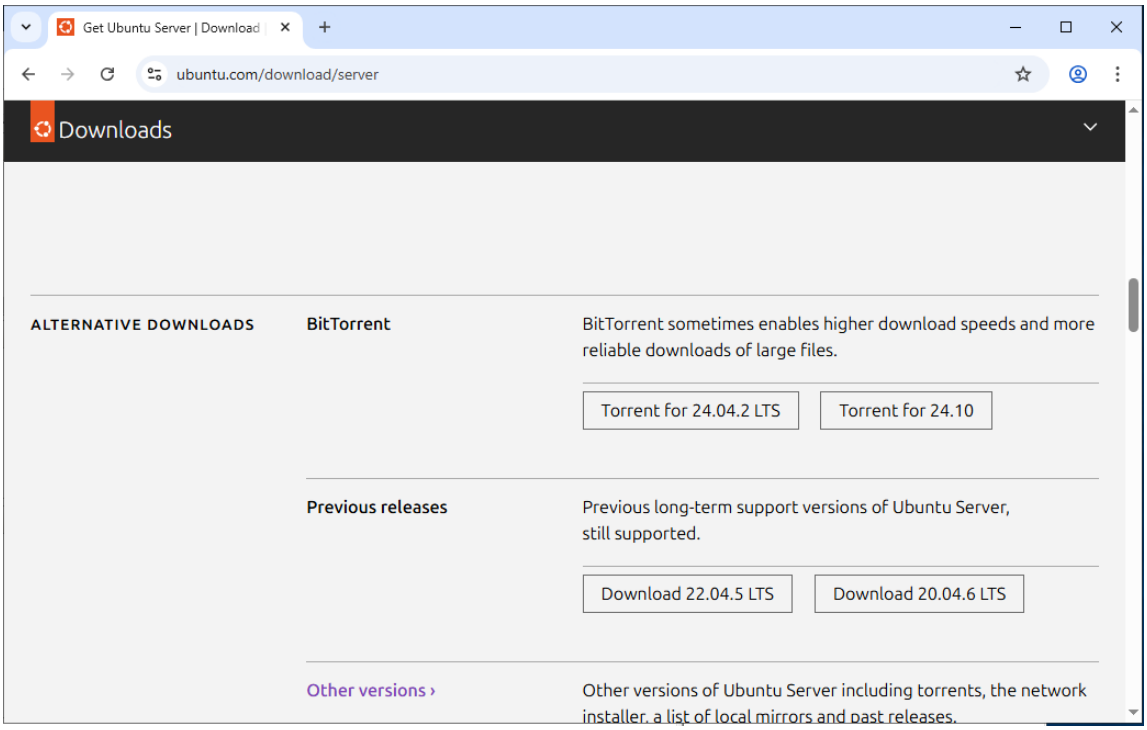
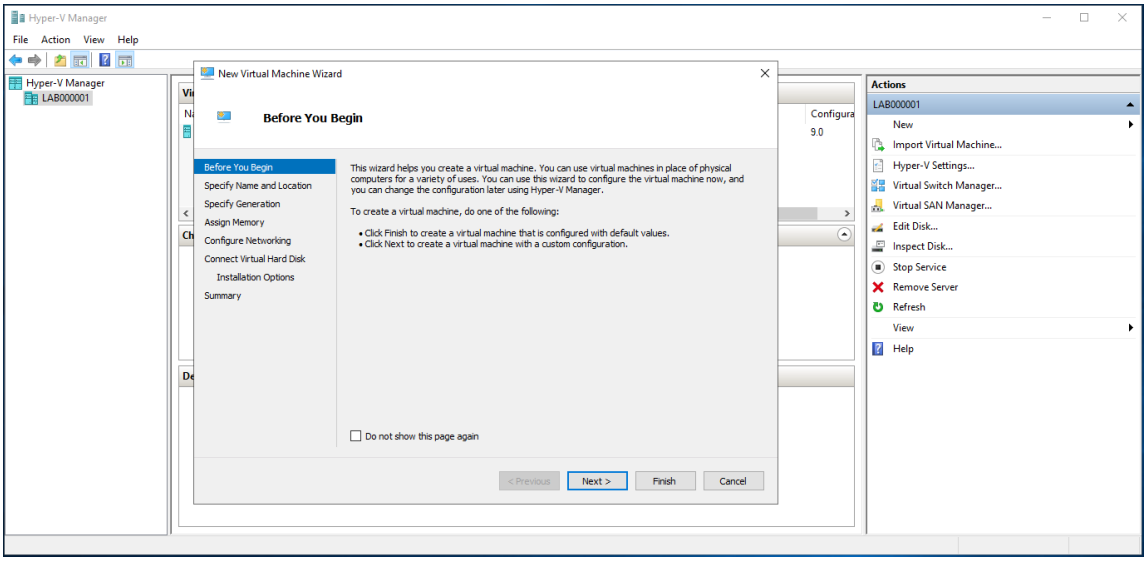
Install and Configure Ubuntu 22.04 VM in Hyper-V

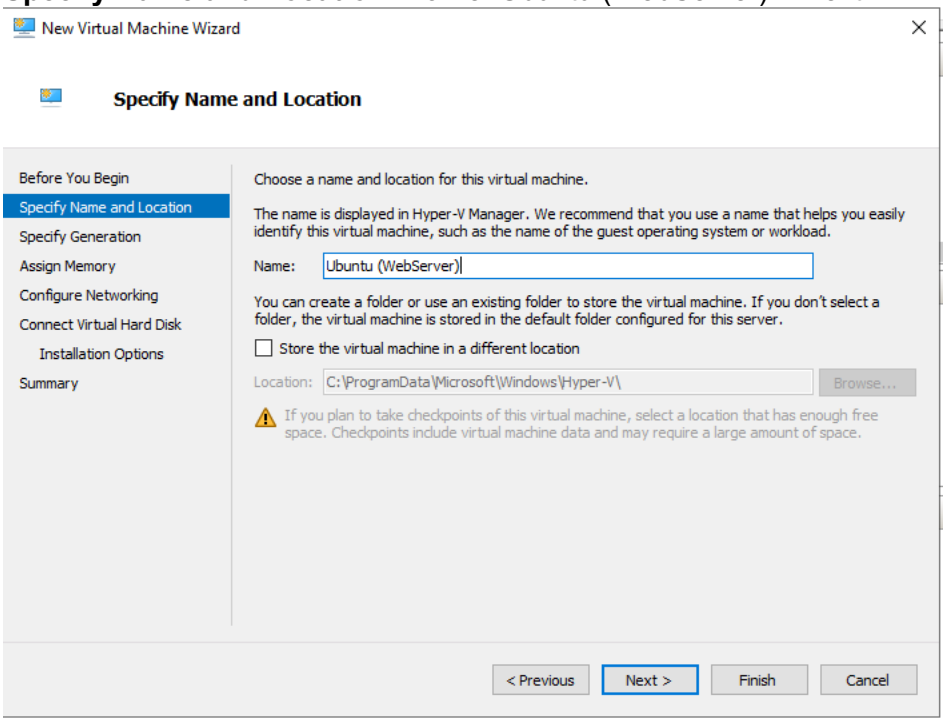
Download the ISO File:
Sign in to Azure Lab
Go to https://ubuntu.com/download/server
Download 22.04.5 LTS from previous releases in alternative downloads section.



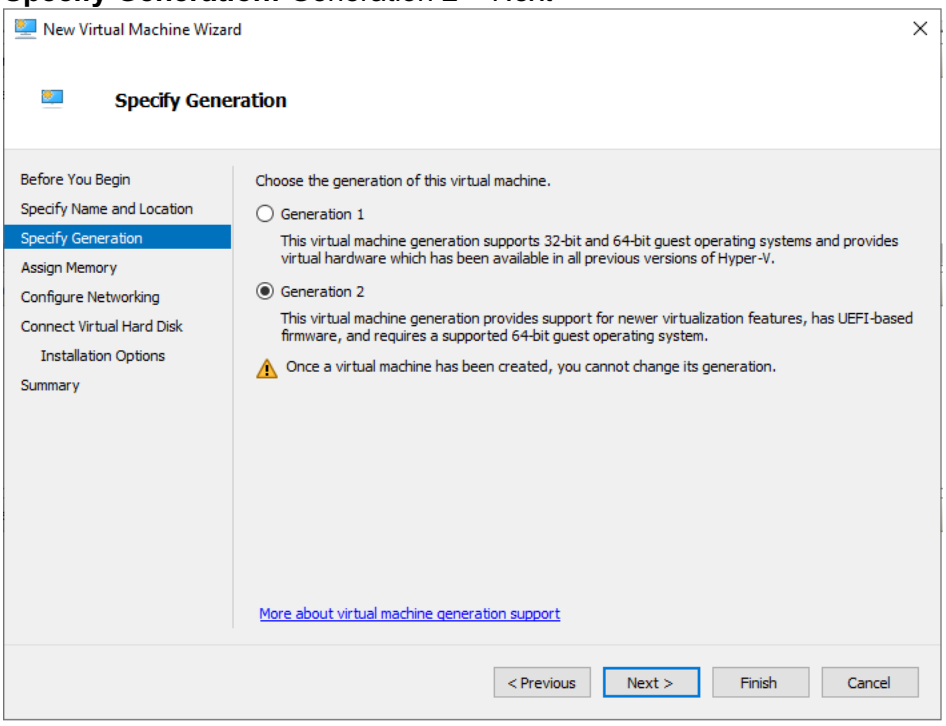
Open Hyper-V,
Click New > Virtual Machine
In the New Virtual Machine Wizard > Next



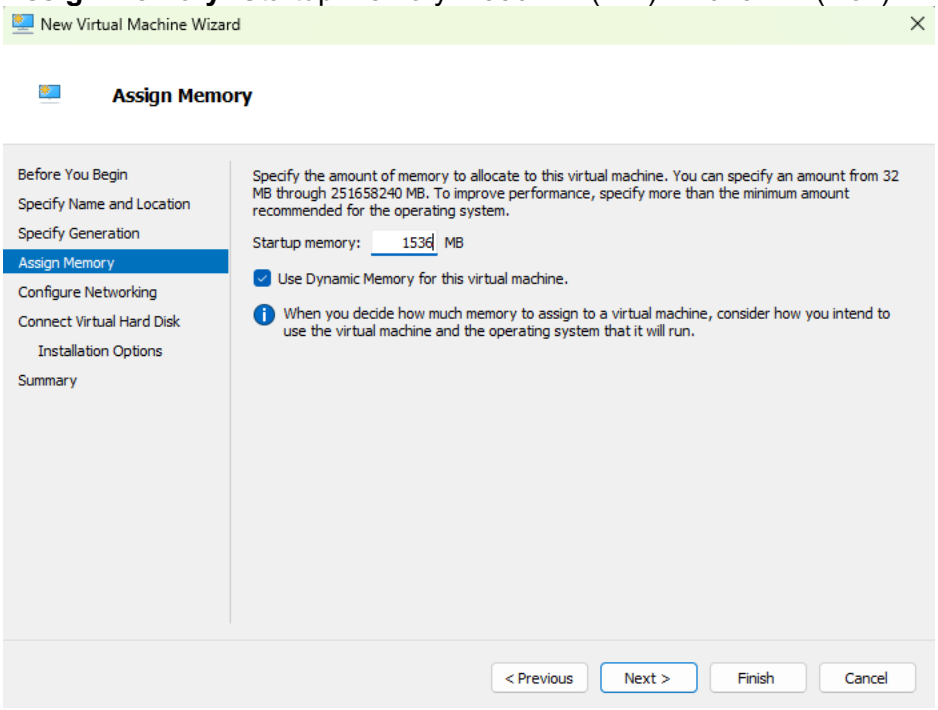
Specify Name and Location: Name: Ubuntu (WebServer) > Next



