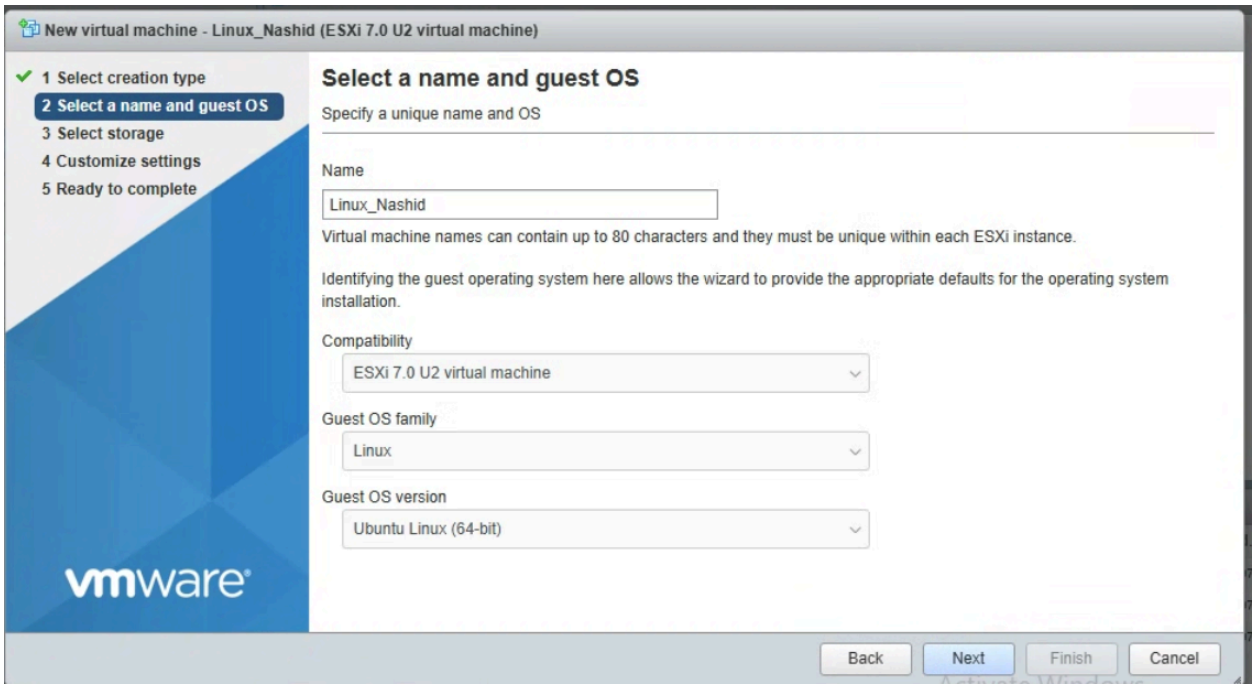
VMware ESXi Installation Linux

The process follows the standard **New Virtual Machine** wizard:

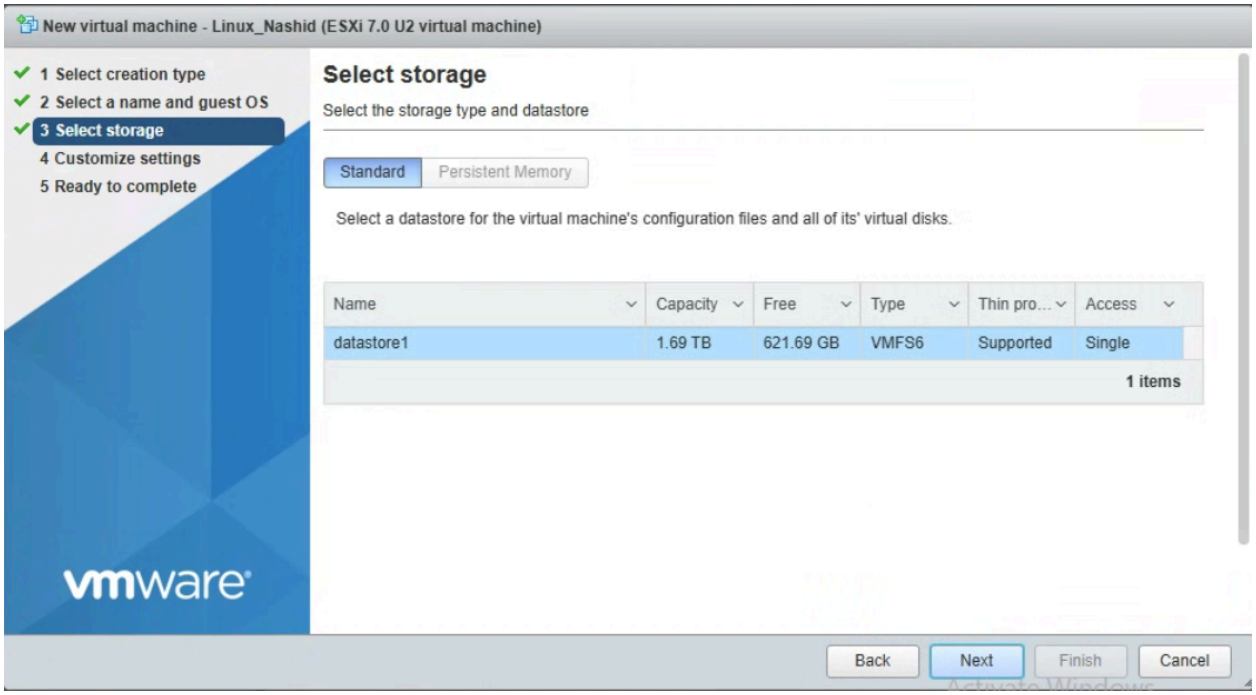
Selecting Name and Guest OS

- The virtual machine was named **Linux_Nashid**
- The **Compatibility** was set to **ESXI 7.0 U2 virtual machine**
- The **Guest OS family** was selected as **Linux**
- The **Guest OS version** was chosen as **Ubuntu Linux (64-bit)**



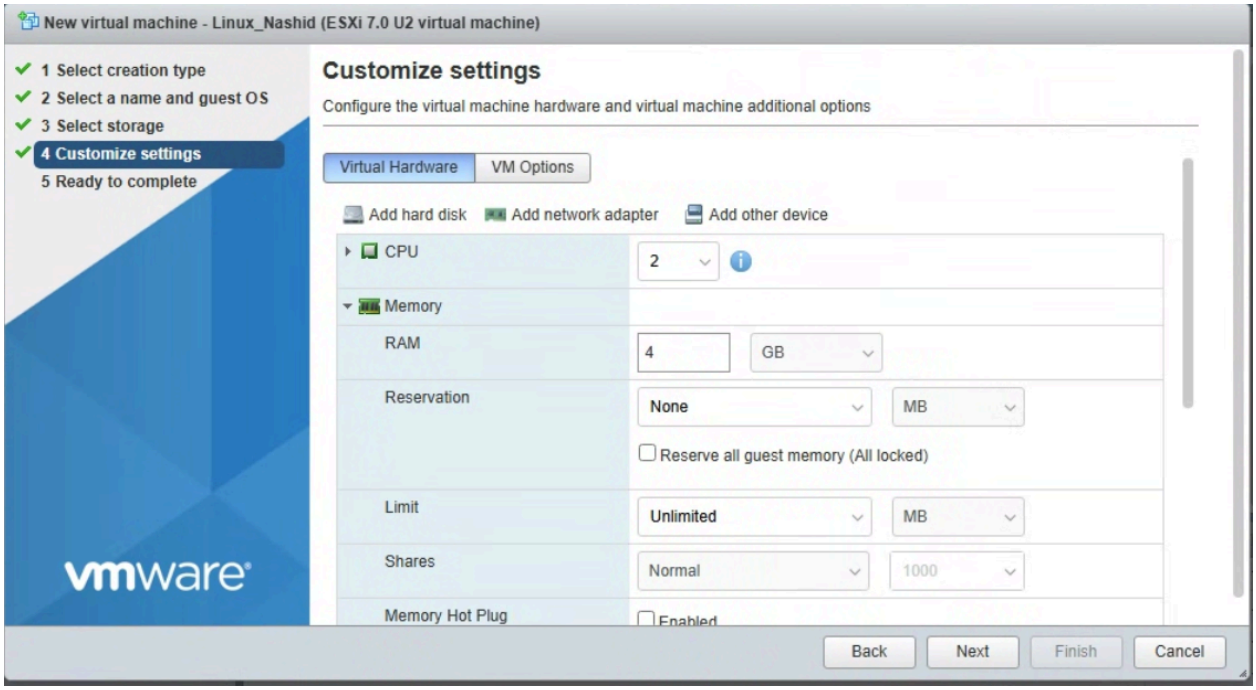
Selecting Storage :

