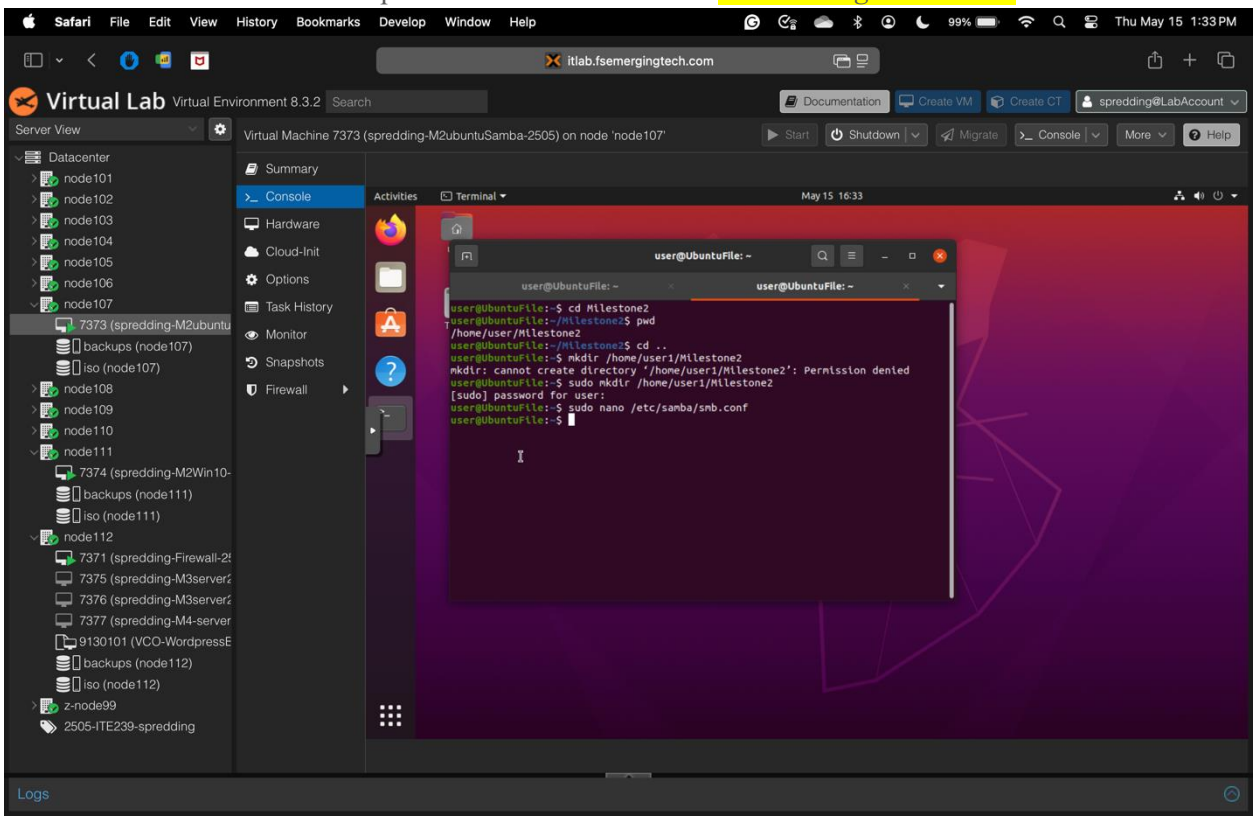


TASK#3 – Create a Samba password for the new user using the command '*sudo smbpasswd -a user1*'.