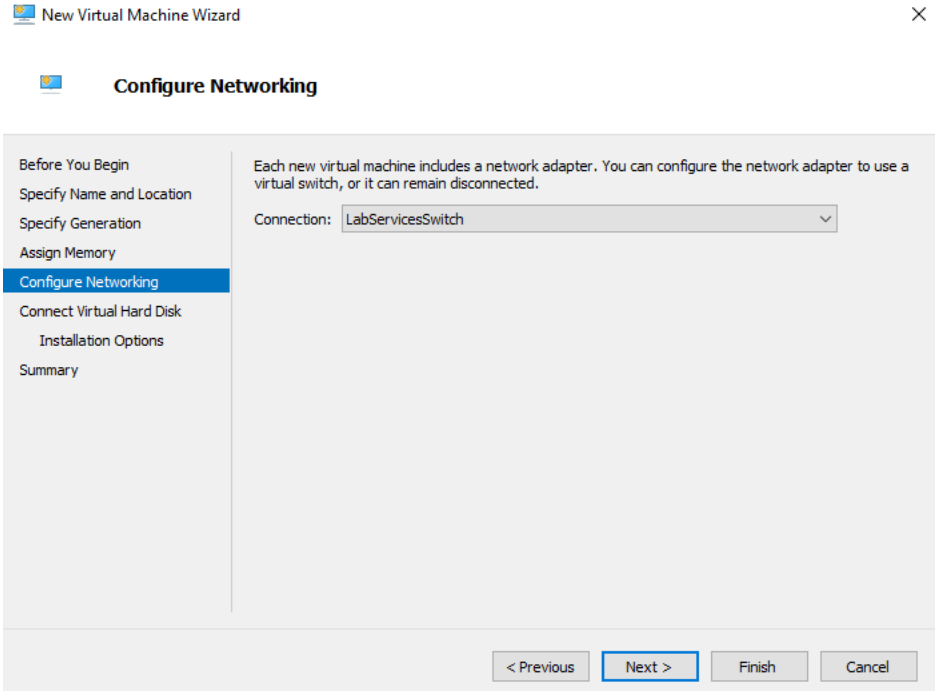
Specify Generation: Generation 2 > Next



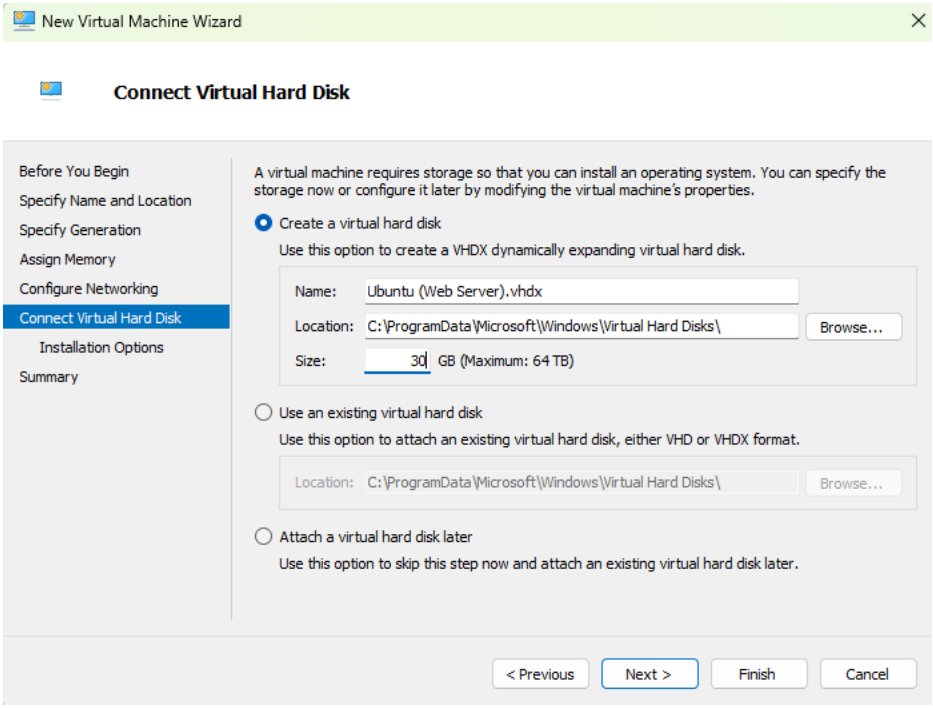
Assign Memory: Startup memory: 1536 MB (min) – 2048 MB (max) > Next



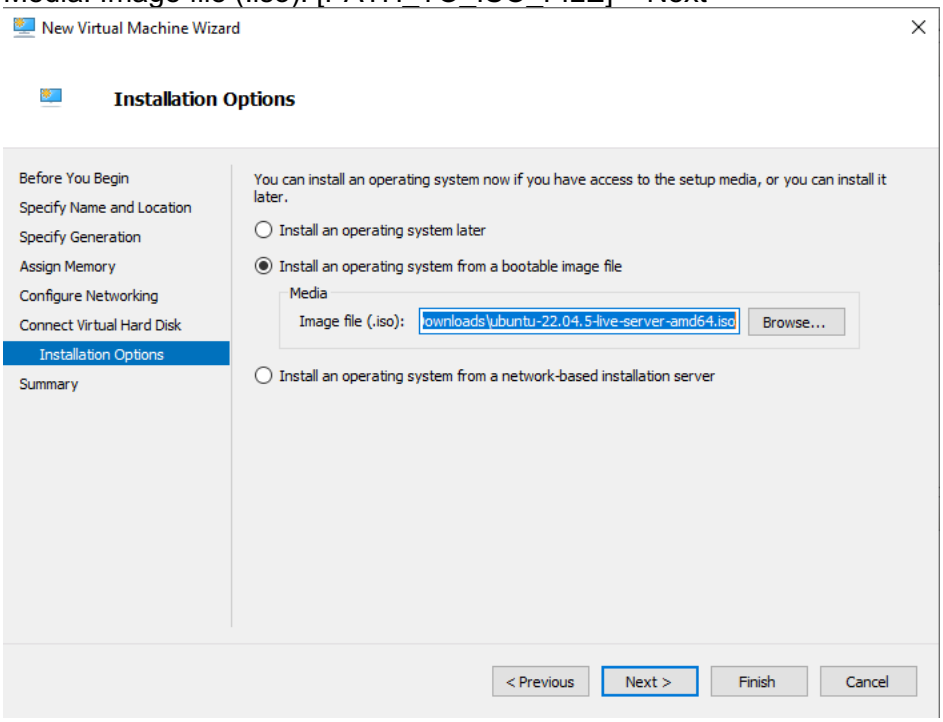
Configure Networking: Connection: "LabServicesSwitch" > Next



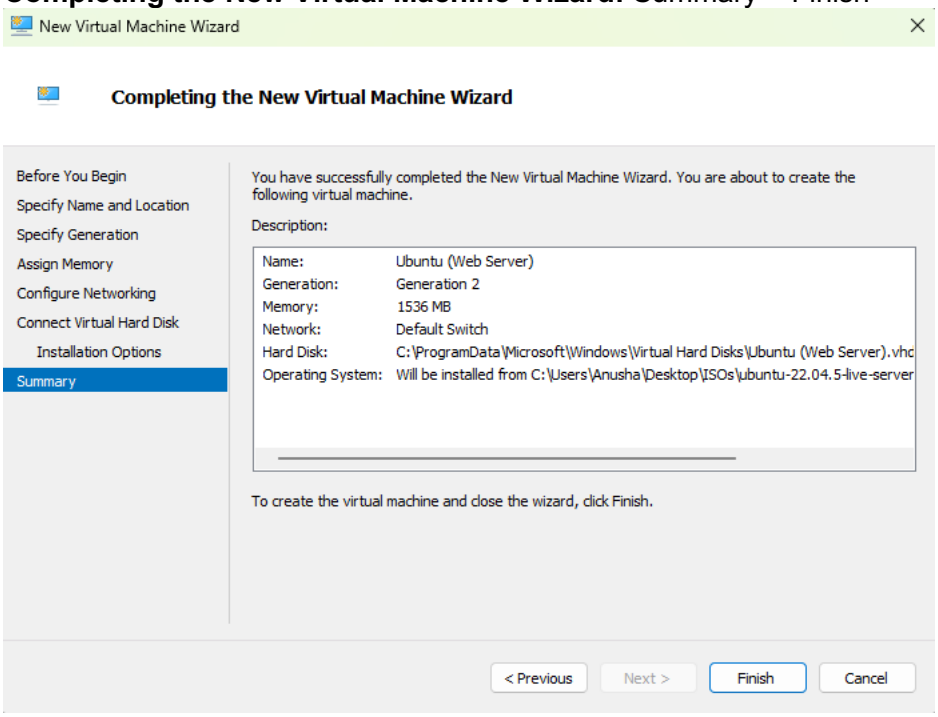
Connect Virtual Hard Disk:
Select “Create a virtual hard disk”:
Name: “Ubuntu (WebServer)”
…
Size: 30 GB > Next



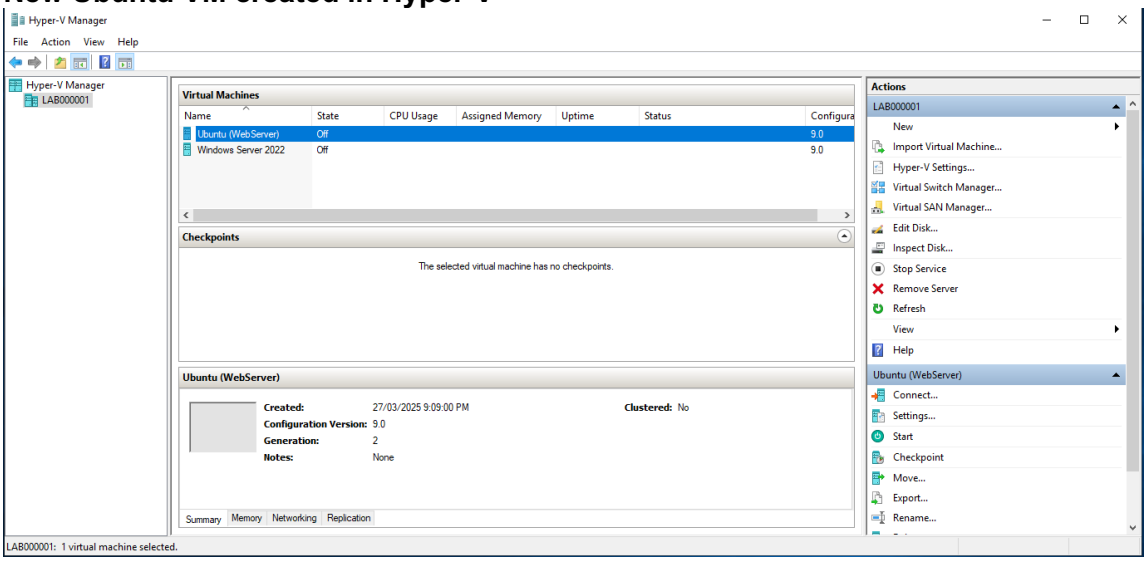
Installation Options:
Select “Install an operating system froma bootable image file”:
Media: Image file (.iso): [PATH_TO_ISO_FILE] > Next



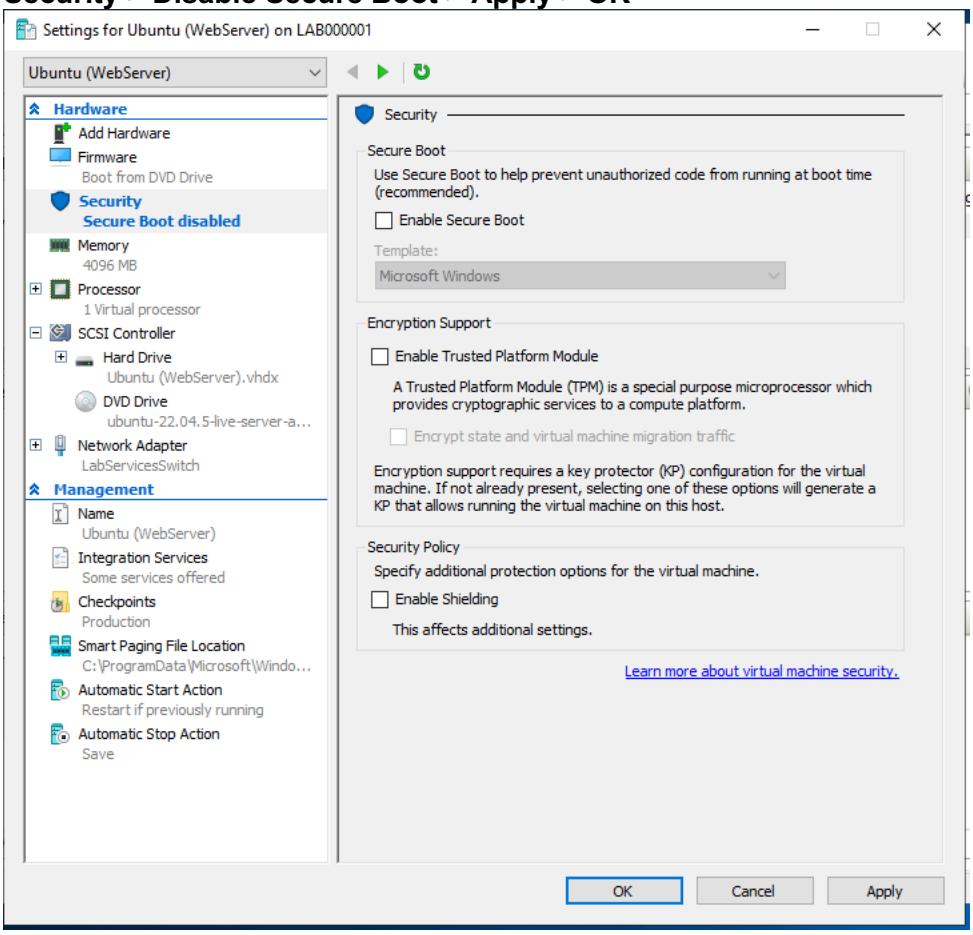
Completing the New Virtual Machine Wizard: Summary > Finish



New Ubuntu VM created in Hyper-V



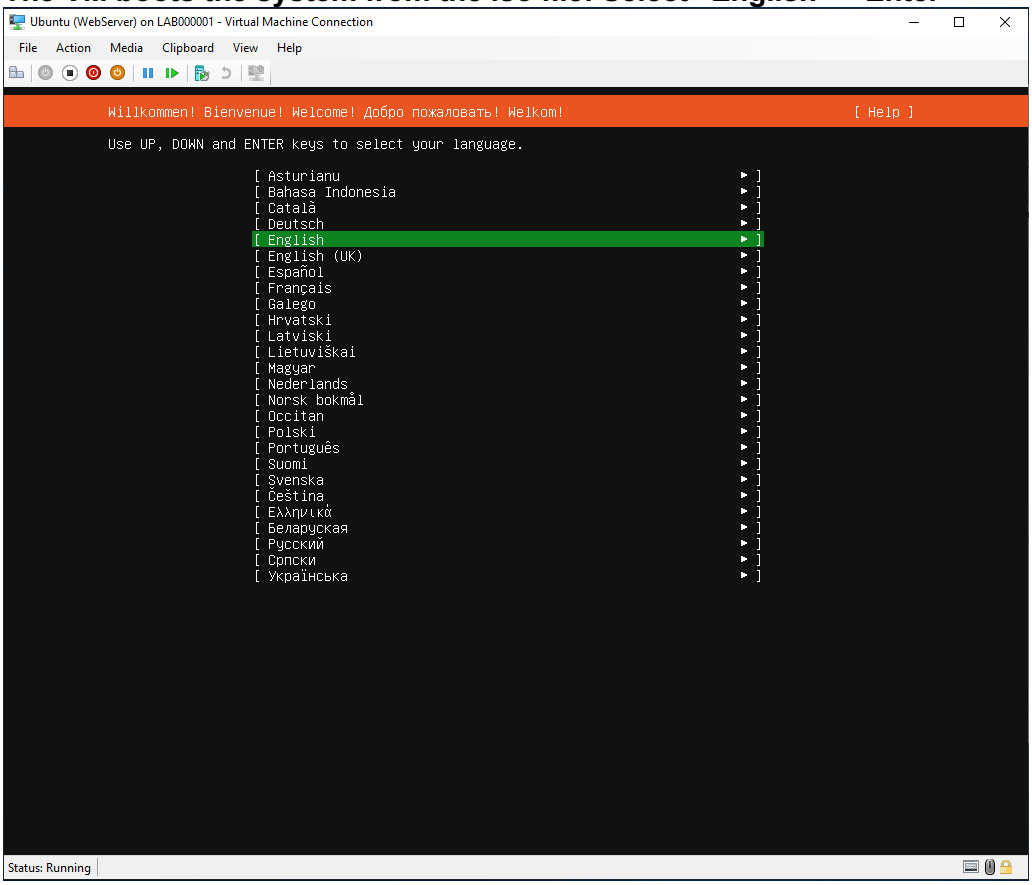
Right-click on **Ubuntu (Web Server) VM > Settings**:
Security > Disable Secure Boot > Apply > OK