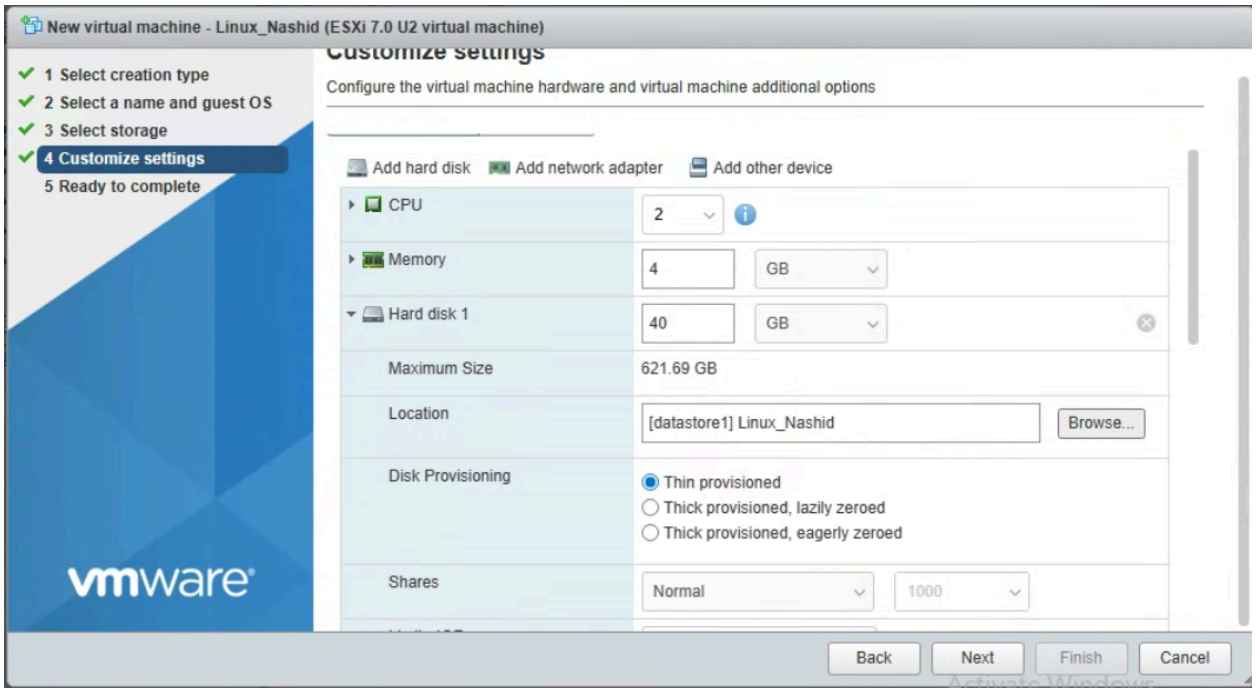
- The storage type was set to **Standard**.
- The datastore selected for the configuration files and virtual disks was **datastore1**



Customizing Settings - Virtual Hardware:

- The virtual machine was configured with **2 vCPUs**.
- **Memory (RAM)** was set to **4 GB**.
- **Hard disk 1** size was set to **40 GB**.
- The **Disk Provisioning** method chosen was **Thin provisioned**.
- The disk location was set to `[datastore1] Linux_Nashid`.


New virtual machine - Linux_Nashid (ESXi 7.0 U2 virtual machine)
1 Select creation type
2 Select a name and guest OS
3 Select storage
4 Customize settings
5 Ready to complete
vmware
Customize settings
Configure the virtual machine hardware and virtual machine additional options
Virtual Hardware
VM Options
Add hard disk
Add network adapter
Add other device
CPU
2
Memory
RAM
4
GB
Reservation
None
MB
Reserve all guest memory (All locked)
Limit
Unlimited
MB
Shares
Normal
1000
Memory Hot Plug
Enabled
Back
Next
Finish
Cancel

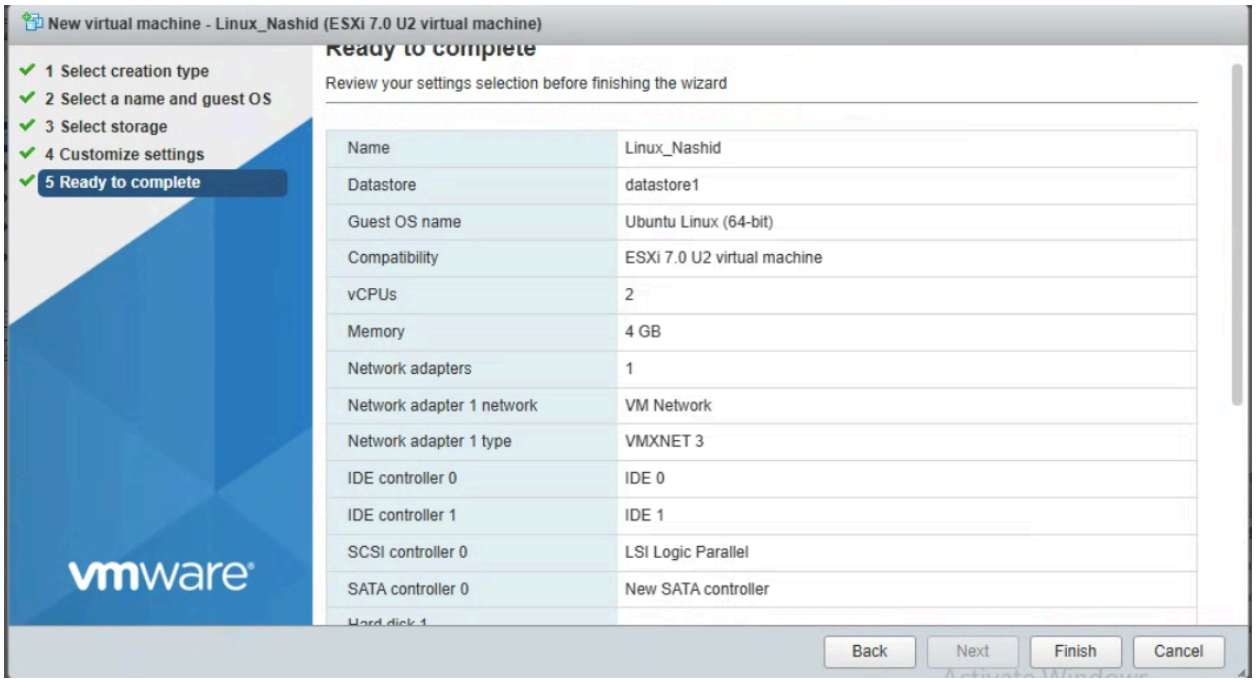

New virtual machine - Linux_Nashid (ESXi 7.0 U2 virtual machine)
1 Select creation type
2 Select a name and guest OS
3 Select storage
4 Customize settings
5 Ready to complete
vmware
Configure the virtual machine hardware and virtual machine additional options
Add hard disk
Add network adapter
Add other device
CPU
2
Memory
4
GB
Hard disk 1
40
GB
Maximum Size
621.69 GB
Location
[datastore1] Linux_Nashid
Browse...
Disk Provisioning
Thin provisioned
Thick provisioned, lazily zeroed
Thick provisioned, eagerly zeroed
Shares
Normal
1000
Back
Next
Finish
Cancel

The settings were reviewed before finishing the wizard, confirming the configuration:

Name: `Linux_Nashid`,

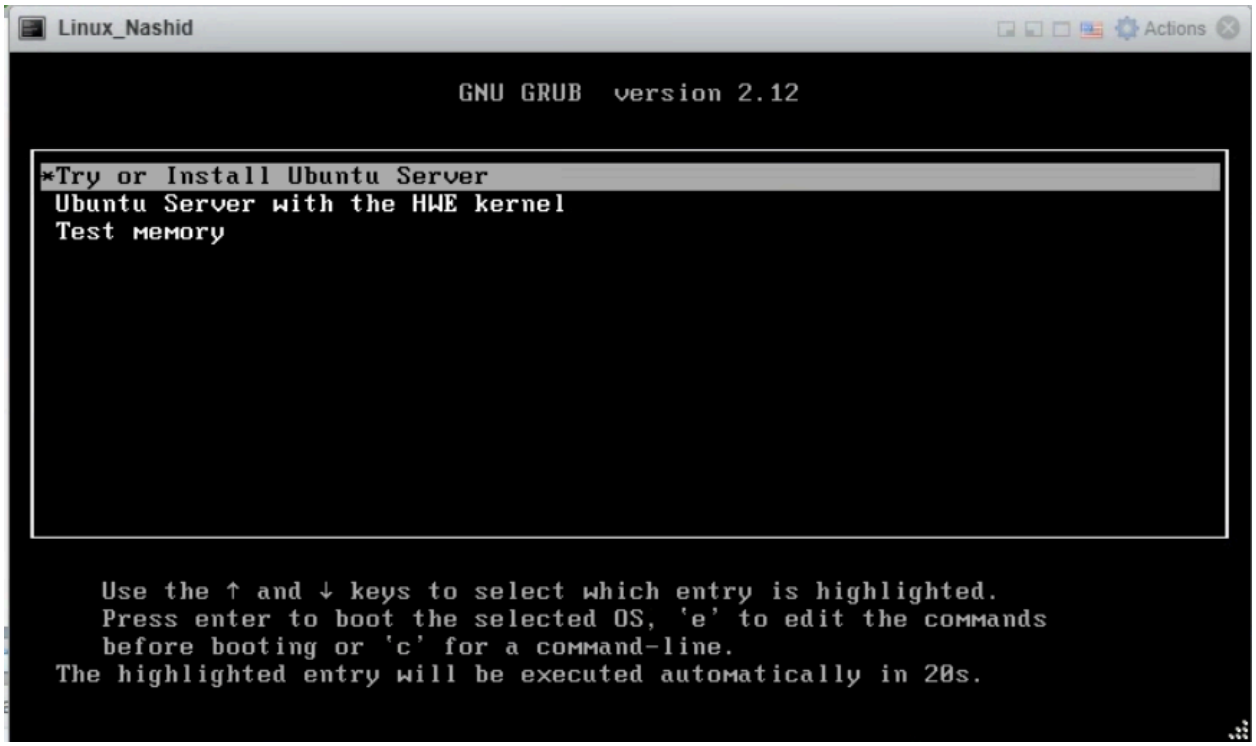
Guest OS: `Ubuntu Linux (64-bit)`, vCPUs: `2`, Memory: `4 GB`, Network adapters: `1` using `VM Network` and type `VMXNET 3`.

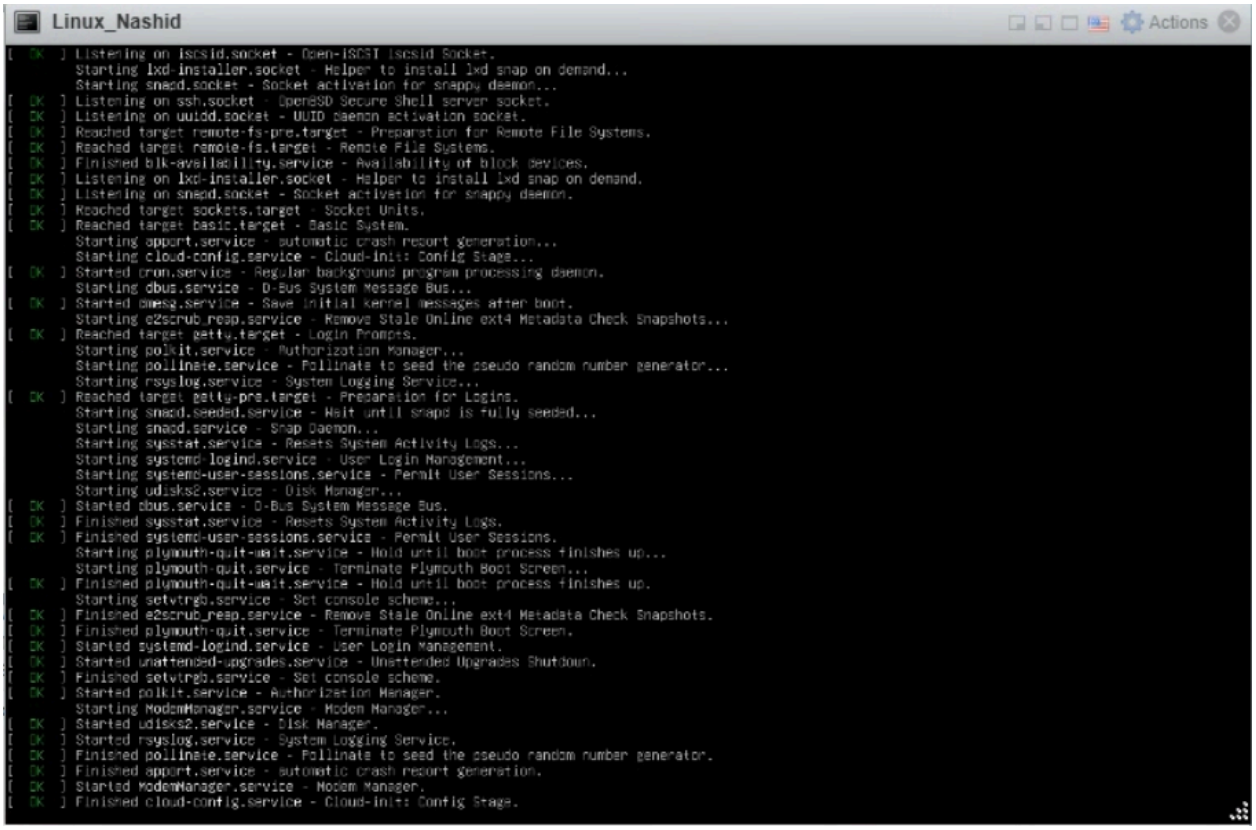
The process was finished, likely initiating the virtual machine creation