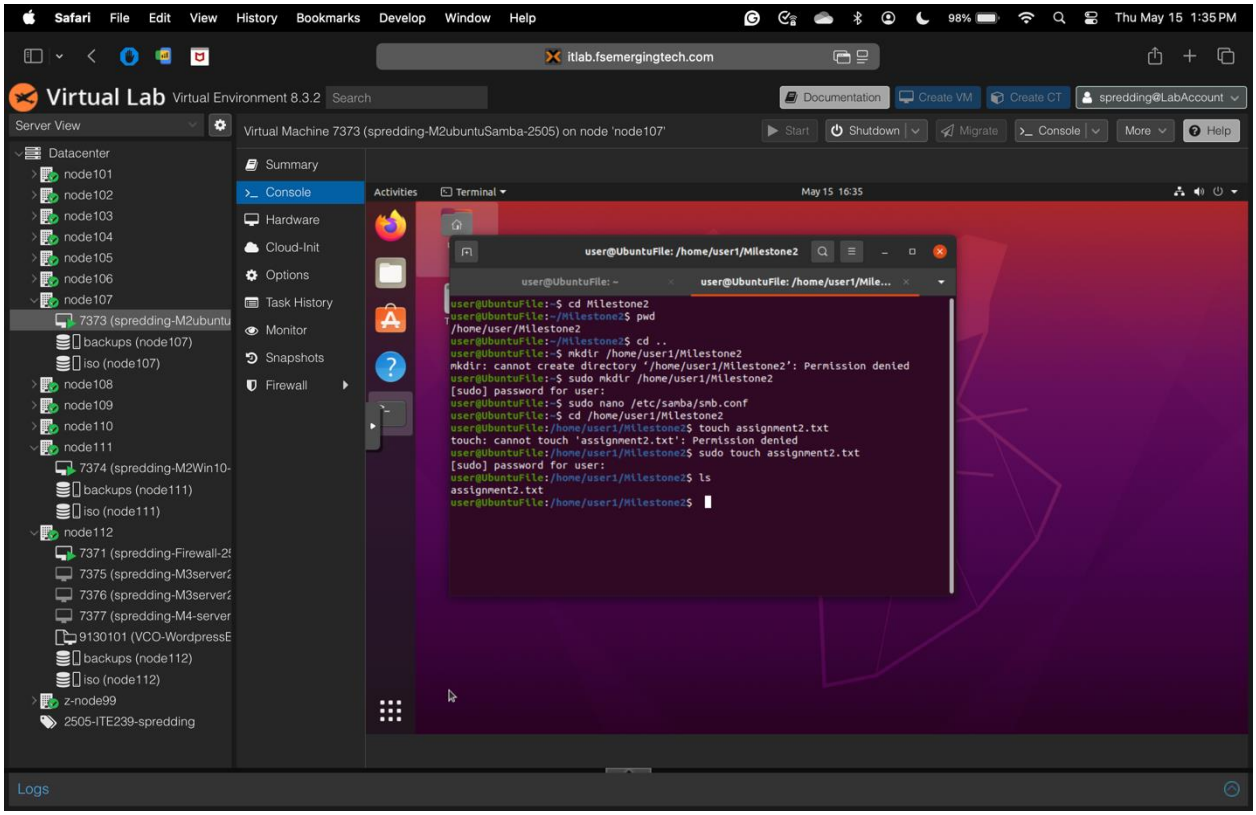


TASK#4 – Now, let's create a new directory named "Milestone2": *mkdir /home/user1/Milestone2*