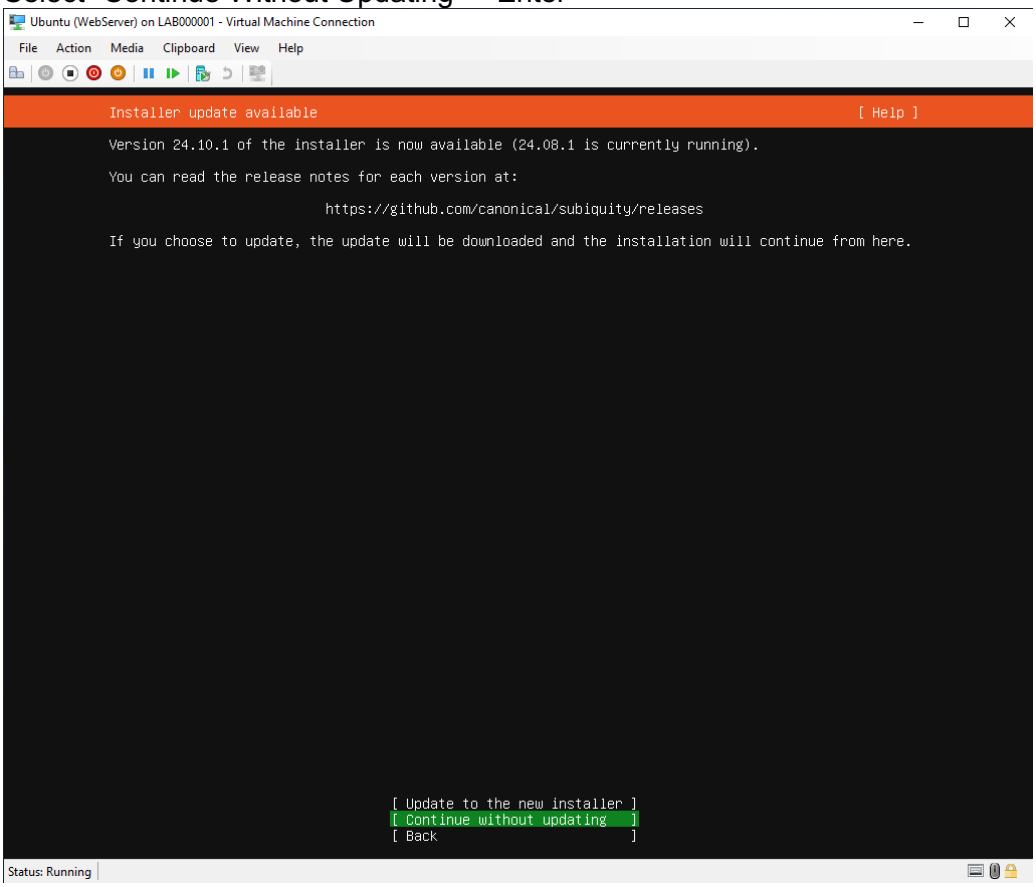
Install and Configure Ubuntu 22.04

Right-click on **Ubuntu (WebServer) > Connect**

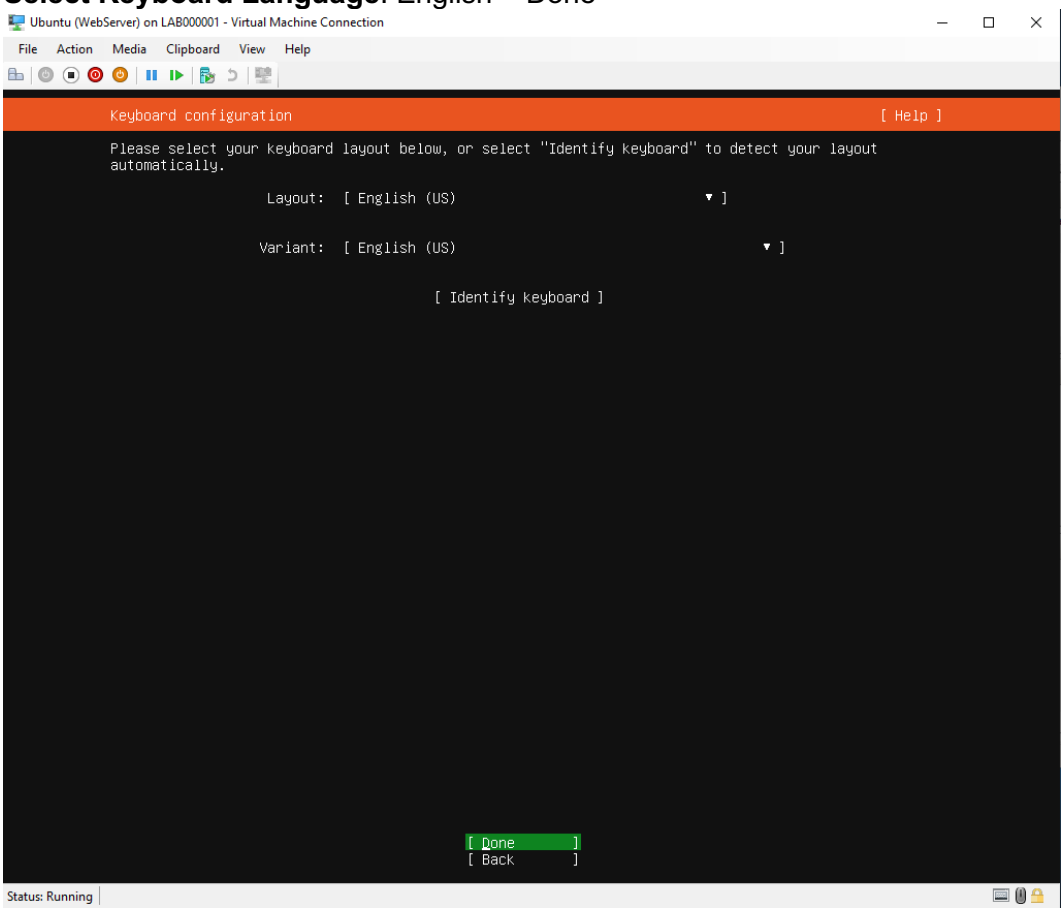
The VM boots the system from the iso file: Select “English” > Enter



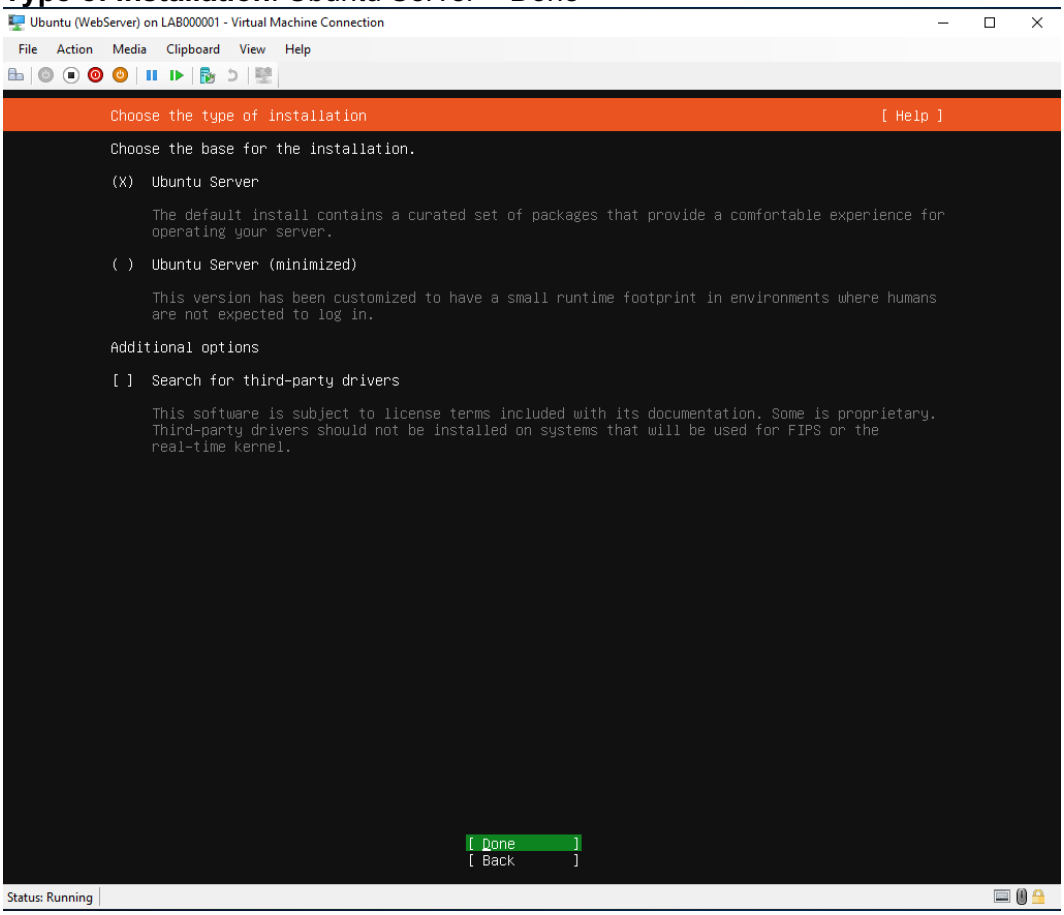
Select “Continue Without Updating” > Enter



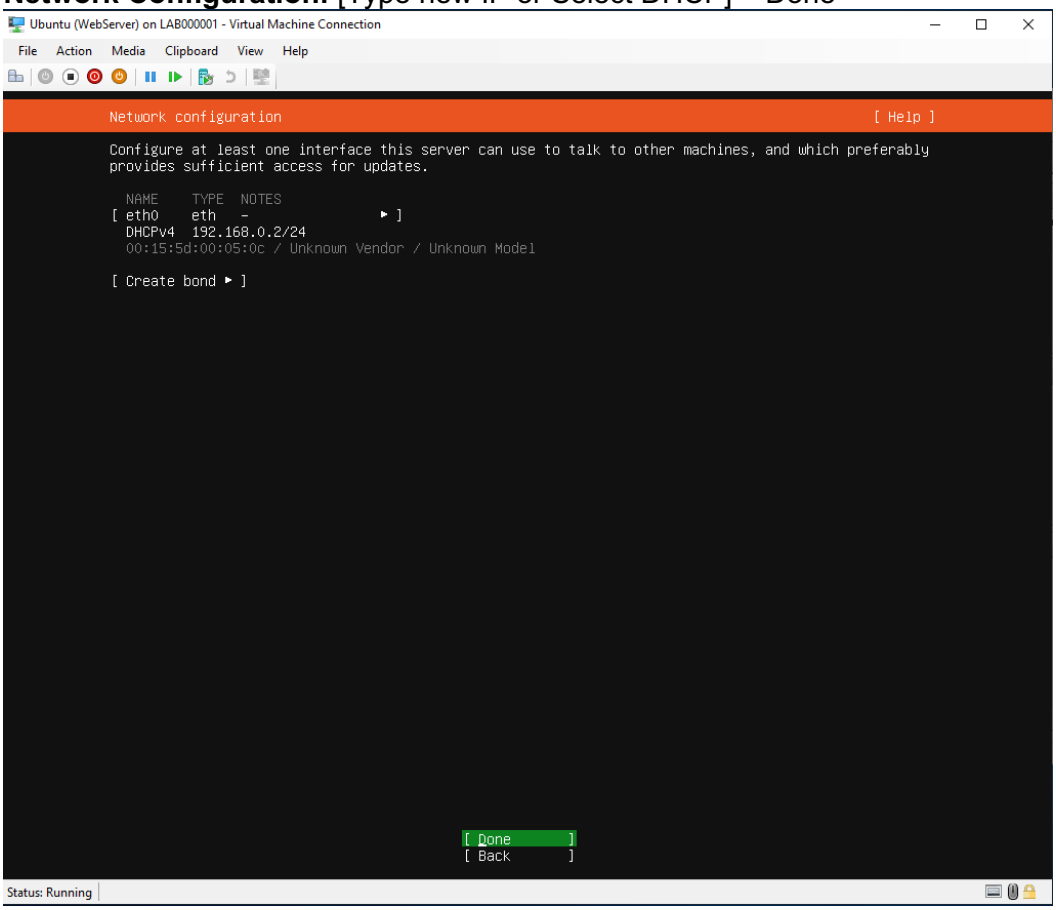
Select Keyboard Language: English > Done