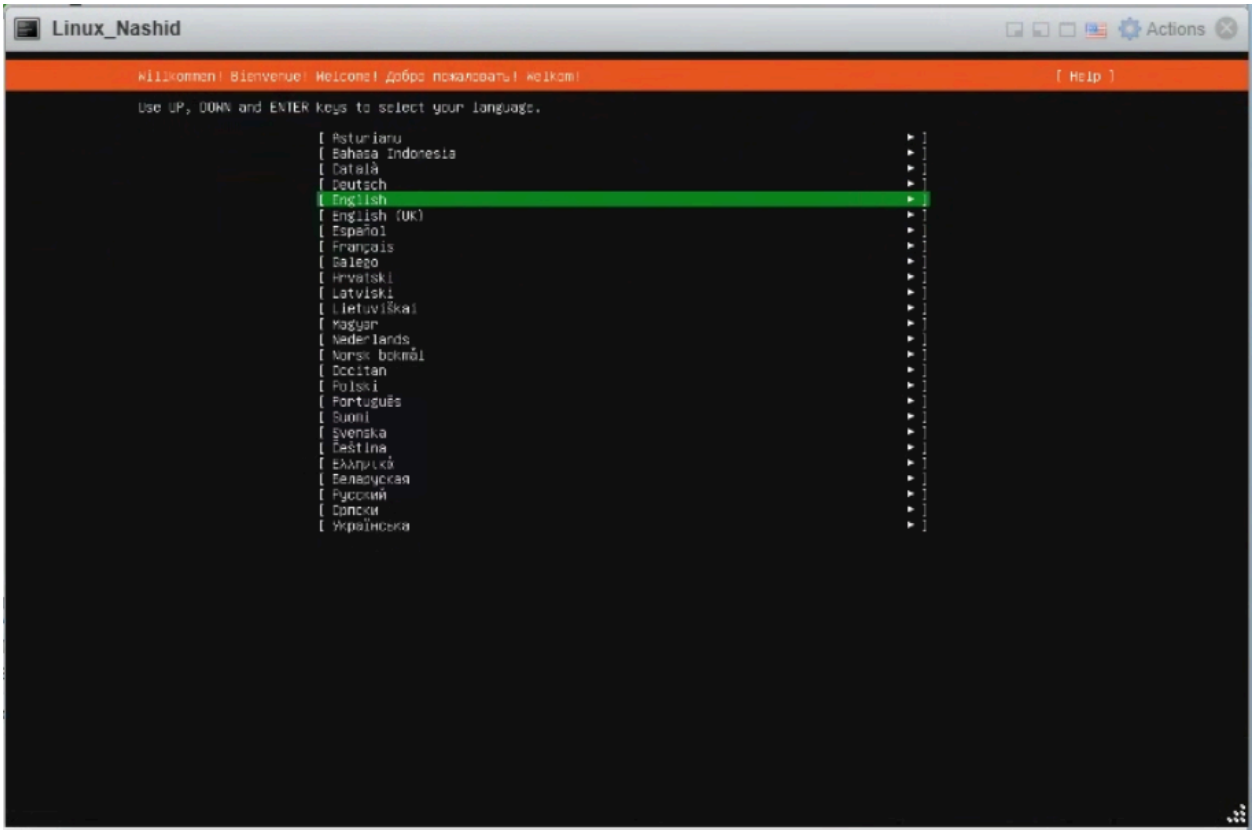


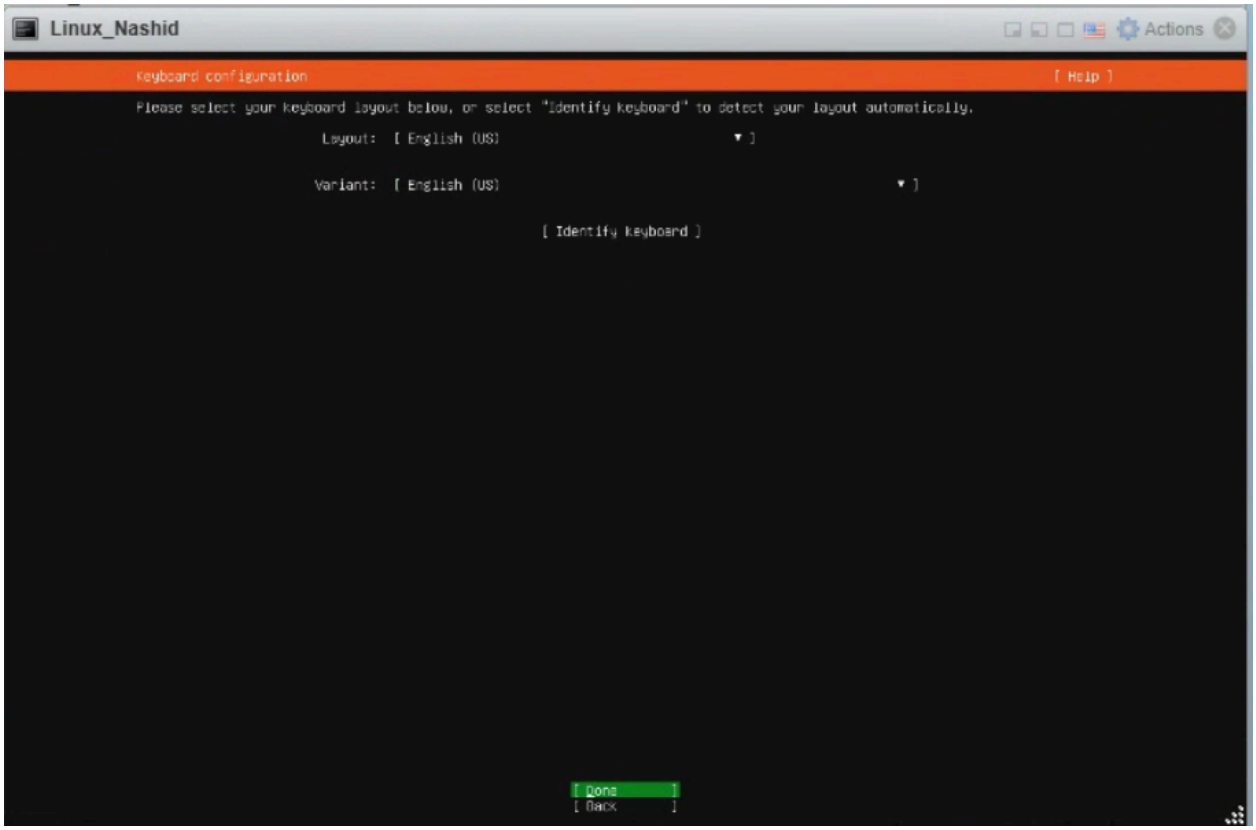
Initial Boot and Installation Prompts (Page 8 - 10):

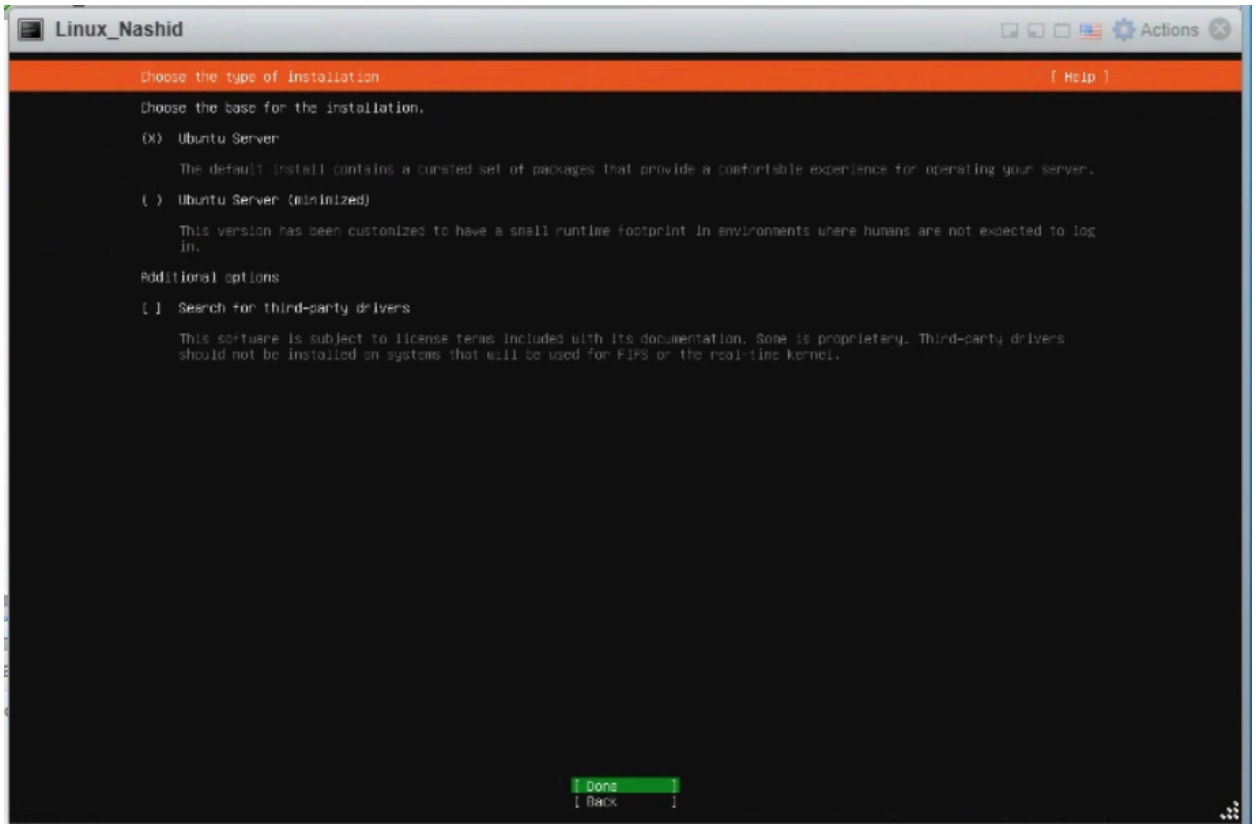
- The virtual machine booted into the **GNU GRUB version 2.12** menu, with "Try or Install Ubuntu Server" highlighted.
- System services started to load, including `ssh.socket`, `cloud-config.service`, and `systemd-logind.service`.
- The installation process reached the **Language Selection** screen, showing "English" as one of the options.