And create a new text file to input into our new folder: *touch assignment2.txt*

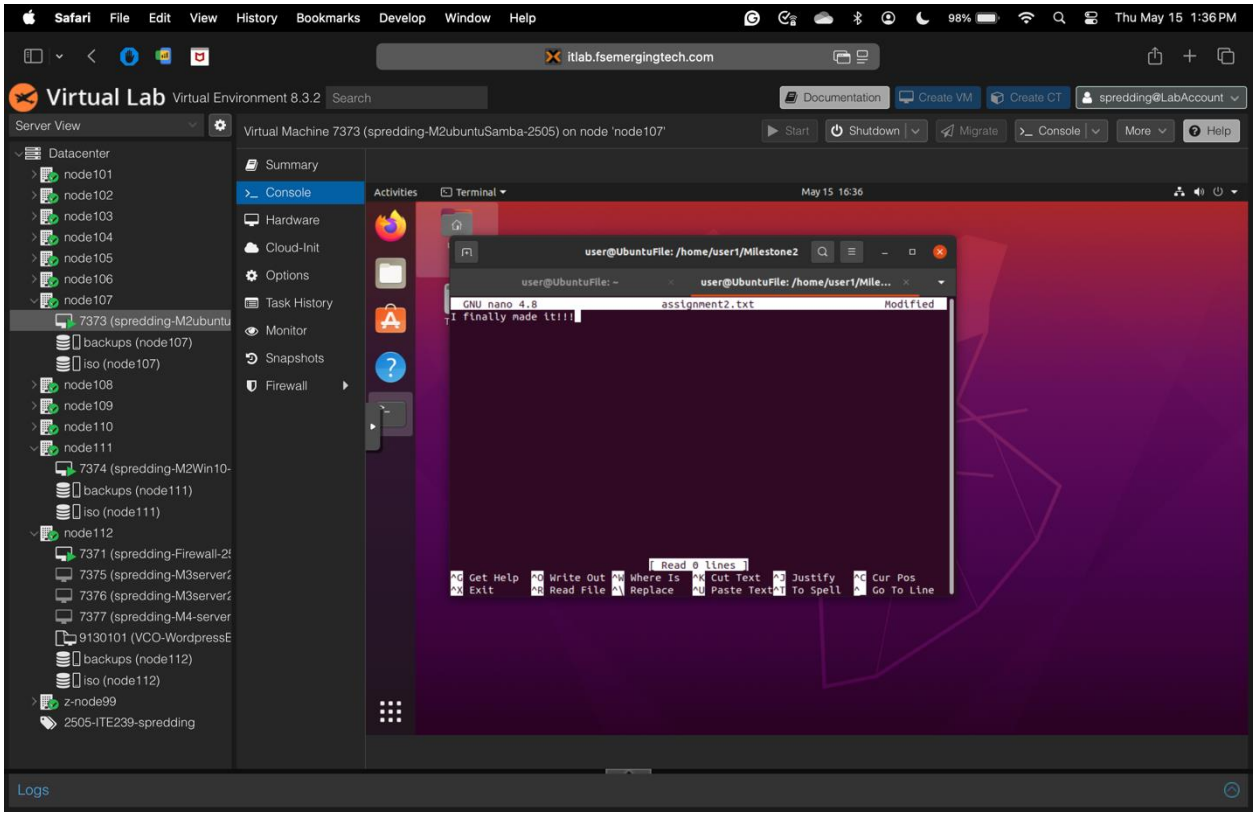


TASK#5 – To create a text file, use: *sudo vim or touch assignment2.txt*



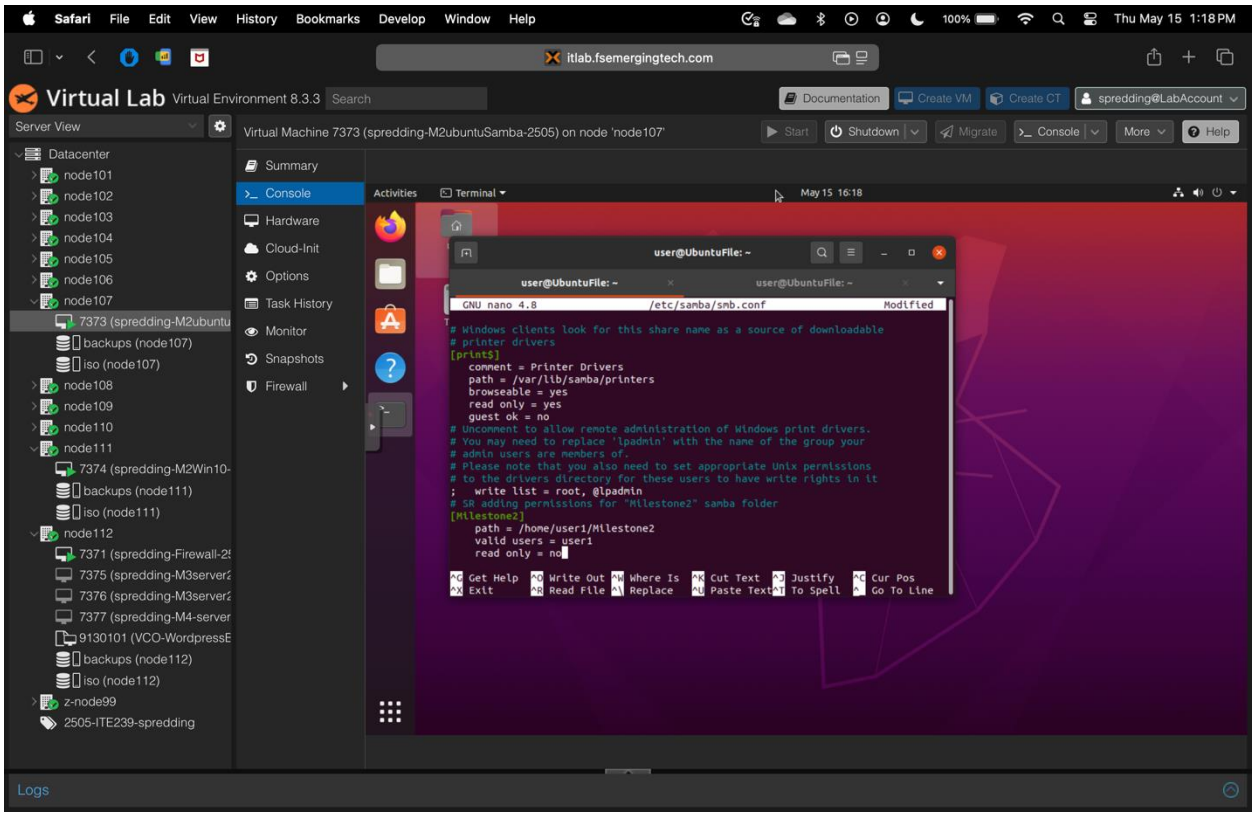
TASK#6 – After making and placing the txt file in the Milestone2 folder, edit the txt file using the command "*nano assignment2.txt*" and insert the following text: "I finally

made it!!!”, save.

