# Ubuntu 22.04 – Part 2 Desktop Installation.

Waikato Linux Users Group Ian Stewart 27 Jun 2022 PC firmware Boot Menu.

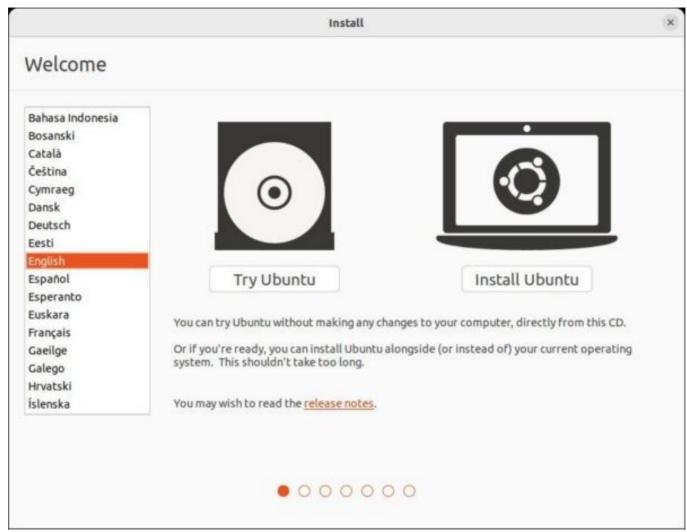
USB stick option to boot UEFI or Legacy version of Ubuntu

#### Grub Menu

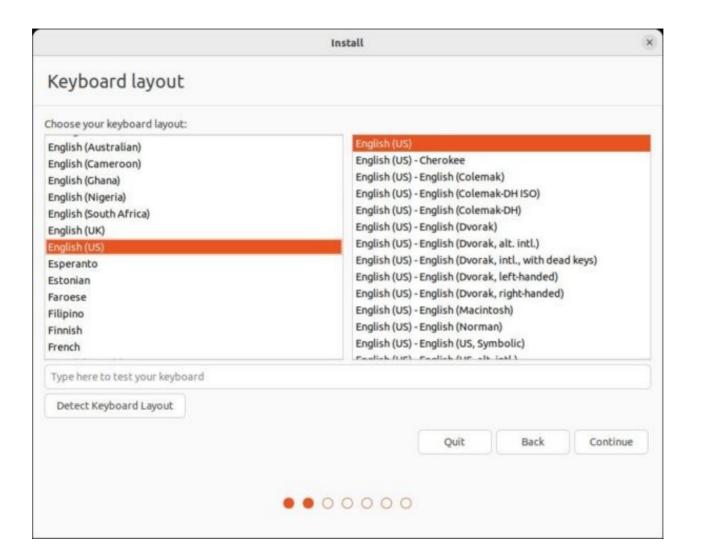
```
GNU GRUB version 2.06
*Try or Install Ubuntu
Ubuntu (safe graphics)
OEM install (for manufacturers)
 Test memory
```

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.

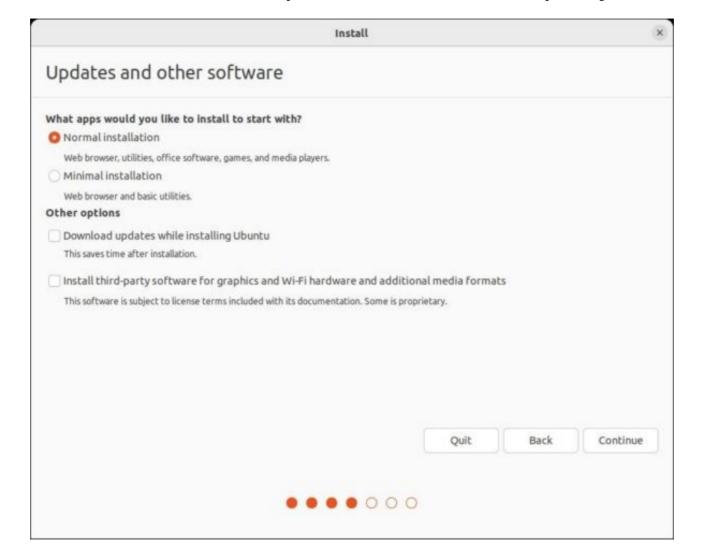
# Try / Install?