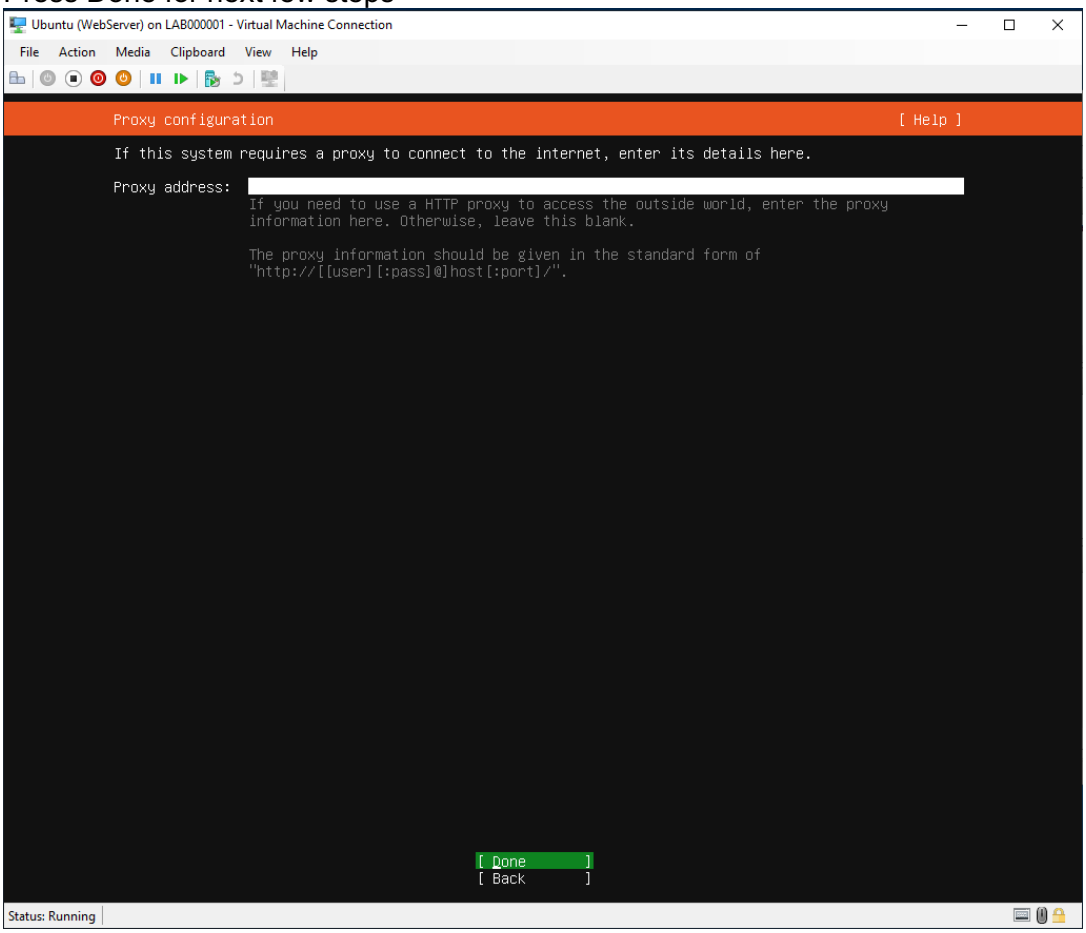
Type of Installation: Ubuntu Server > Done