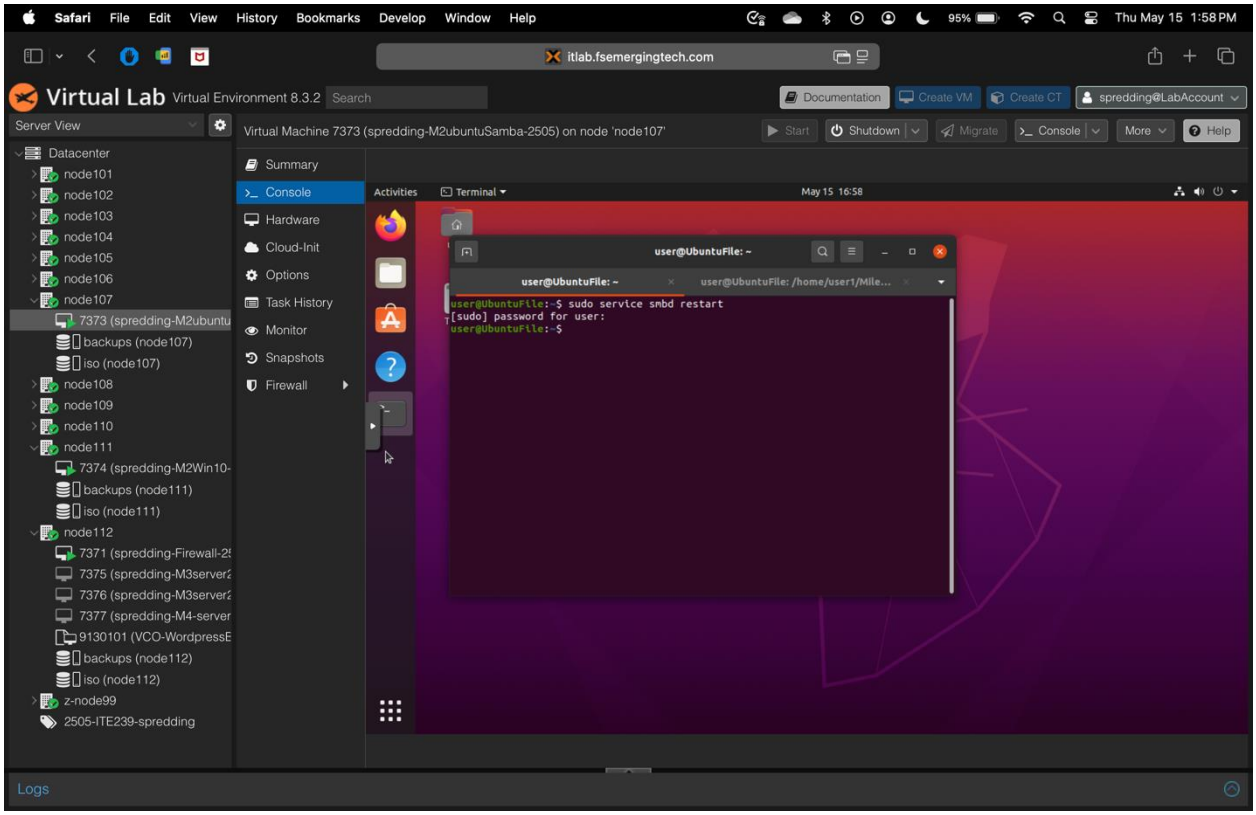


TASK#7 – Now, to add the share for Milestone 2 to the Samba config file. Use the command *‘sudo nano /etc/samba/smb.conf’* to access the Samba configuration file.

Next, scroll all the way to enter the code below. Exit and save the file (*ctl-x, Y, Enter*).



TASK#8 – After finishing the configurations to the Samba config file, restart the service using the command: *sudo service smbd restart*