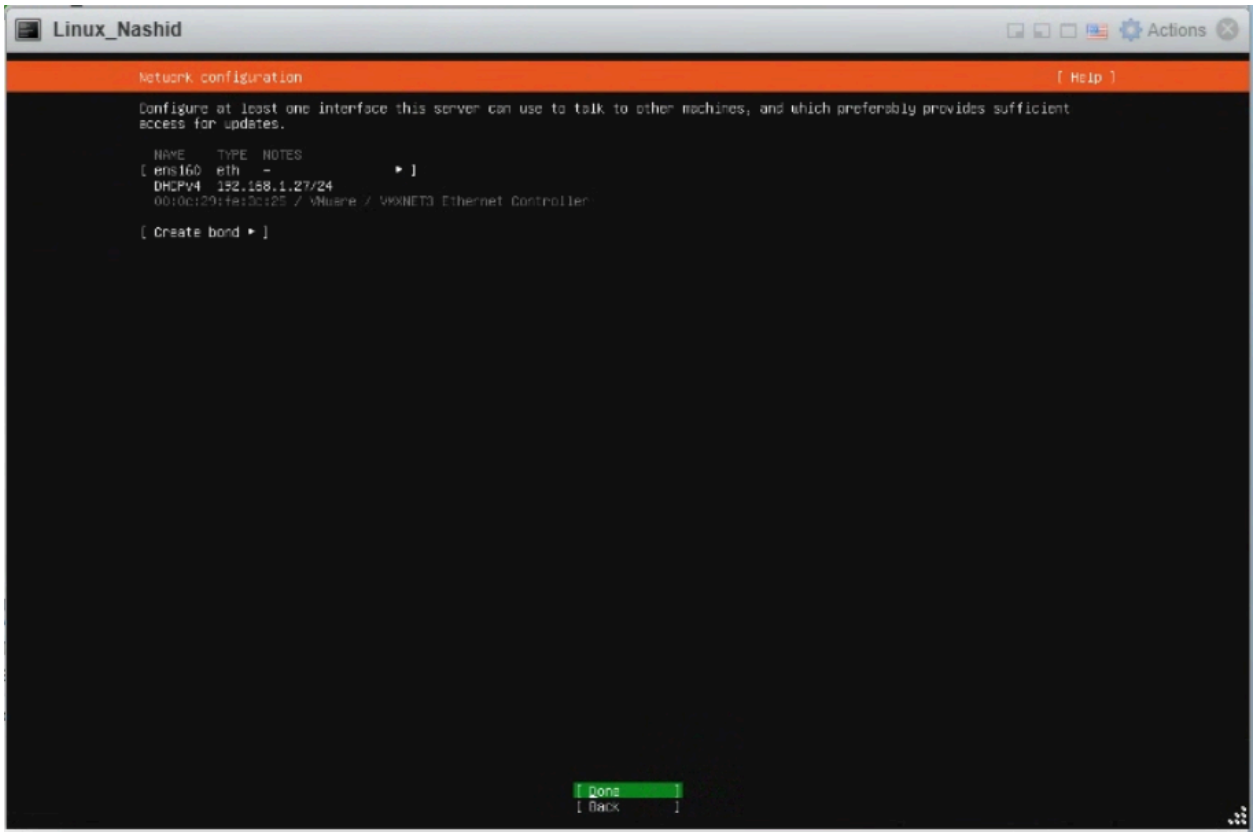

Linux_Nashid
Actions
GNU GRUB version 2.12
*Try or Install Ubuntu Server
Ubuntu Server with the HWE kernel
Test memory
Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the commands
before booting or 'c' for a command-line.
The highlighted entry will be executed automatically in 20s.

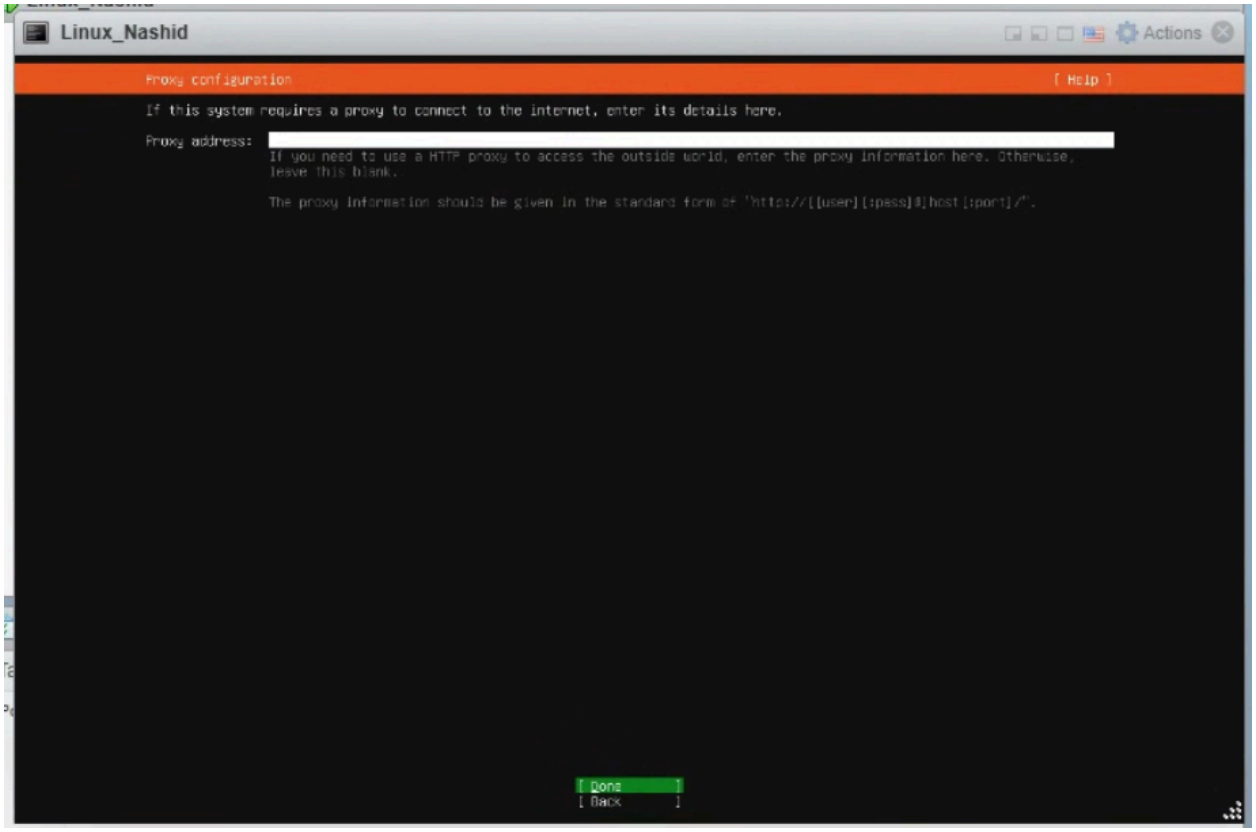

Linux_Nashid
Actions
[OK] Listening on iscsid.socket - Open-iSCSI iscsid Socket.
Starting lxd-installer.socket - Helper to install lxd snap on demand...
Starting snapd.socket - Socket activation for snappy daemon...
[OK] Listening on ssh.socket - OpenBSD Secure Shell server socket.
[OK] Listening on uuidd.socket - UUID daemon activation socket.
[OK] Reached target remote-fs-pre.target - Preparation for Remote File Systems.
[OK] Reached target remote-fs.target - Remote File Systems.
[OK] Finished blk-availability.service - Availability of block devices.
[OK] Listening on lxd-installer.socket - Helper to install lxd snap on demand.
[OK] Listening on snapd.socket - Socket activation for snappy daemon.
[OK] Reached target sockets.target - Socket Units.
[OK] Reached target basic.target - Basic System.
Starting apport.service - automatic crash report generation...
Starting cloud-config.service - Cloud-init: Config Stage...
[OK] Started cron.service - Regular background program processing daemon.
Starting dbus.service - D-Bus System Message Bus...
[OK] Started dmesg.service - Save initial kernel messages after boot.
Starting e2scrub_reap.service - Remove Stale Online ext4 Metadata Check Snapshots...
[OK] Reached target getty.target - Login Prompts.
Starting polkit.service - Authorization Manager...
Starting pollinate.service - Pollinate to seed the pseudo random number generator...
Starting rsyslog.service - System Logging Service...
[OK] Reached target getty-pre.target - Preparation for Logins.
Starting snapd.seeded.service - Wait until snapd is fully seeded...
Starting snapd.service - Snap Daemon...
Starting sysstat.service - Resets System Activity Logs...
Starting systemd-logind.service - User Login Management...
Starting systemd-user-sessions.service - Permit User Sessions...
Starting udisks2.service - Disk Manager...
[OK] Started dbus.service - D-Bus System Message Bus.
[OK] Finished sysstat.service - Resets System Activity Logs.
[OK] Finished systemd-user-sessions.service - Permit User Sessions.
Starting plymouth-quit-wait.service - Hold until boot process finishes up...
Starting plymouth-quit.service - Terminate Plymouth Boot Screen...
[OK] Finished plymouth-quit-wait.service - Hold until boot process finishes up.
Starting setvtrgb.service - Set console scheme...
[OK] Finished e2scrub_reap.service - Remove Stale Online ext4 Metadata Check Snapshots.
[OK] Finished plymouth-quit.service - Terminate Plymouth Boot Screen.
[OK] Started systemd-logind.service - User Login Management.
[OK] Started unattended-upgrades.service - Unattended Upgrades Shutdown.
[OK] Finished setvtrgb.service - Set console scheme.
[OK] Started polkit.service - Authorization Manager.
Starting ModemManager.service - Modem Manager...
[OK] Started udisks2.service - Disk Manager.
[OK] Started rsyslog.service - System Logging Service.
[OK] Finished pollinate.service - Pollinate to seed the pseudo random number generator.
[OK] Finished apport.service - automatic crash report generation.
[OK] Started ModemManager.service - Modem Manager.
[OK] Finished cloud-config.service - Cloud-init: Config Stage.