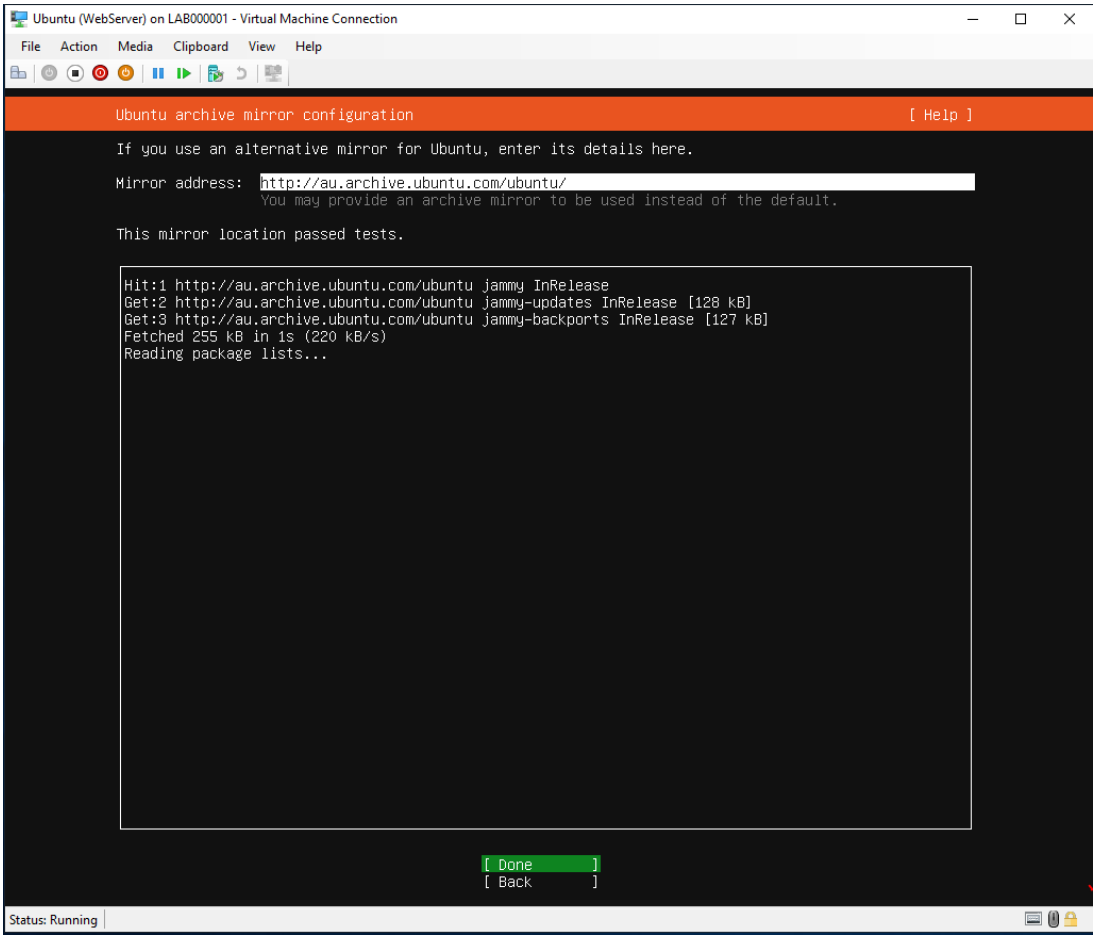


Network Configuration: [Type new IP or Select DHCP] > Done

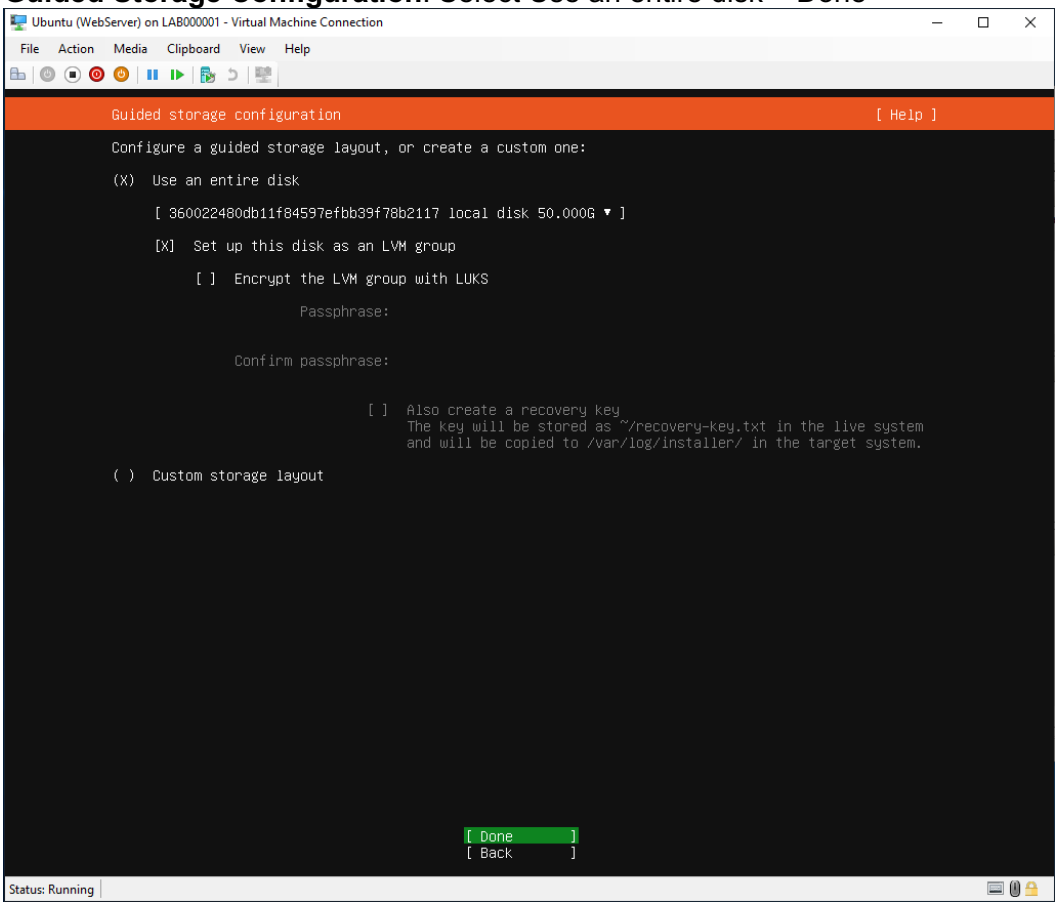


Press Done for next few steps

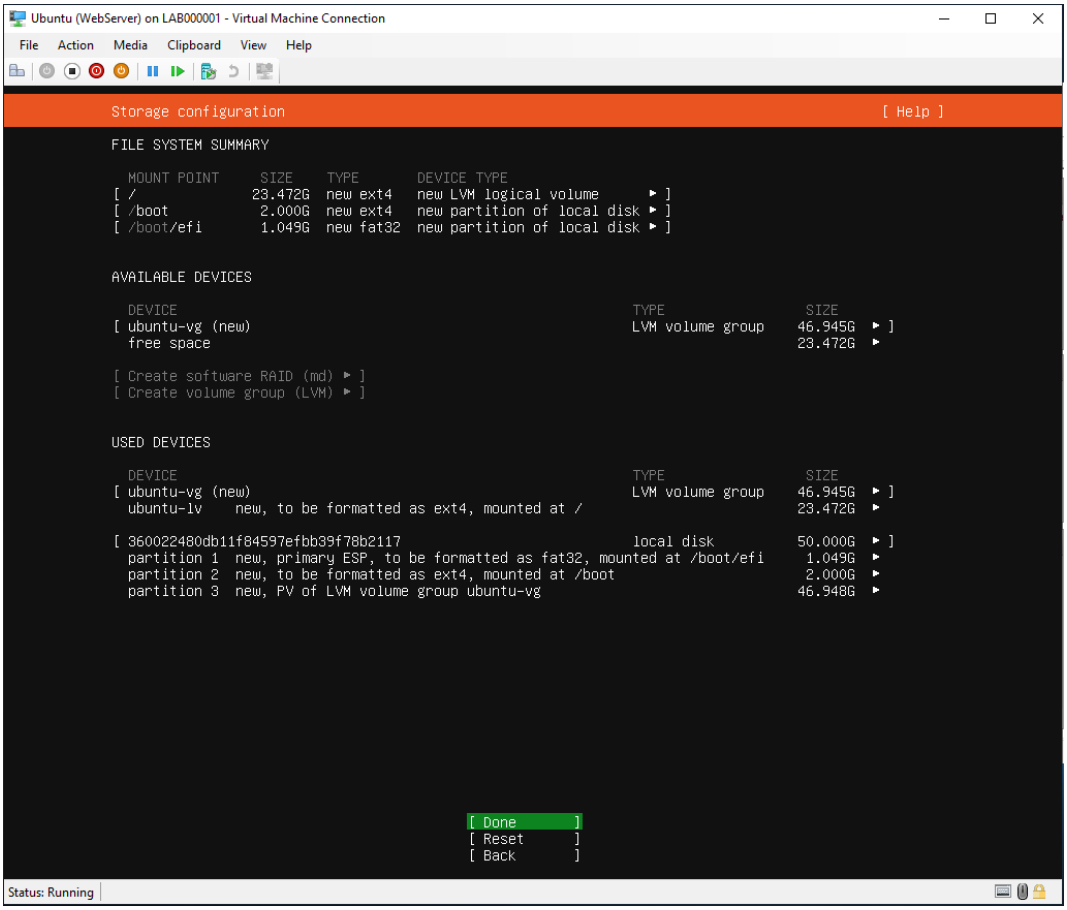


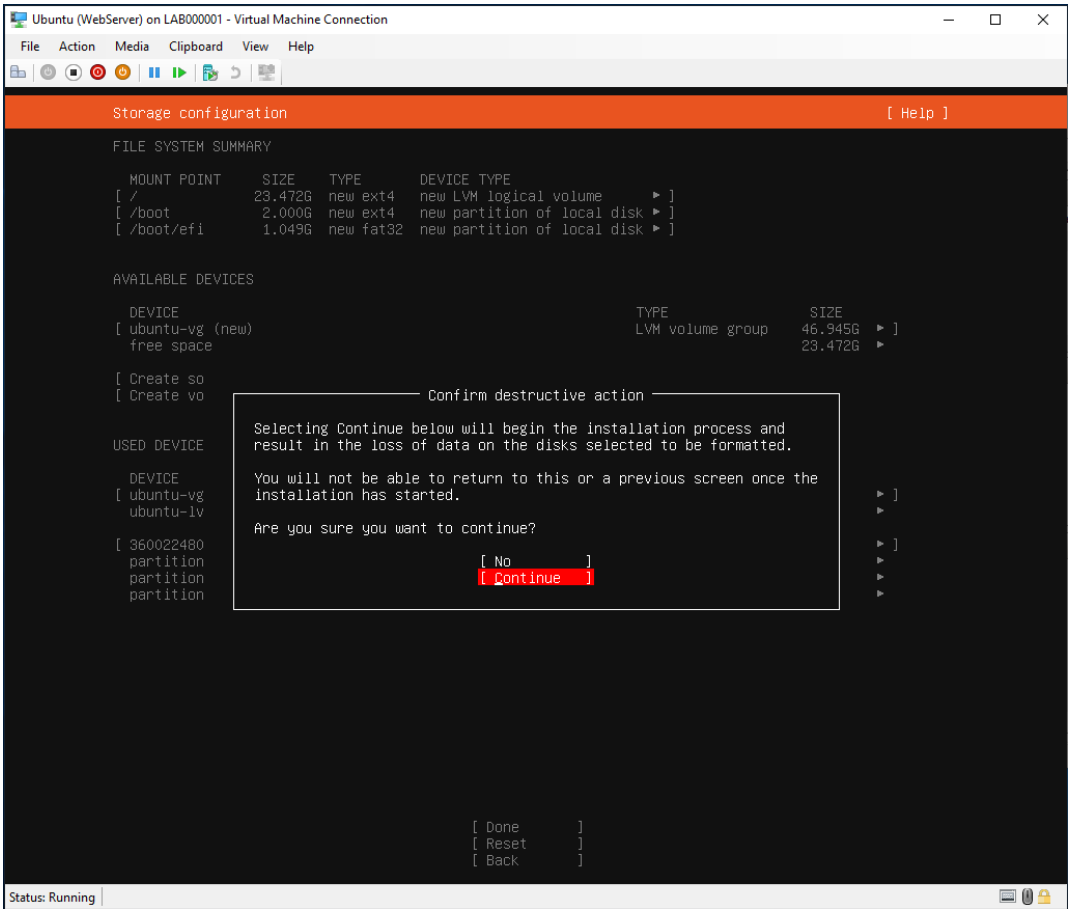


Guided Storage Configuration: Select Use an entire disk > Done

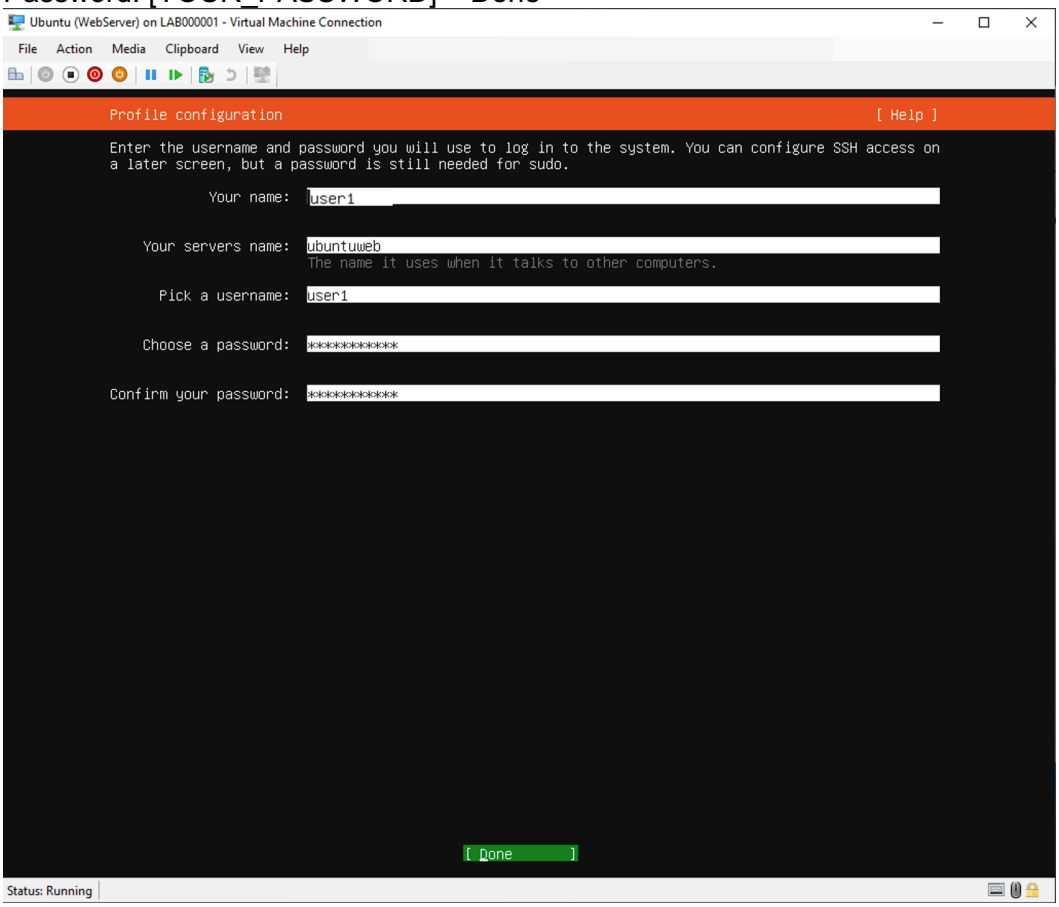


Storage Configuration: [choose vhd space that we first configured in hyper-v (50GB)] > Done > Continue

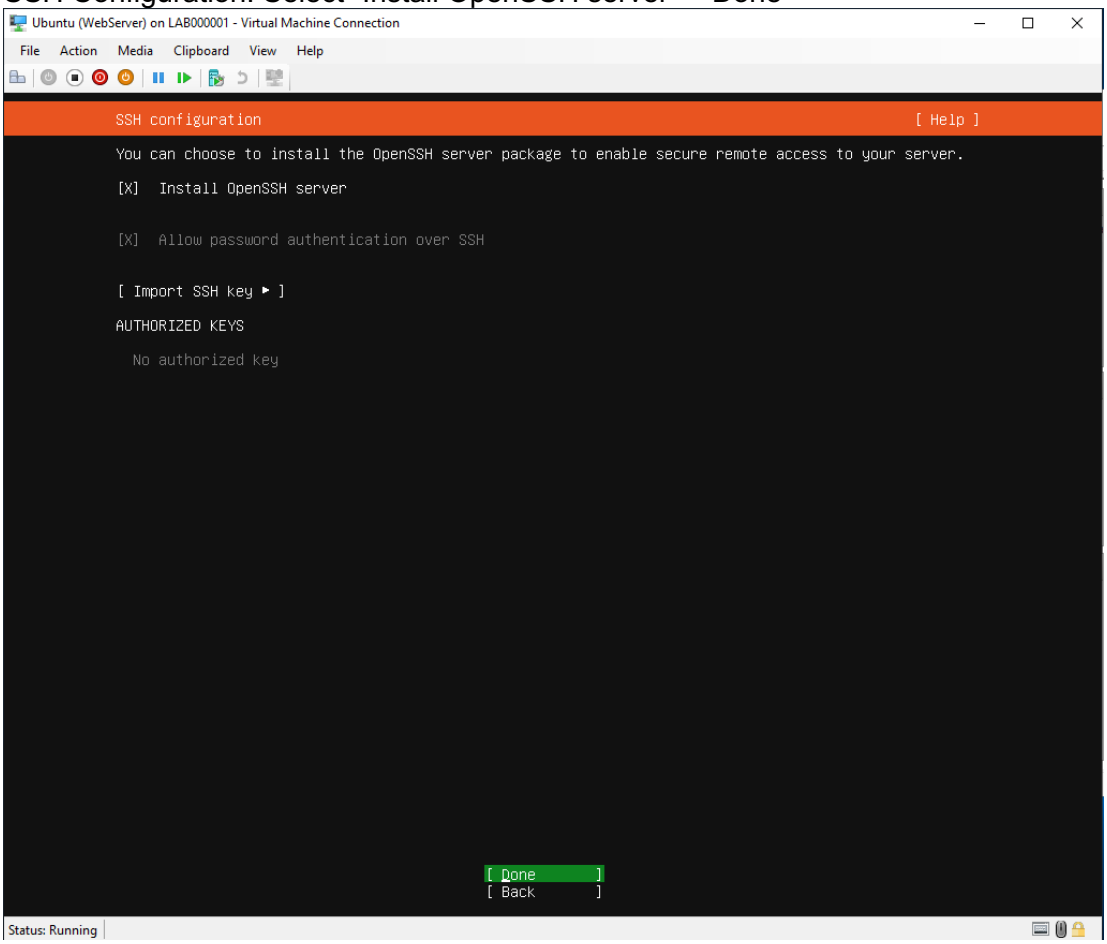


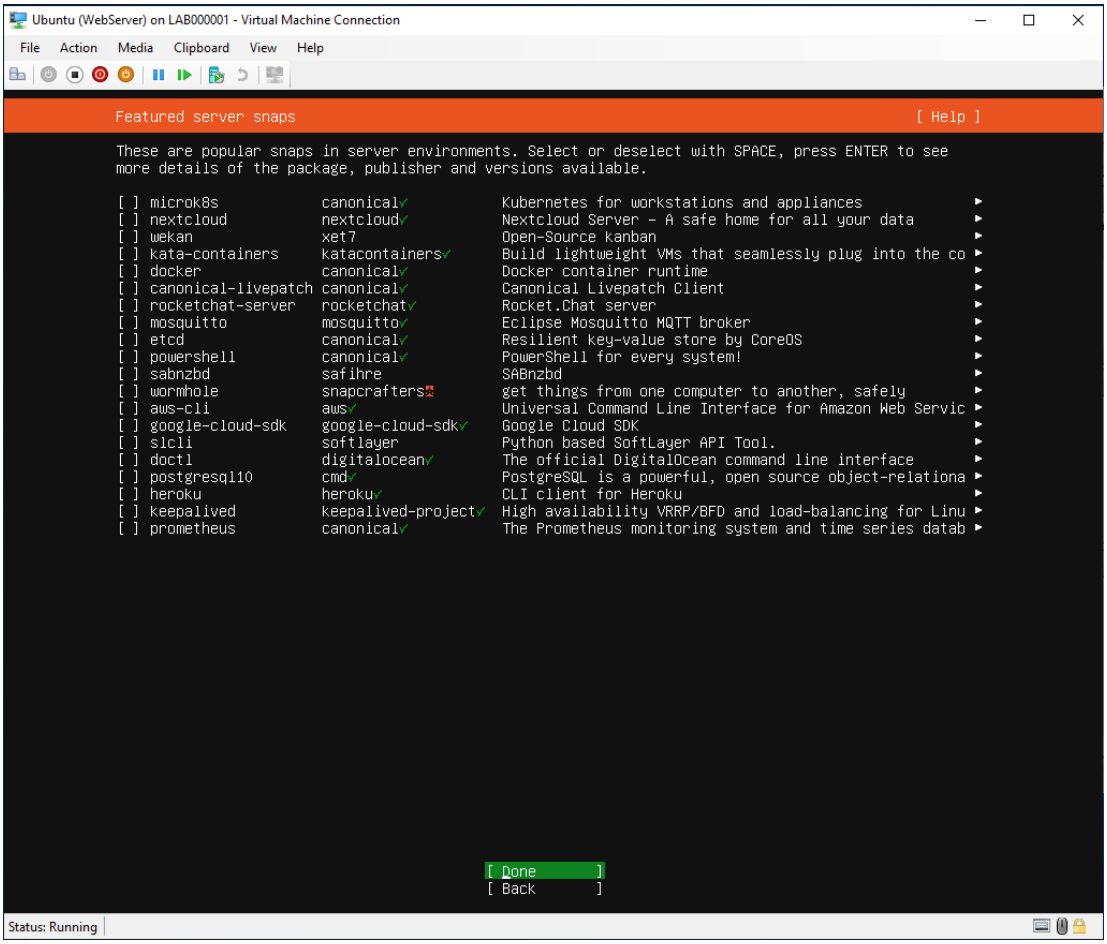


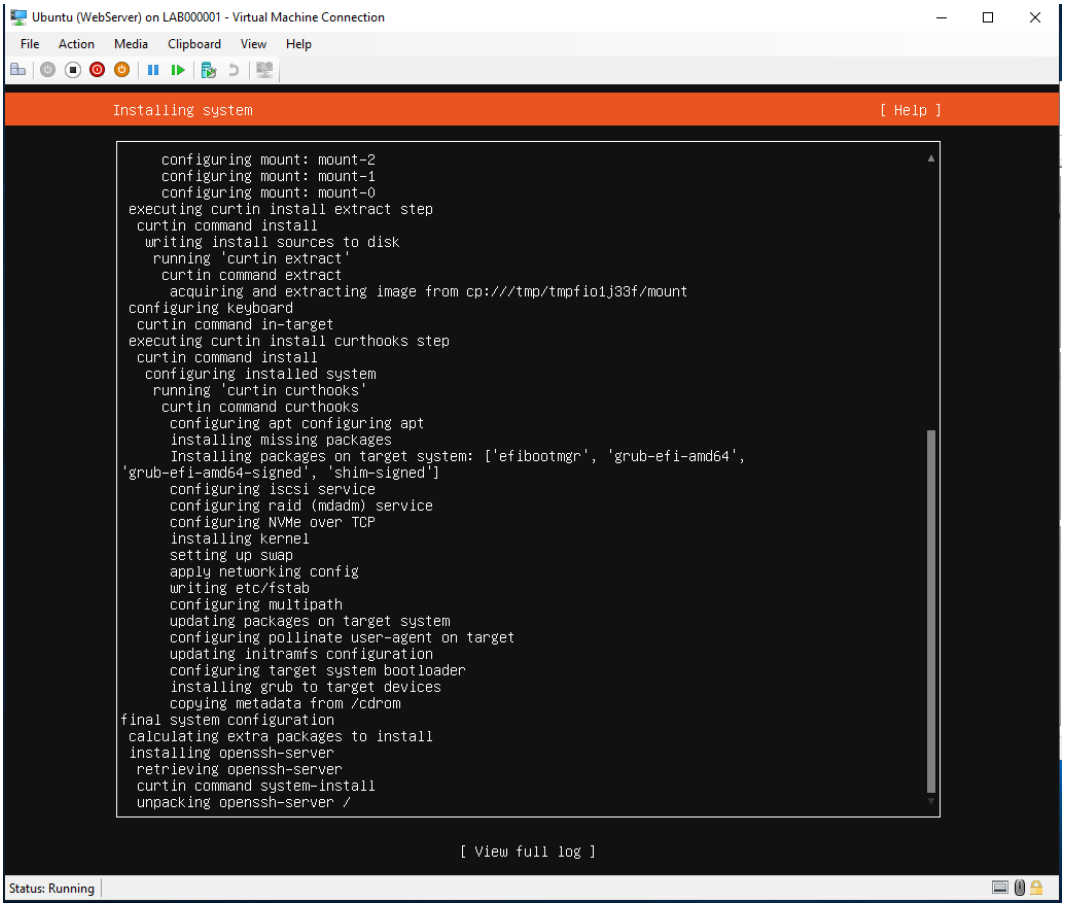
Profile Configuration:
Username: [YOUR_USERNAME]
Password: [YOUR_PASSWORD] > Done