Safari File Edit View History Bookmarks Develop Window Help
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itlab.fsemergingtech.com
Virtual Lab Virtual Environment 8.3.2
Search
Documentation
Create VM
Create CT
spredding@LabAccount
Server View
Virtual Machine 7373 (spredding-M2ubuntuSamba-2505) on node 'node107'
Start
Shutdown
Migrate
Console
More
Help
Datacenter
node101
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7373 (spredding-M2ubuntu
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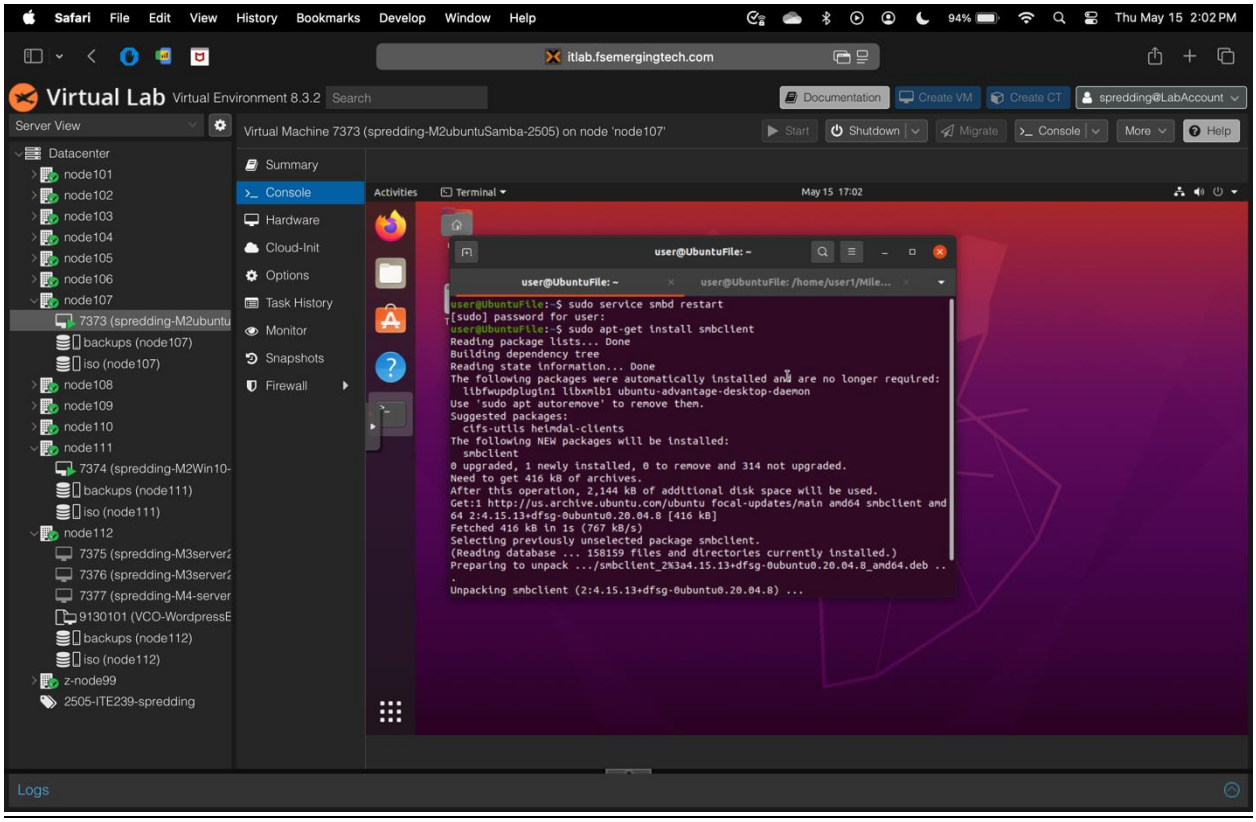
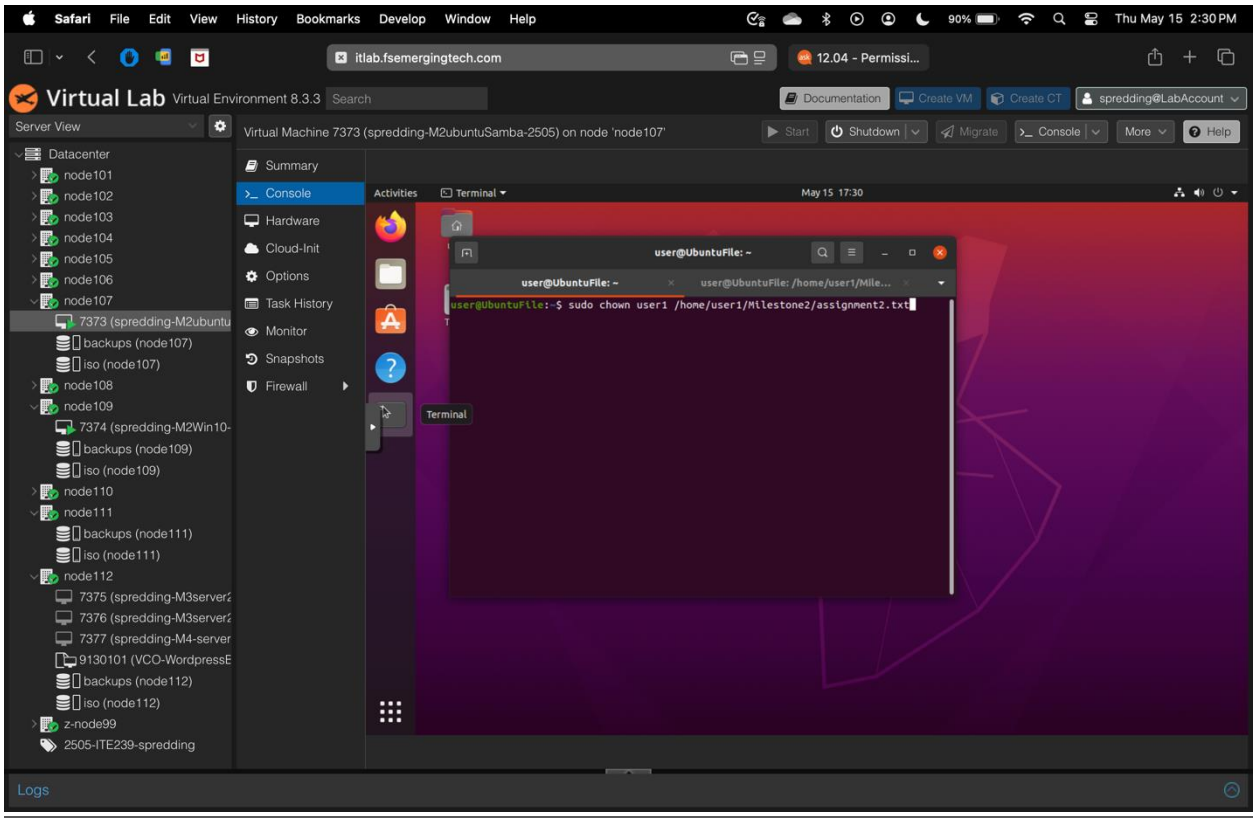
iso (node112)
z-node99
2505-ITE239-spredding
Summary
Console
Hardware
Cloud-Init
Options
Task History
Monitor
Snapshots
Firewall
Activities
Terminal
May 15 16:58
user@UbuntuFile: ~
user@UbuntuFile: ~
user@UbuntuFile: /home/user1/Mile...
user@UbuntuFile:~$ sudo service smbd restart
[sudo] password for user:
user@UbuntuFile:~$
Logs