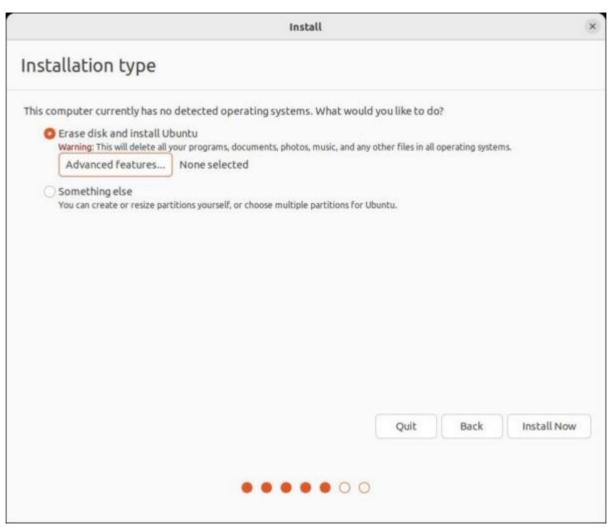
#### Keyboard?



## Normal / Minimal? Download Updates? Install 3rd party software?



#### Installation type?



#### Something Else.

If you choose "Something else" in the previous screen. It will bring you into the partition table.

Create the following partitions using the free disk spaces (or remove and re-use unused spaces):

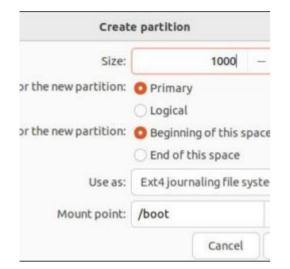
**EFI** - 100  $\sim$  500 MB. (optional for old legacy BIOS without secure boot)

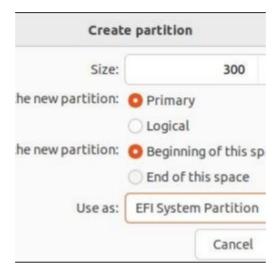
**Swap area** – as large as RAM (optional if you have large RAM. And, a swap-file can take the job after installation)

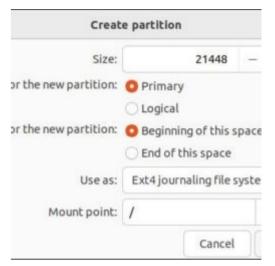
**/boot Ext4** partition – 500 ~ 1000MB (optional, but required for LVM or disk encryption)

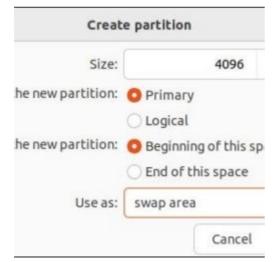
**Ext4 mounted at "I"** - 20GB + the bigger the better (required)

#### Something Else. Partitions: /boot, EFI, Ext4, Swap











#### Examples of partition combinations:

EFI + Ext4 mounted at "/"

EFI + Swap + Ext4 mounted at "/"

EFI + Ext4 mounted at "/" + separated "/boot" partition

EFI + Swap + Ext4 mounted at "/" + separated "/boot" partition

**Ext4 mounted at "/"** (for legacy boot only)

**Ext4 mounted at "I"** + separated "**/boot**" partition (for legacy boot only)

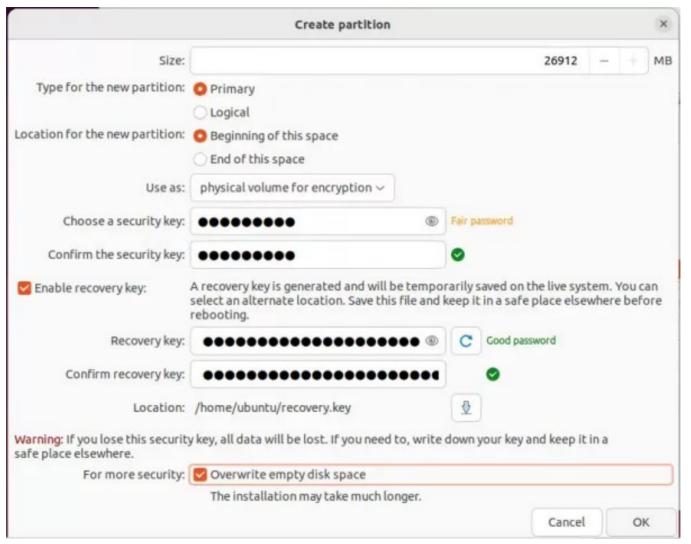
Swap + Ext4 mounted at "I" (for legacy boot only)

Swap + Ext4 mounted at "/" + separated "/boot" partition (for legacy boot only)