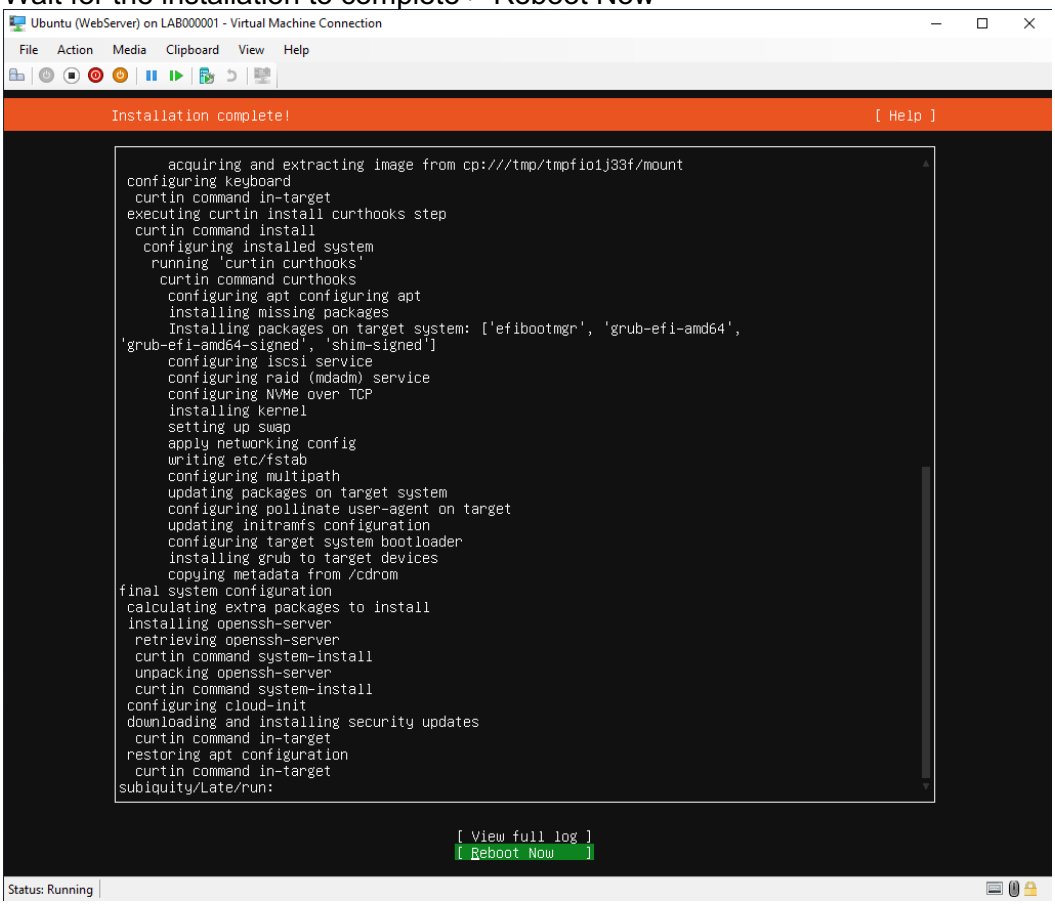
SSH Configuration: Select “Install OpenSSH server” > Done



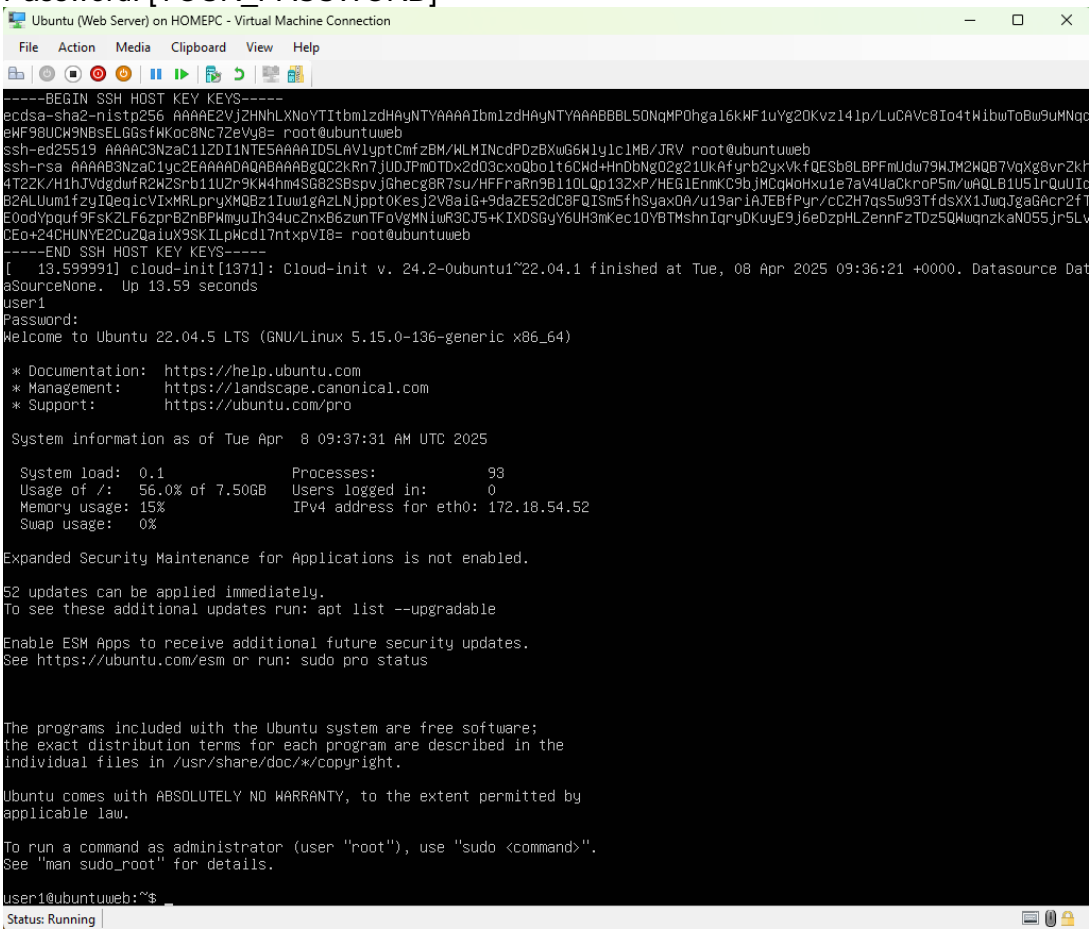




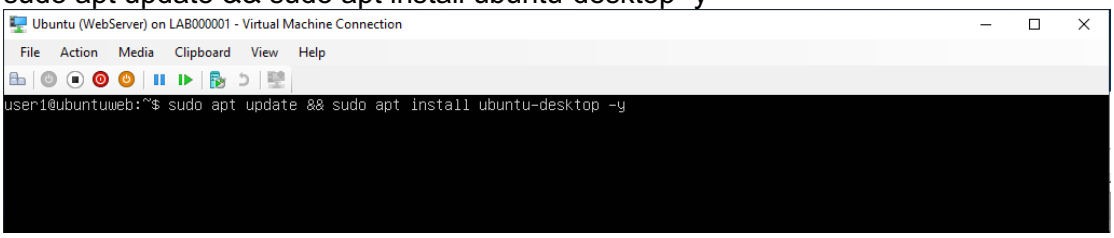
Wait for the installation to complete > Reboot Now

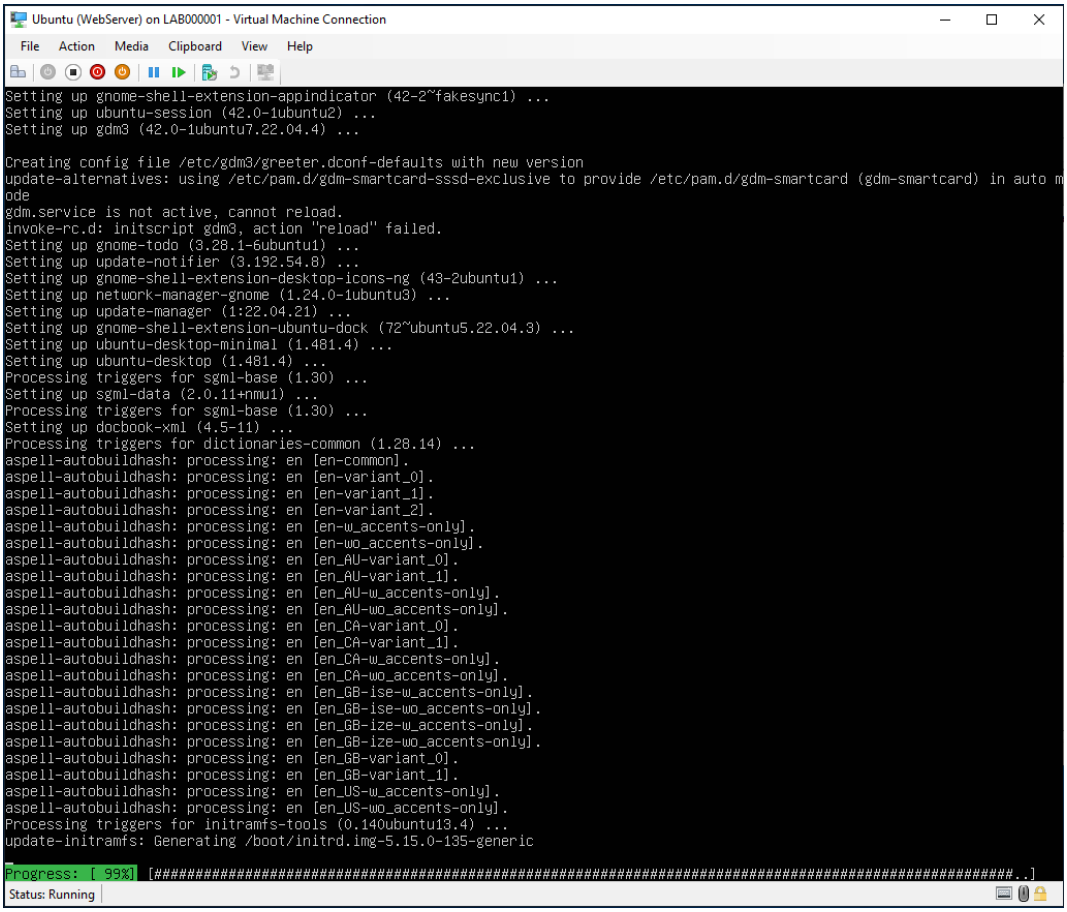


After Reboot,
ubuntuweb login: [YOUR_USERNAME]
Password: [YOUR_PASSWORD]