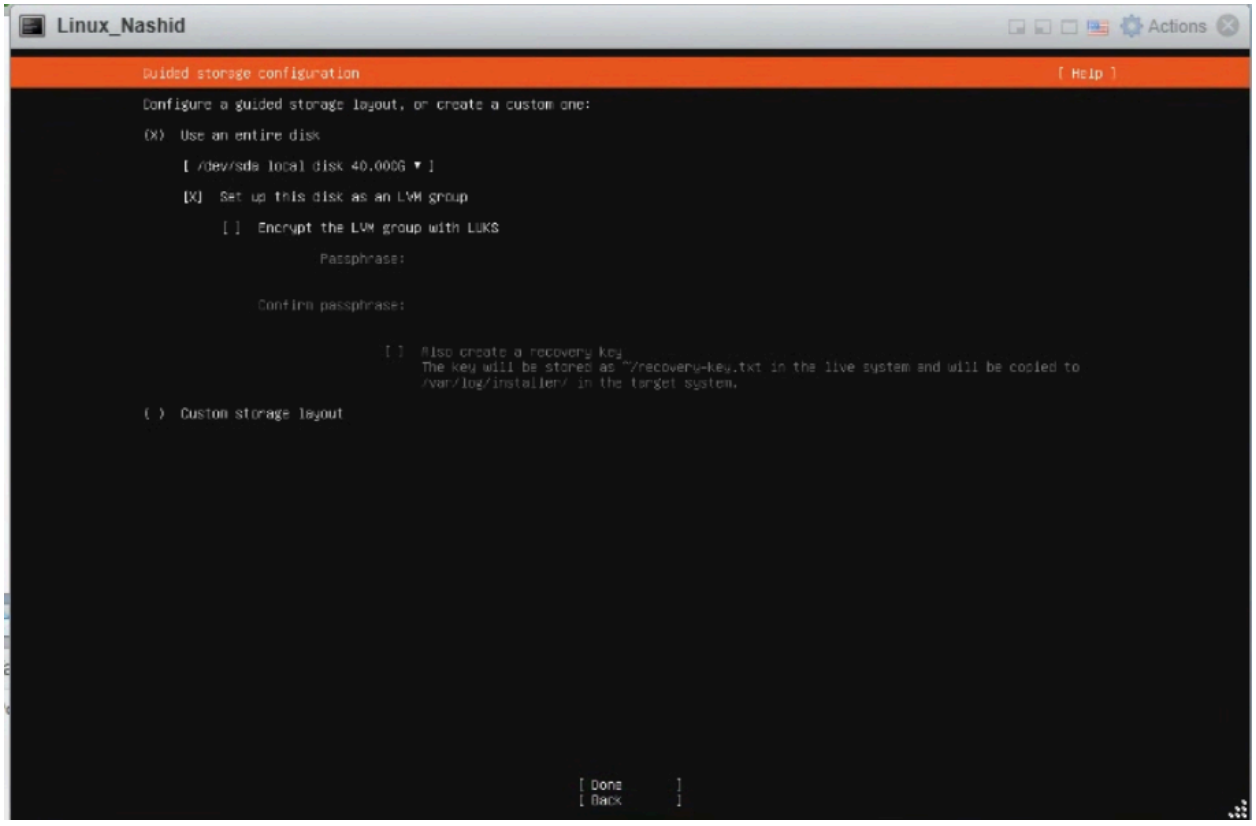

Linux_Nashid
Actions
Willkommen! Bienvenue! Welcome! Добро пожаловать! Welkom!
[Help]
Use UP, DOWN and ENTER keys to select your language.
[Asturianu
[Bahasa Indonesia
[Català
[Deutsch
[English
[English (UK)
[Español
[Français
[Galego
[Hrvatski
[Latviski
[Lietuviškai
[Magyar
[Nederlands
[Norsk bokmål
[Occitan
[Polski
[Português
[Suomi
[Svenska
[Čeština
[Ελληνικά
[Беларуская
[Русский
[Српски
[Українська

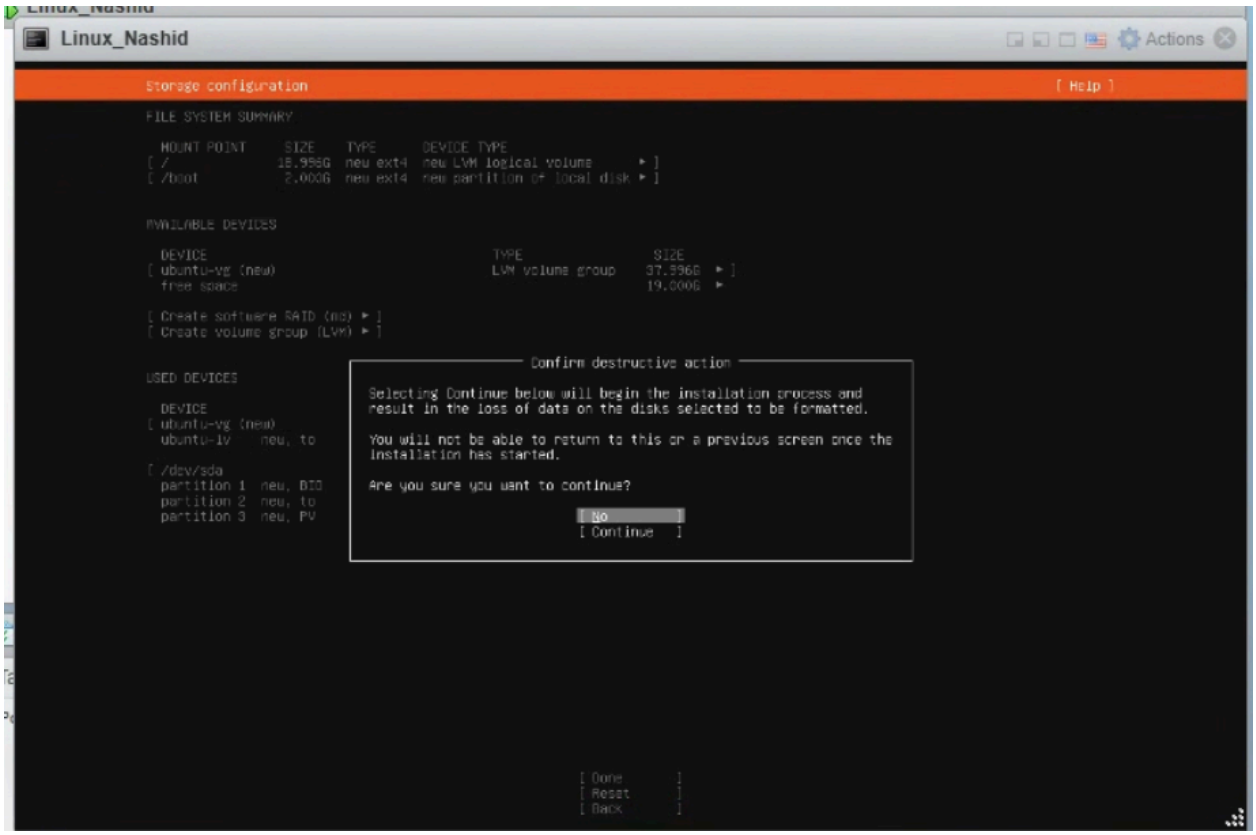

Linux_Nashid
Actions
Keyboard configuration
[Help]
Please select your keyboard layout below, or select "Identify keyboard" to detect your layout automatically.
Layout: [English (US) ▾]
Variant: [English (US) ▾]
[Identify keyboard]
[Done]
[Back]