TASK#9 – Install the smbclient for Samba

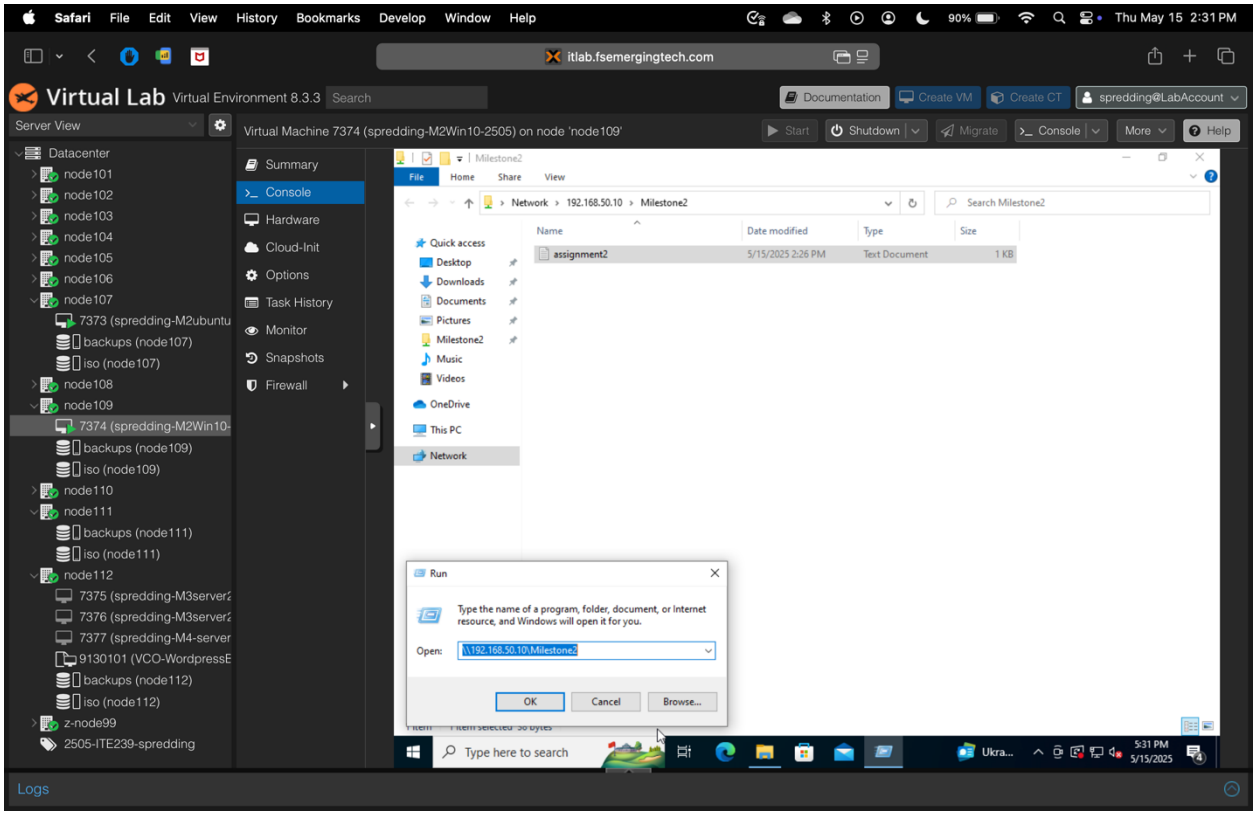


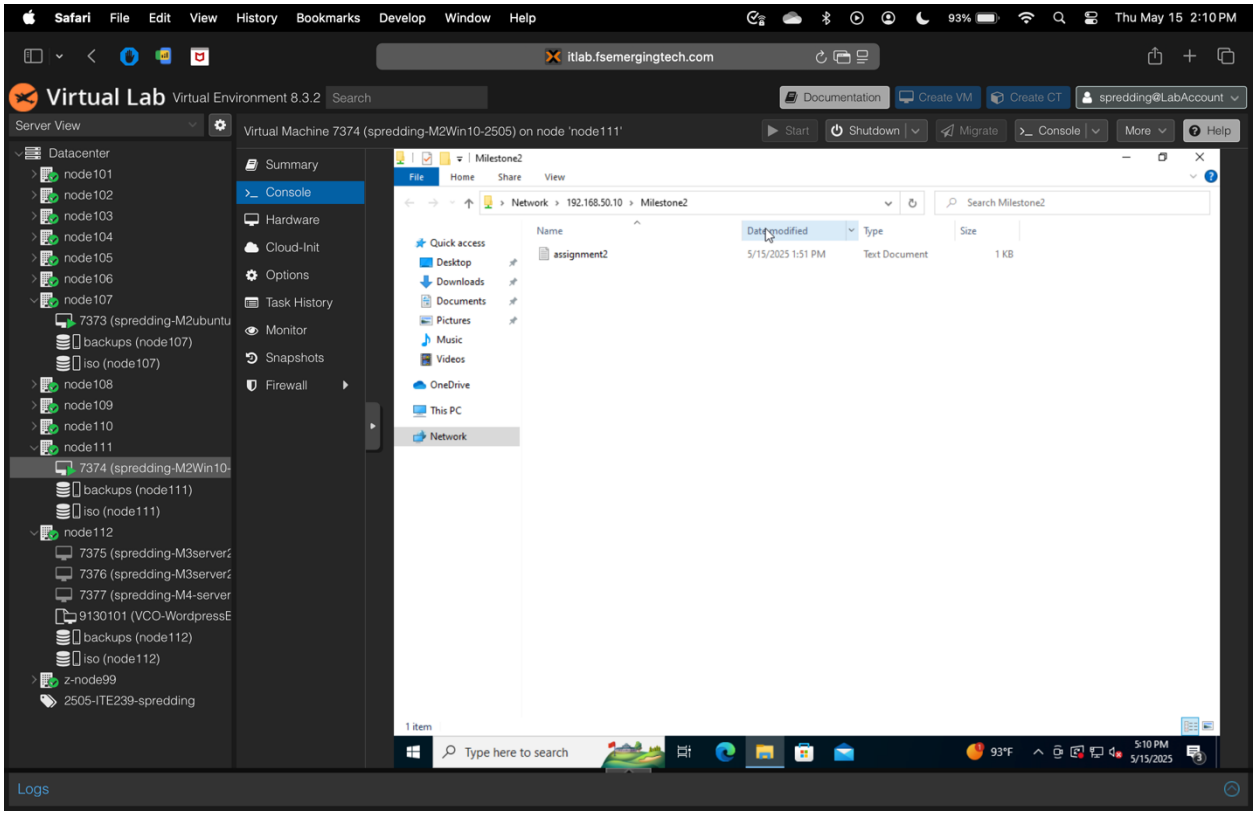
MAKE SURE USER1 HAS OWNERSHIP!!!:



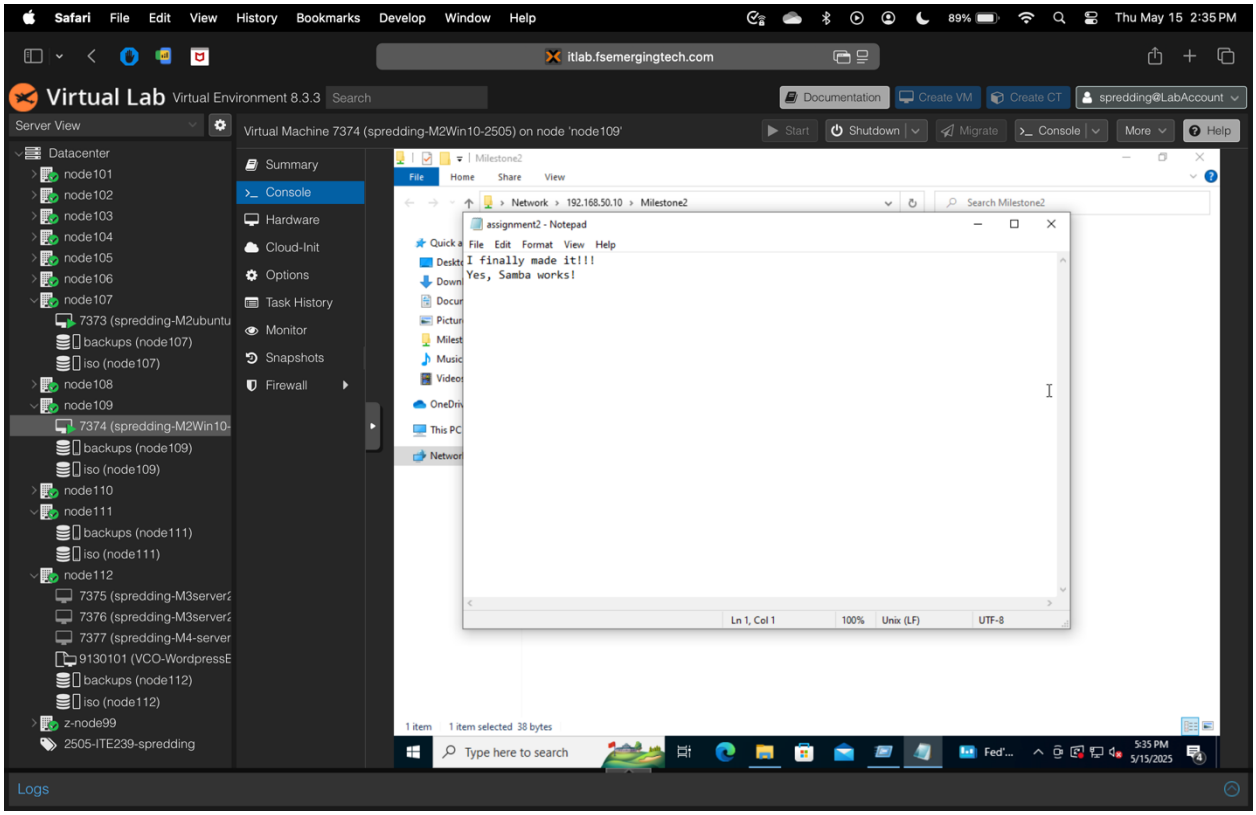
PART II – Accessing Samba share via Windows client

TASK#1 – Right-click the Windows menu bottom left corner and run the script below.