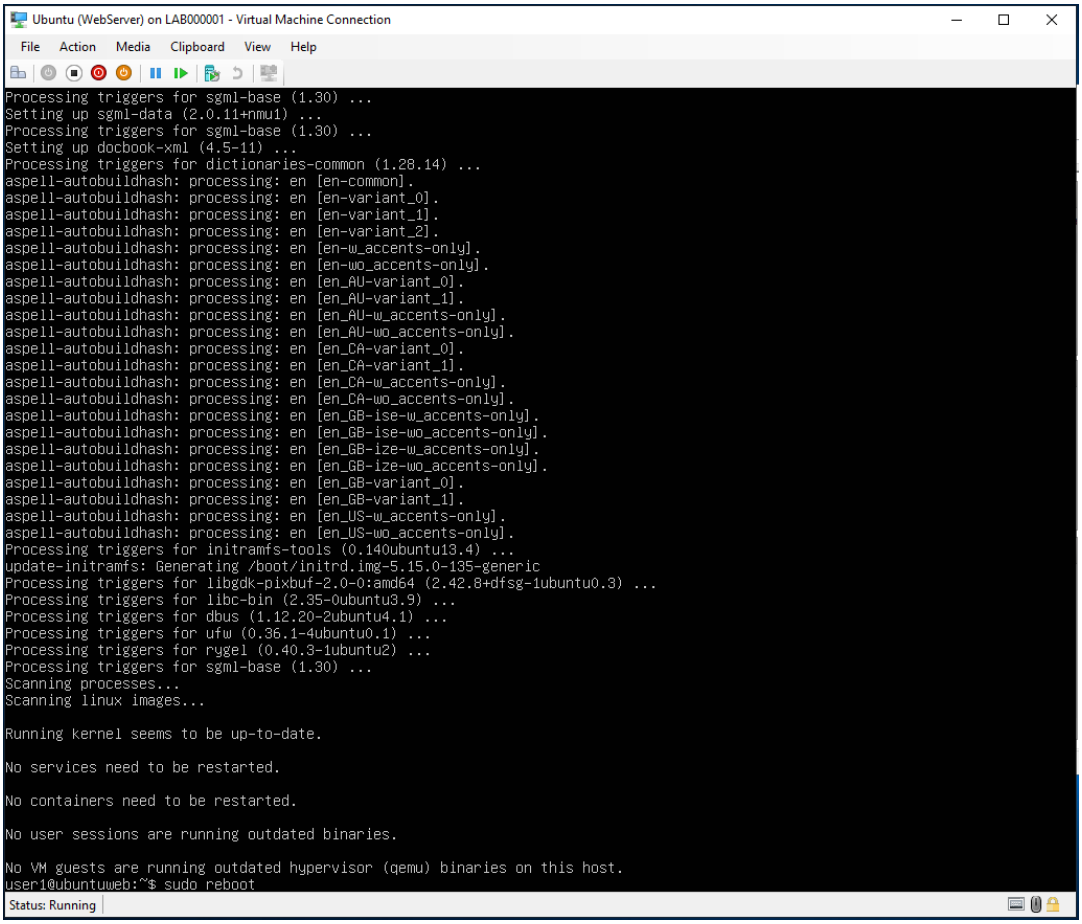


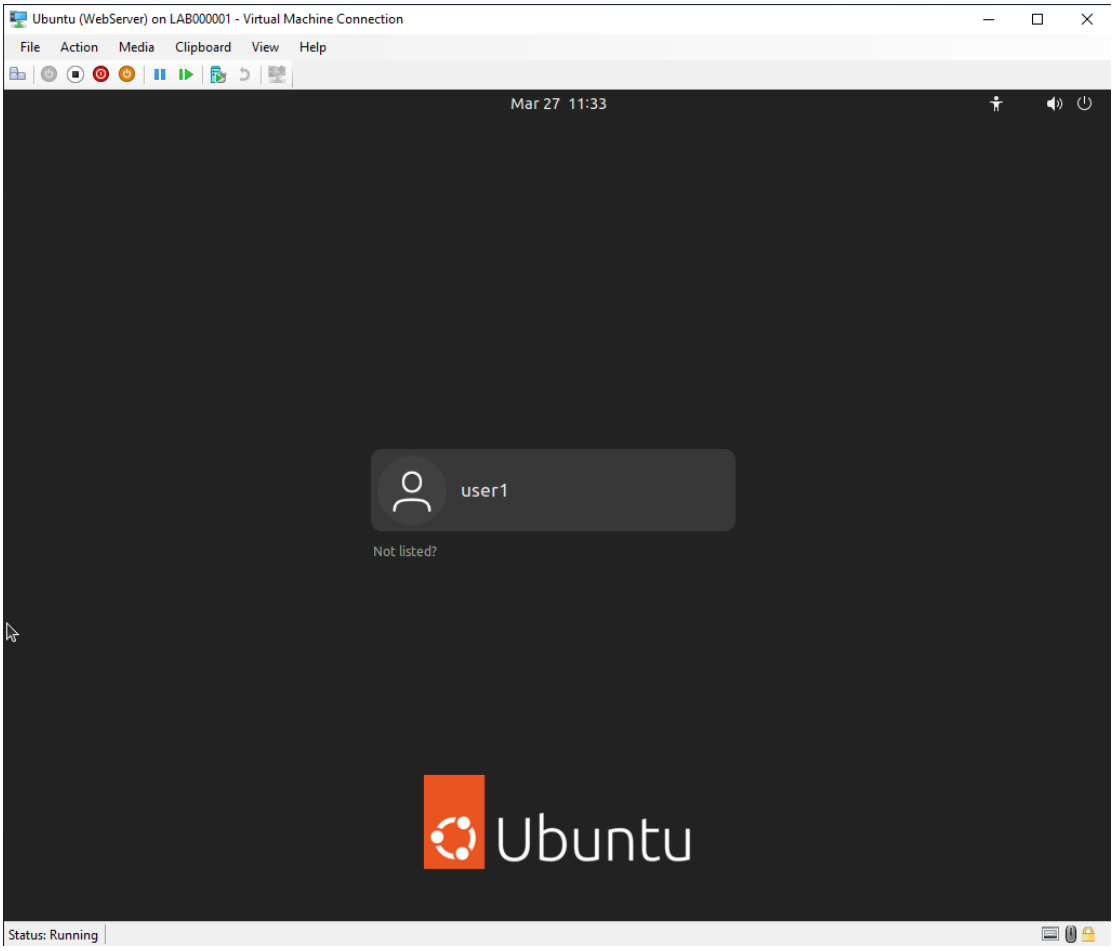
To install GUI,
sudo apt update && sudo apt install ubuntu-desktop -y