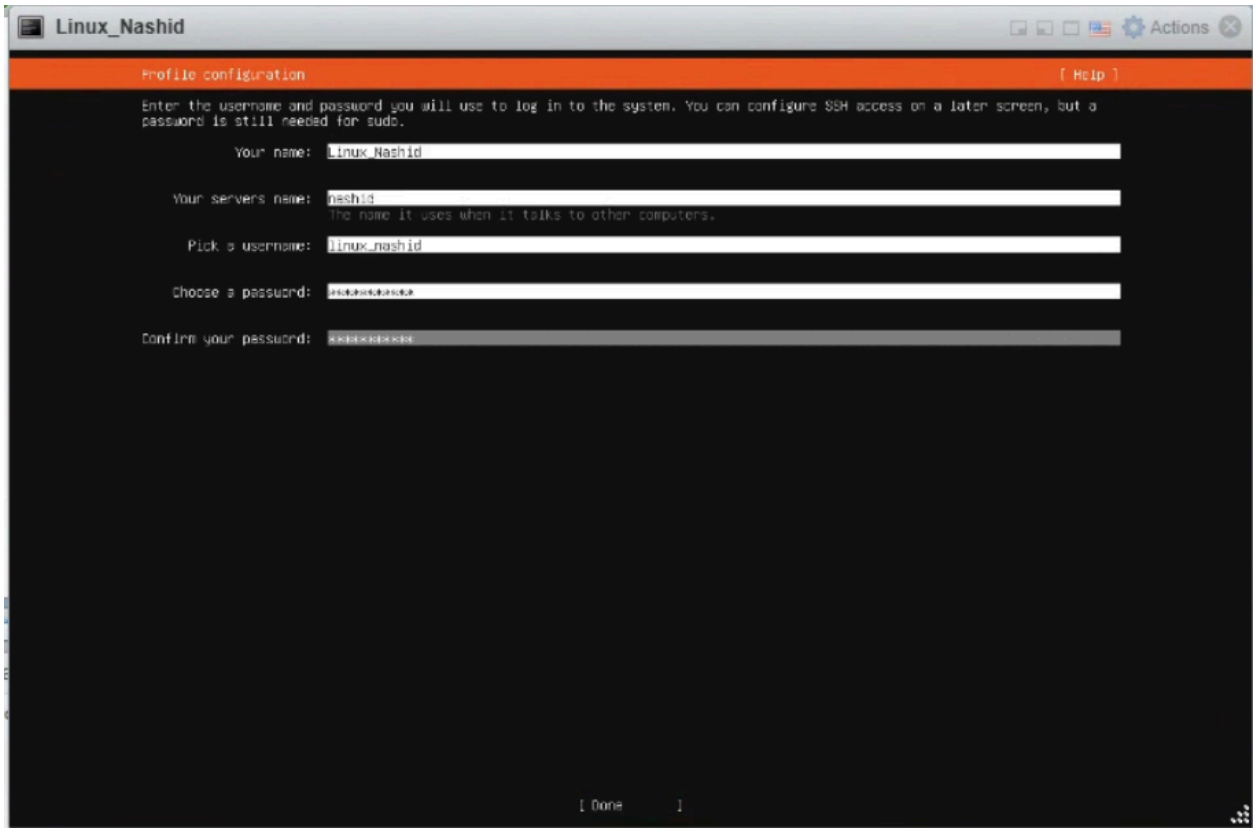

Linux_Nashid
Actions
Choose the type of installation
[Help]
Choose the base for the installation.
(X) Ubuntu Server
The default install contains a curated set of packages that provide a comfortable experience for operating your server.
( ) Ubuntu Server (minimized)
This version has been customized to have a small runtime footprint in environments where humans are not expected to log in.
Additional options
[ ] Search for third-party drivers
This software is subject to license terms included with its documentation. Some is proprietary. Third-party drivers should not be installed on systems that will be used for FIPS or the real-time kernel.
[Done]
[Back]

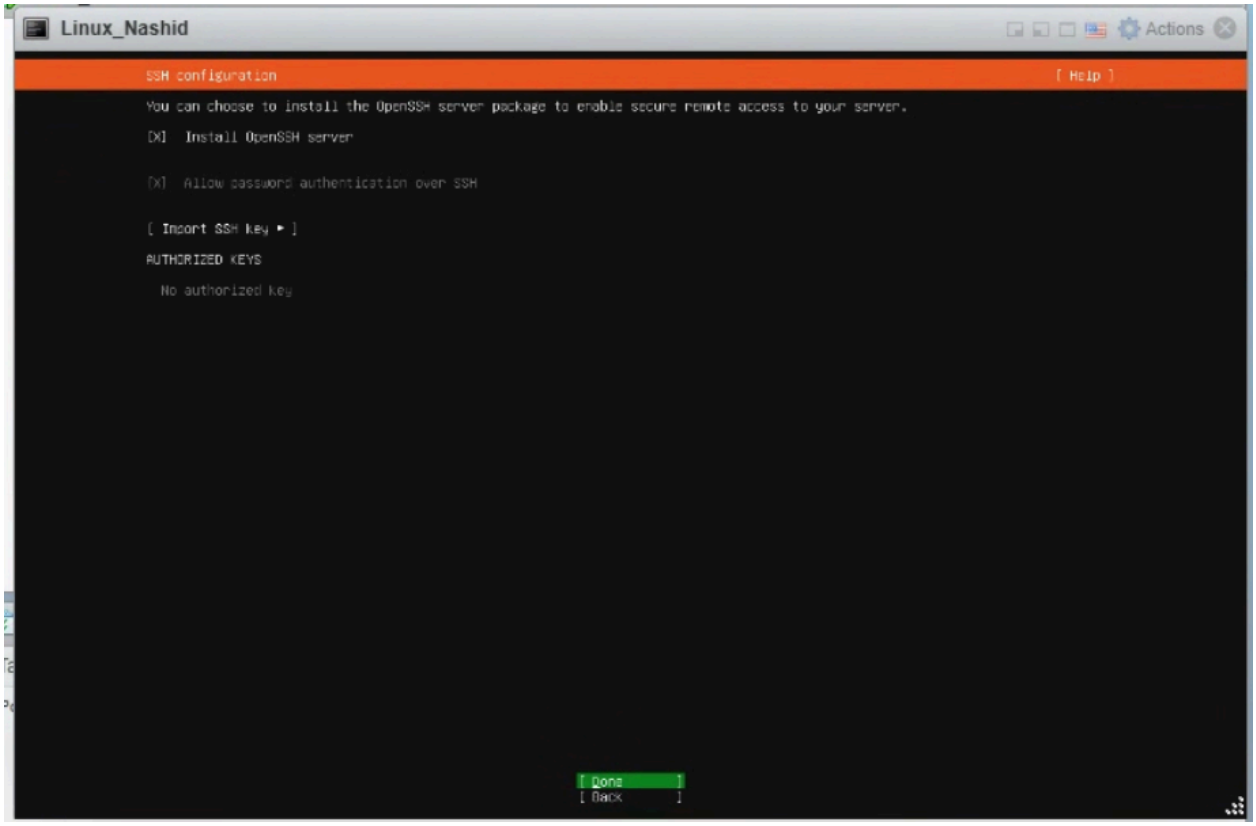

Linux_Nashid
Actions
Network configuration
[Help]
Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.
NAME TYPE NOTES
[ens160 eth - ▸]
DHCPv4 192.168.1.27/24
00:0c:29:fe:3c:25 / VMware / VMXNET3 Ethernet Controller
[Create bond ▸]
[Done]
[Back]