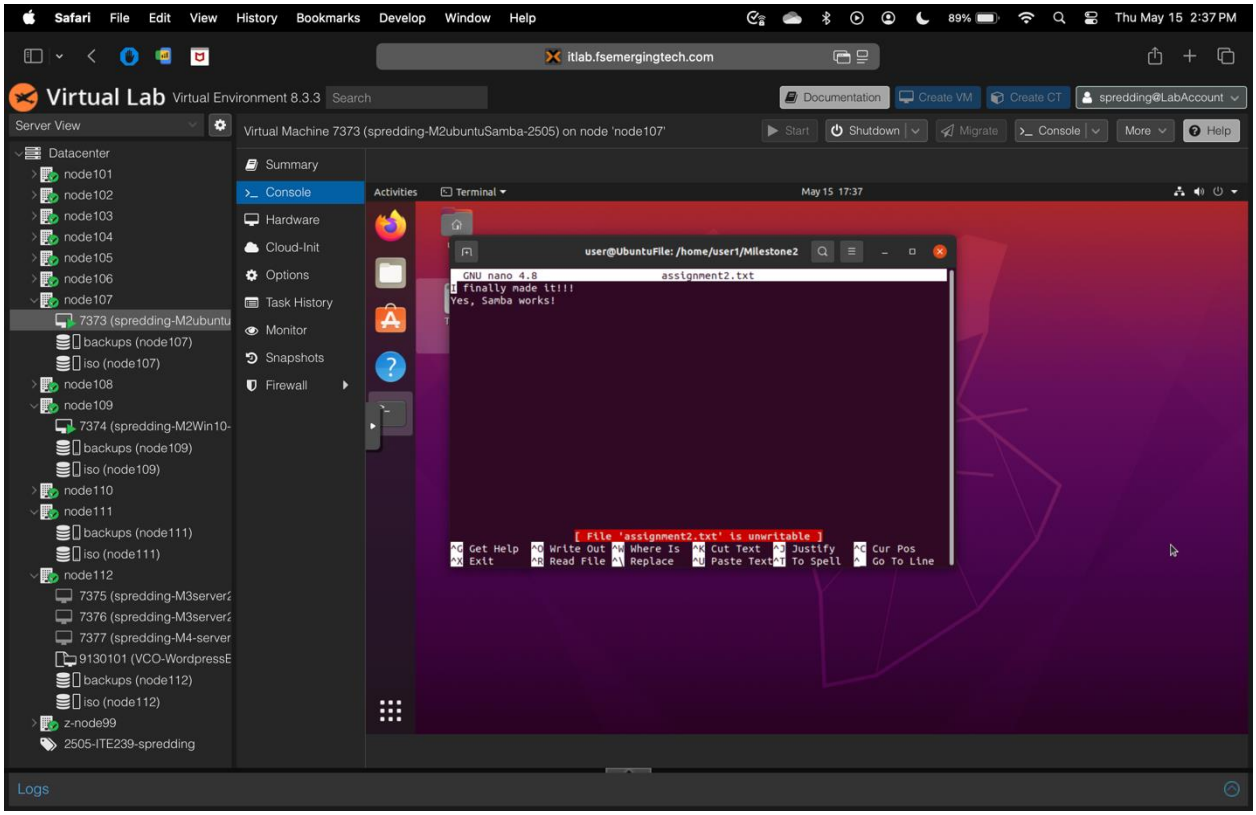




TASK#2 – After finding the file “assignment2.txt” open it and add the following.



TASK#3 – confirm the changes on Ubuntu VM. *'cd /home/user1/Milestone2' and 'nano assignment2.txt'*



WRITE-UP

File sharing is a huge part of modern times from medical documents to leasing agreements, file sharing has increased overall productivity of hundreds of thousands of businesses. Interoperability is the ability for computer systems or software to exchange or share information. Imagine if interoperability between OS's did not exist. Believe it or not productivity and efficiency would suffer greatly. The reason for this is each OS has its strong point and something it excels in. For example, Windows OS with its built-in Windows Security provides a host of security and admin features. Linux with its high performance, resiliency, and flexibility is the choice for many in managing servers, software developers, and highly customizable interface. Not only does each OS have a strong suite but each business and organization is different and being able to communicate effectively with peers and abroad is very important. There are two forms of interoperability; The first form is the ability to communicate messages say from a provider to a patient, called horizontal interoperability. According to the Europe's DMA (Digital Marketing Act), a group of technical policymakers, horizontal interoperability main reason is to "improve the contestability of digital markets". Exactly that, since the concept of interoperability emerged in the 1990's digital marketing is booming. The second form of interoperability is vertical interoperability, which is the compatibility of data sharing software among operating systems and platforms. This goes into greater detail than horizontal interoperability and includes communication among organizations and different administrative levels. Both have been used to improve user-centered interoperability and communication between organizations and much more. When you think about it, Interoperability is the foundation of the internet where various networks, network devices, and softwares much communicate to fulfill requests and run tasks. With that

being said we can truly see the importance and impact that interoperability has brought into modern times and technology.

References:

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