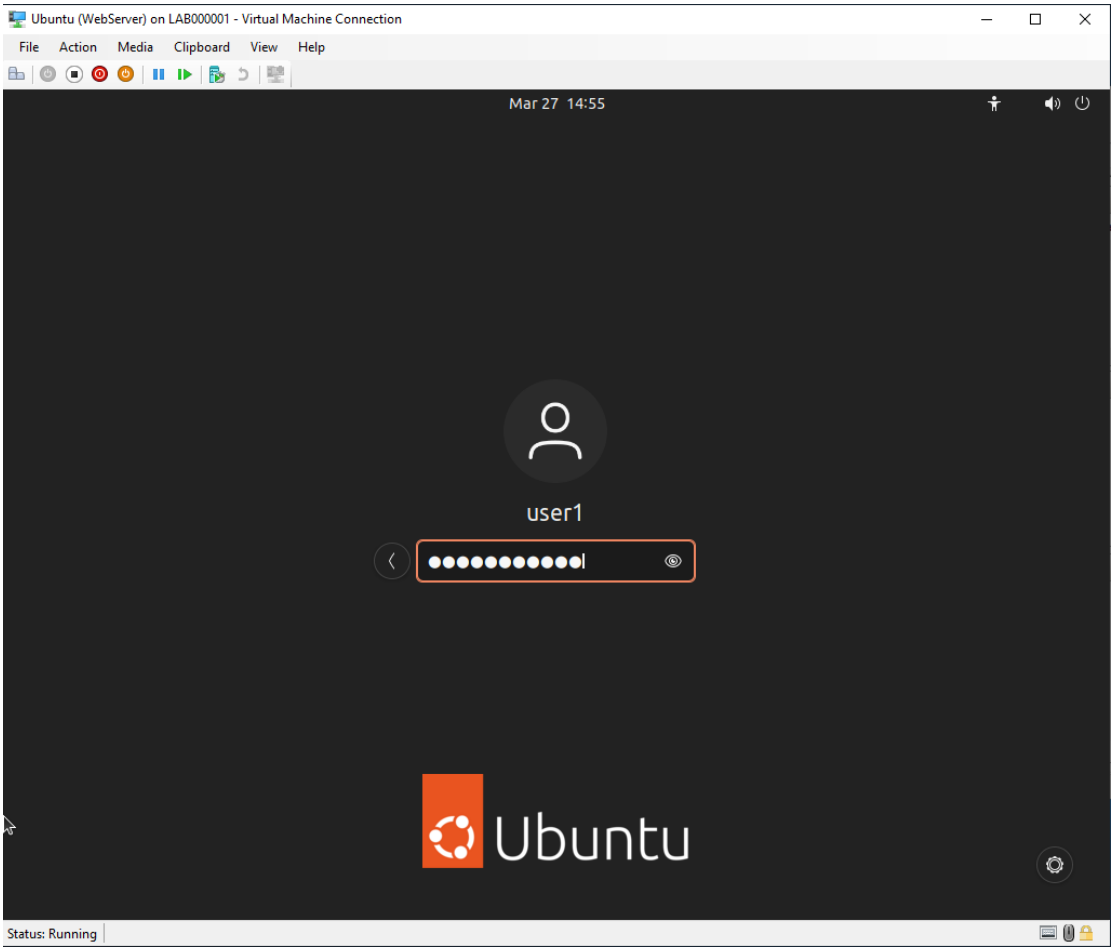


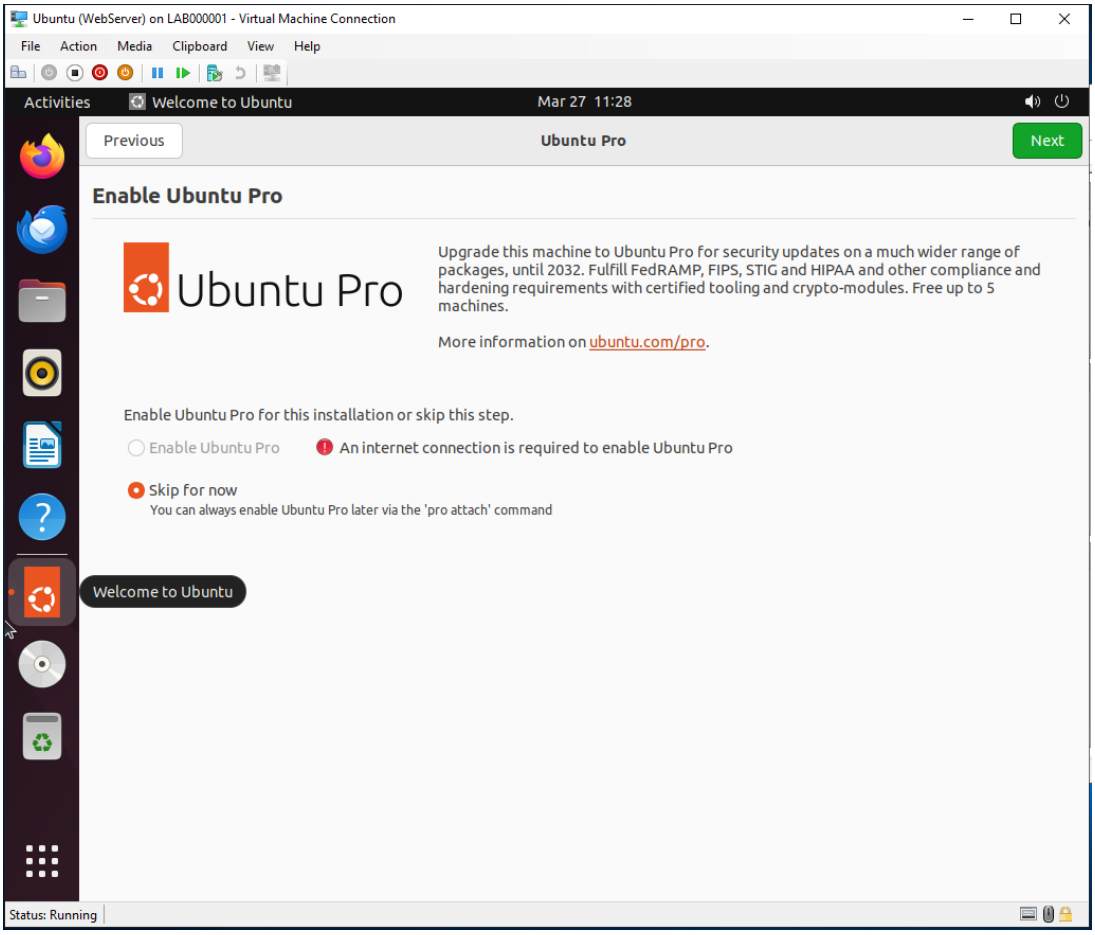


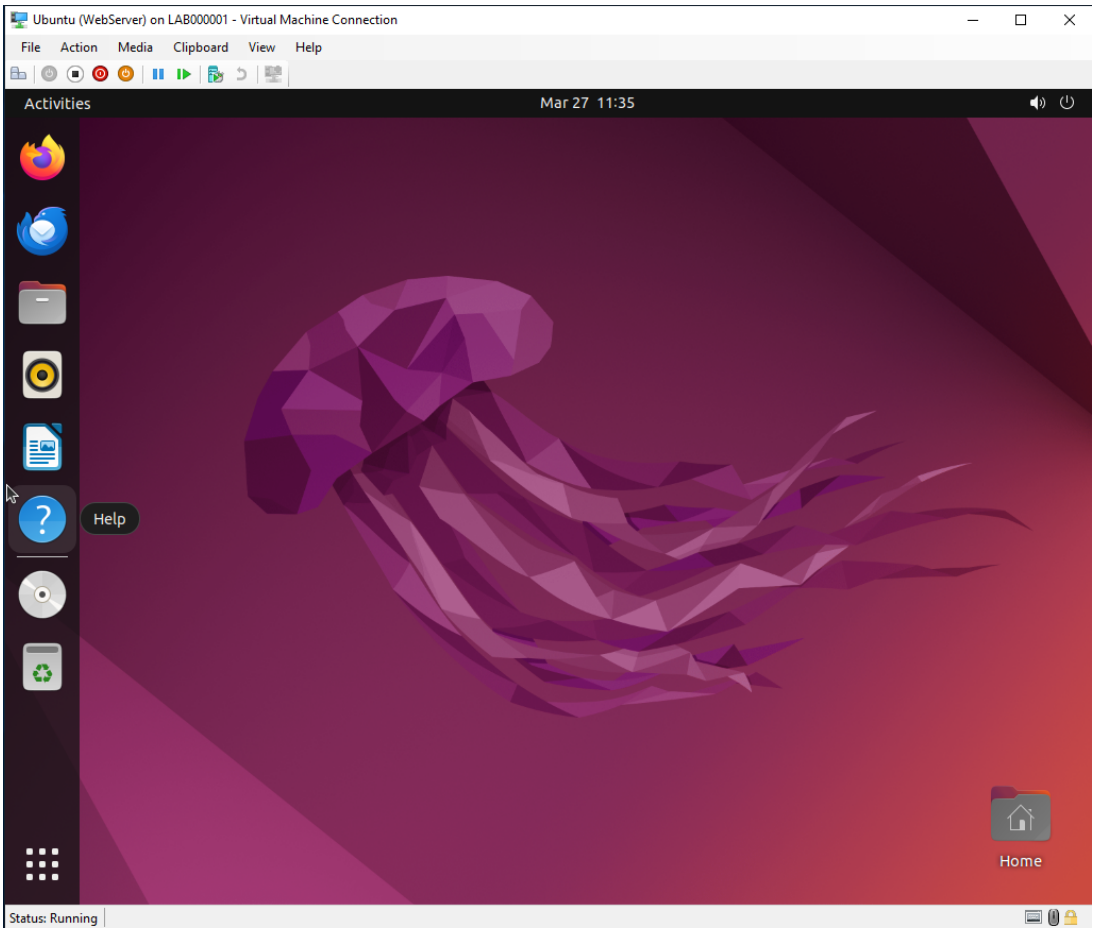
Reboot system:
sudo reboot



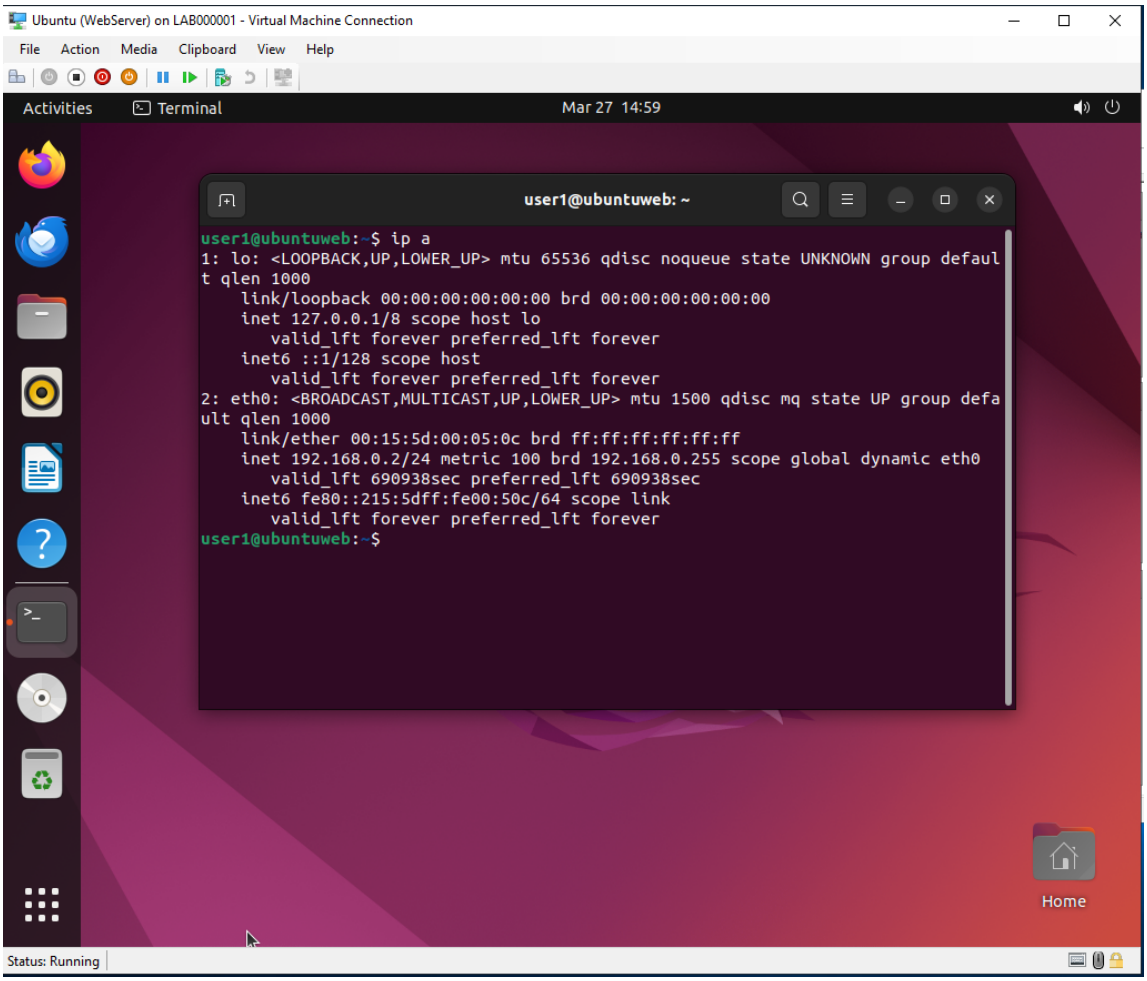

Ubuntu (WebServer) on LAB000001 - Virtual Machine Connection
File Action Media Clipboard View Help
Mar 27 11:33
user1
Not listed?
Ubuntu
Status: Running


Ubuntu (WebServer) on LAB000001 - Virtual Machine Connection
File Action Media Clipboard View Help
Mar 27 14:55
user1
Ubuntu
Status: Running

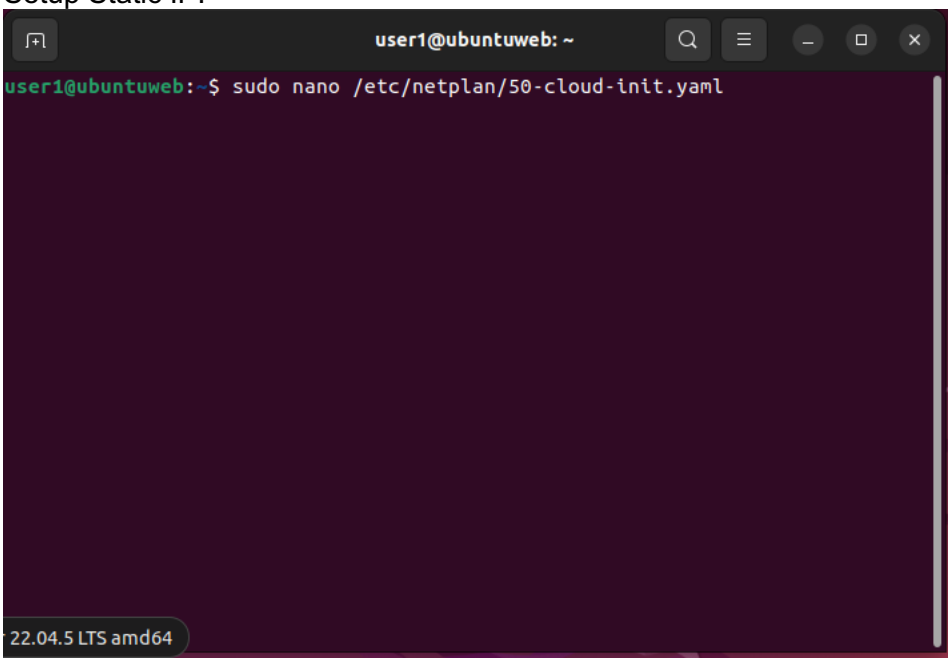

Ubuntu (WebServer) on LAB000001 - Virtual Machine Connection
File Action Media Clipboard View Help
Activities
Welcome to Ubuntu
Mar 27 11:28
Previous
Ubuntu Pro
Next
Enable Ubuntu Pro
Ubuntu Pro
Upgrade this machine to Ubuntu Pro for security updates on a much wider range of packages, until 2032. Fulfill FedRAMP, FIPS, STIG and HIPAA and other compliance and hardening requirements with certified tooling and crypto-modules. Free up to 5 machines.
More information on ubuntu.com/pro.
Enable Ubuntu Pro for this installation or skip this step.
Enable Ubuntu Pro
An internet connection is required to enable Ubuntu Pro
Skip for now
You can always enable Ubuntu Pro later via the 'pro attach' command
Welcome to Ubuntu
Status: Running

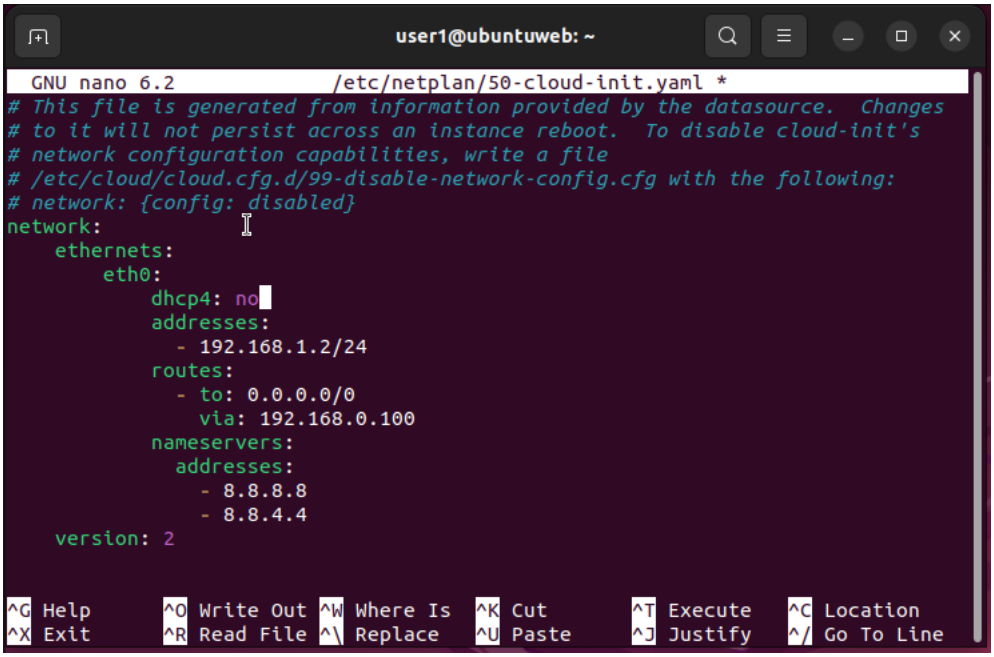

Ubuntu (WebServer) on LAB000001 - Virtual Machine Connection
File Action Media Clipboard View Help
Activities
Mar 27 11:35
Help
Home
Status: Running

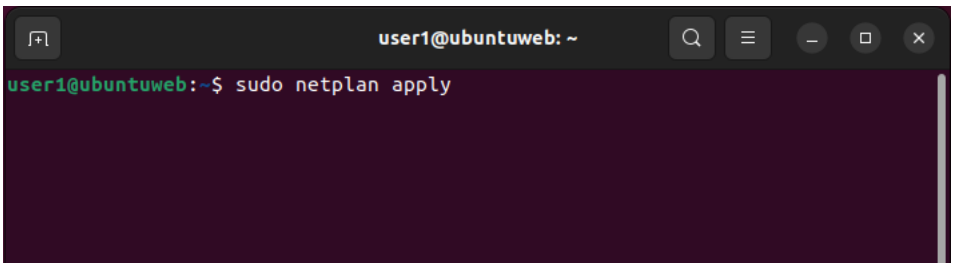
Setting up Static IP Address:
DHCP IP Address

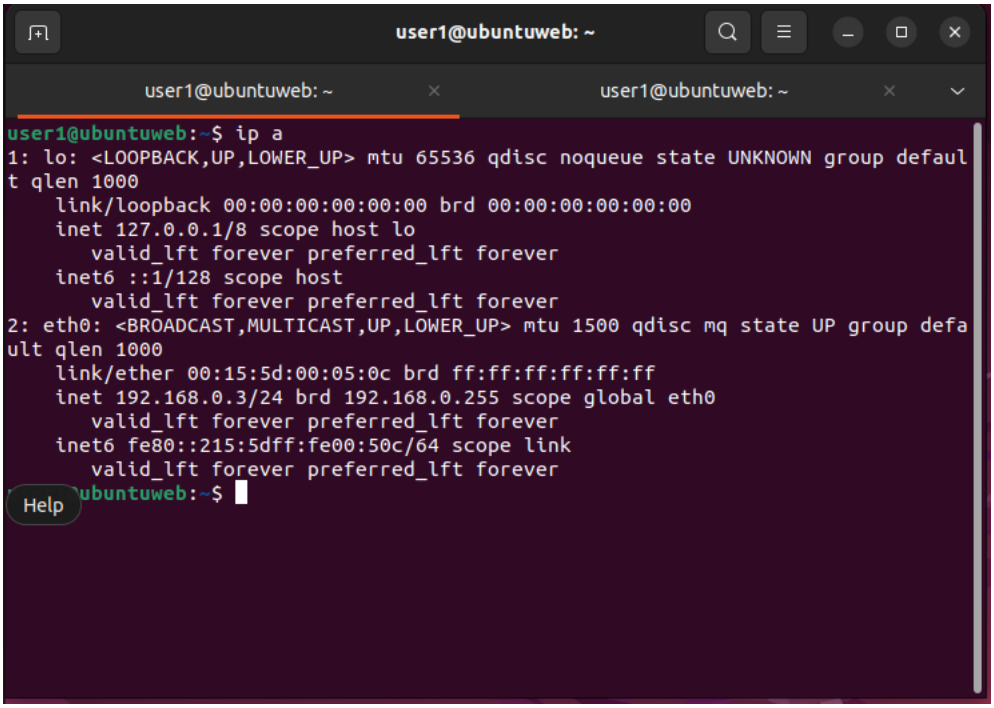


Setup Static IP:




user1@ubuntuweb: ~
GNU nano 6.2 /etc/netplan/50-cloud-init.yaml *
This file is generated from information provided by the datasource. Changes
to it will not persist across an instance reboot. To disable cloud-init's
network configuration capabilities, write a file
/etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
network: {config: disabled}
network:
ethernets:
eth0:
dhcp4: no
addresses:
- 192.168.1.2/24
routes:
- to: 0.0.0.0/0
via: 192.168.0.100
nameservers:
addresses:
- 8.8.8.8
- 8.8.4.4
version: 2
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line


user1@ubuntuweb: ~
user1@ubuntuweb:~$ sudo netplan apply


user1@ubuntuweb: ~
user1@ubuntuweb: ~
user1@ubuntuweb: ~
user1@ubuntuweb:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defaul
t qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group defa
ult qlen 1000
link/ether 00:15:5d:00:05:0c brd ff:ff:ff:ff:ff:ff
inet 192.168.0.3/24 brd 192.168.0.255 scope global eth0
valid_lft forever preferred_lft forever
inet6 fe80::215:5dff:fe00:50c/64 scope link
valid_lft forever preferred_lft forever
ubuntuweb:~$
Help

Test Connection:
Ping request to Win Server