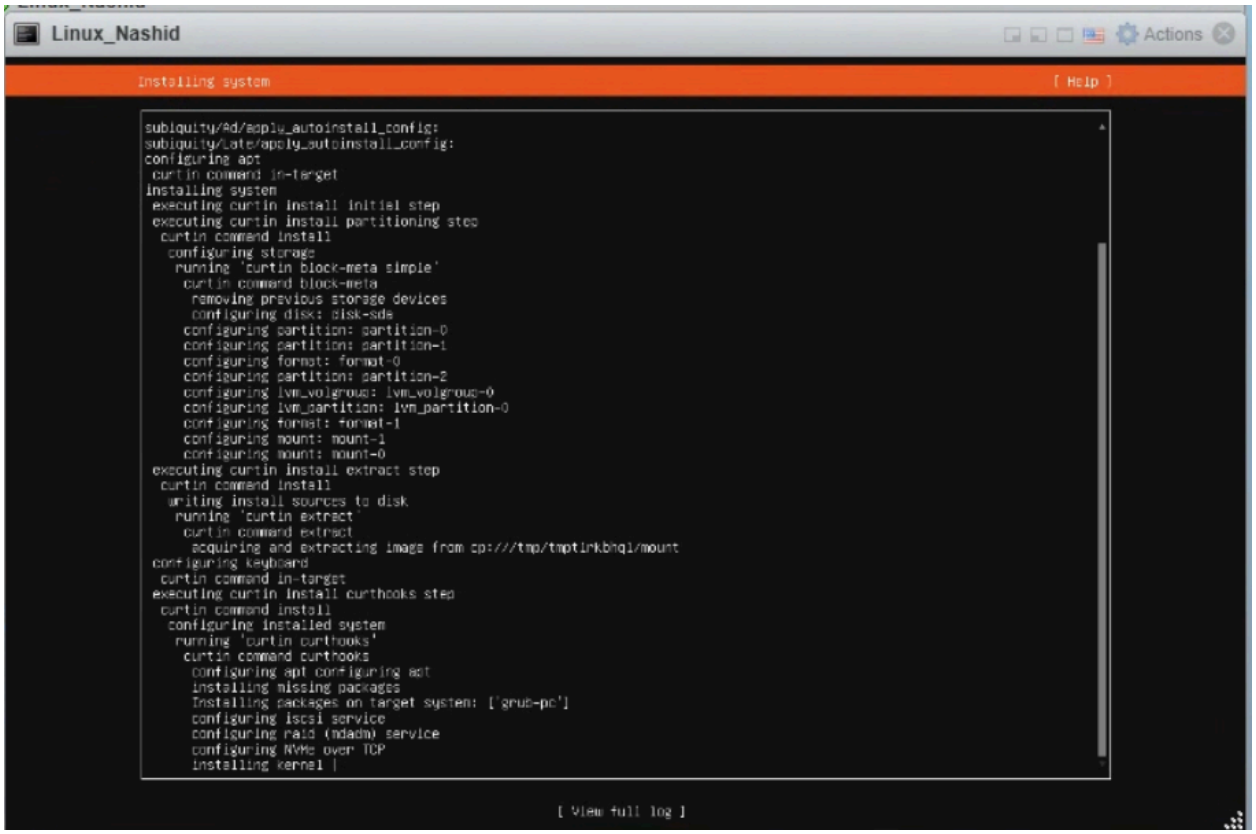

Linux_Nashid
Actions
Proxy configuration
[Help]
If this system requires a proxy to connect to the internet, enter its details here.
Proxy address:
If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.
The proxy information should be given in the standard form of "http://[[user][:pass]@]host[:port]/".
[Done]
[Back]

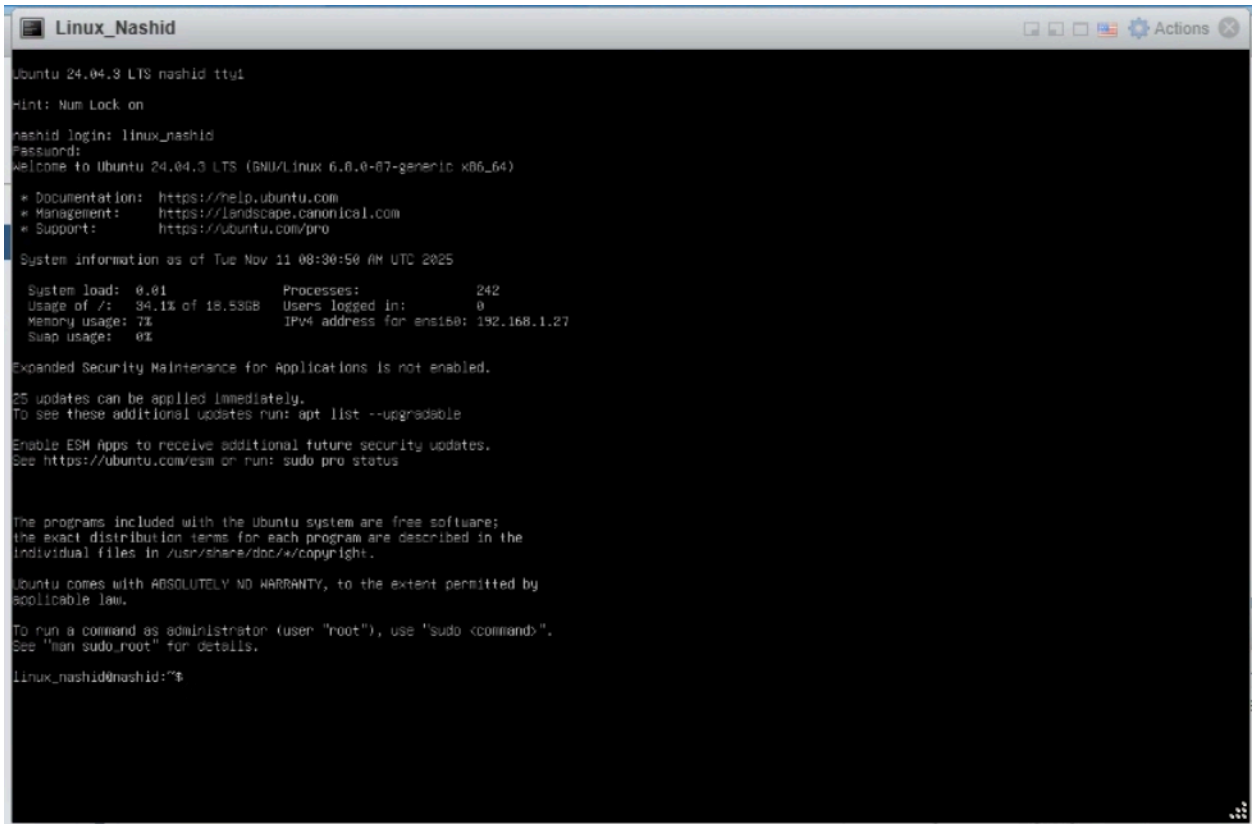

Linux_Nashid
Actions
Guided storage configuration
[Help]
Configure a guided storage layout, or create a custom one:
(X) Use an entire disk
[/dev/sda local disk 40.000G ▼]
[X] Set up this disk as an LVM group
[ ] Encrypt the LVM group with LUKS
Passphrase:
Confirm passphrase:
[ ] Also create a recovery key
The key will be stored as ~/recovery-key.txt in the live system and will be copied to /var/log/installer/ in the target system.
( ) Custom storage layout
[Done]
[Back]


Linux_Nashid
Actions
Storage configuration
[Help]
FILE SYSTEM SUMMARY
MOUNT POINT SIZE TYPE DEVICE TYPE
[/ 18.996G new ext4 new LVM logical volume ▸]
[/boot 2.000G new ext4 new partition of local disk ▸]
AVAILABLE DEVICES
DEVICE TYPE SIZE
[ubuntu-vg (new) LVM volume group 37.996G ▸]
free space 19.000G ▸
[Create software RAID (md) ▸]
[Create volume group (LVM) ▸]
USED DEVICES
DEVICE
[ubuntu-vg (new)
ubuntu-lv new, to
[/dev/sda
partition 1 new, BIO
partition 2 new, to
partition 3 new, PV
Confirm destructive action
Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be formatted.
You will not be able to return to this or a previous screen once the installation has started.
Are you sure you want to continue?
[No]
[Continue]
[Done]
[Reset]
[Back]


Linux_Nashid
Actions
Profile configuration
[Help]
Enter the username and password you will use to log in to the system. You can configure SSH access on a later screen, but a password is still needed for sudo.
Your name: Linux_Nashid
Your servers name: nashid
The name it uses when it talks to other computers.
Pick a username: linux_nashid
Choose a password: ••••••••••
Confirm your password: ••••••••••
[Done]


Linux_Nashid
Actions
SSH configuration
[Help]
You can choose to install the OpenSSH server package to enable secure remote access to your server.
[X] Install OpenSSH server
[X] Allow password authentication over SSH
[Import SSH key ▸]
AUTHORIZED KEYS
No authorized key
[Done]
[Back]


Linux_Nashid
Actions
Installing system
[Help]
subiquity/Add/apply_autoinstall_config:
subiquity/Late/apply_autoinstall_config:
configuring apt
curtin command in-target
installing system
executing curtin install initial step
executing curtin install partitioning step
curtin command install
configuring storage
running 'curtin block-meta simple'
curtin command block-meta
removing previous storage devices
configuring disk: disk-sda
configuring partition: partition-0
configuring partition: partition-1
configuring format: format-0
configuring partition: partition-2
configuring lvm_volgroup: lvm_volgroup-0
configuring lvm_partition: lvm_partition-0
configuring format: format-1
configuring mount: mount-1
configuring mount: mount-0
executing curtin install extract step
curtin command install
writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///tmp/tmptlnkbnq1/mount
configuring keyboard
curtin command in-target
executing curtin install curthooks step
curtin command install
configuring installed system
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
Installing packages on target system: ['grub-pc']
configuring iscsi service
configuring raid (mdadm) service
configuring NVMe over TCP
installing kernel
[View full log]



Linux was successfully installed.