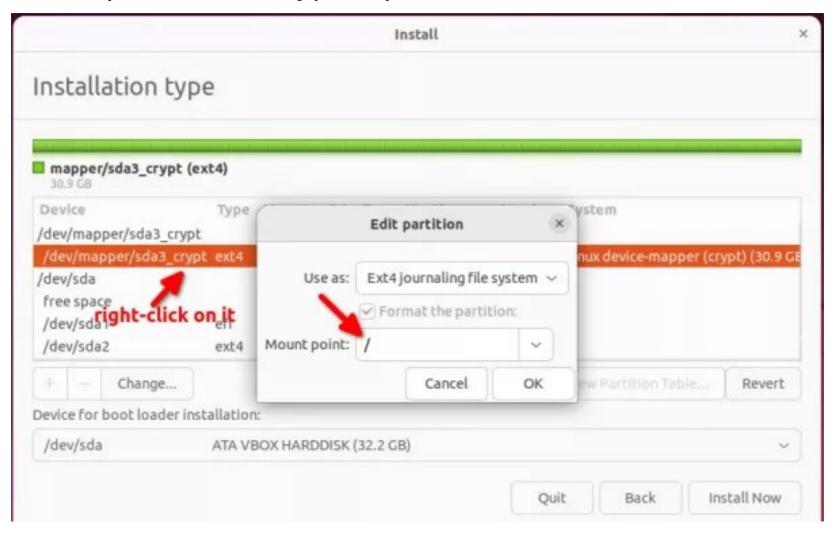
**EFI + Ext4 mounted at "/"** (Encrypted) + separated "/boot" partition (no swap and /boot is required)

https://ubuntuhandbook.org/index.php/2022/04/install-ubuntu-2204-step-by-step/

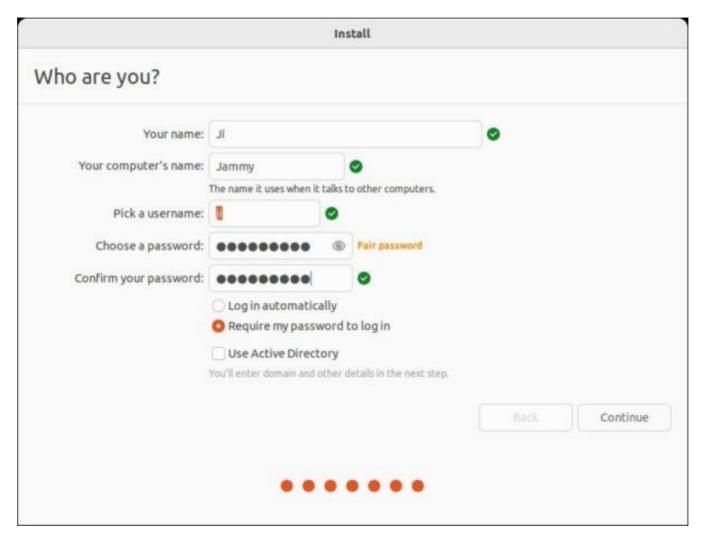
#### **Encrypted Partition**



#### Adding Mount point for Encrypted partition



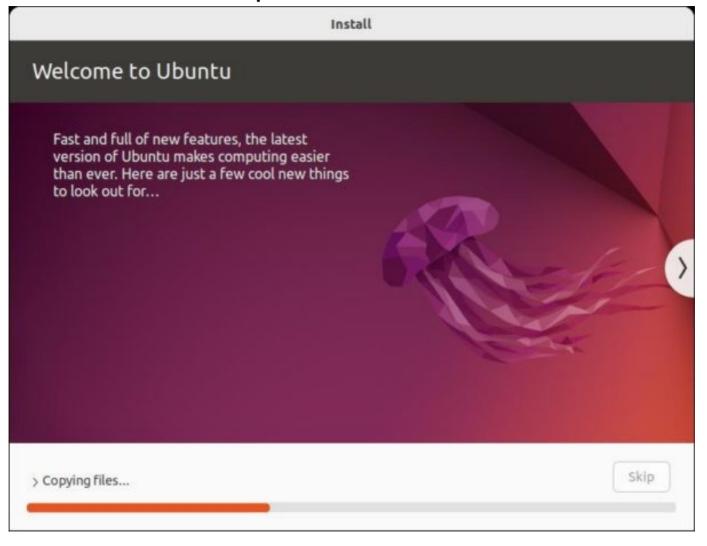
#### Setup Account



#### Location – Time Zone.



#### Slide show while installation proceeds.



# On completing installation:

- reboot. (Remove USB stick)
- sudo apt update
- sudo apt dist-upgrade
- reboot

# Ubuntu 22.04 Part 2 Server Installation.

From firmware menu, Boot USB stick with Ubuntu Server image:

https://www.linuxtechi.com/install-ubuntu-server-22-04-step-by-step/

#### On completing installation:

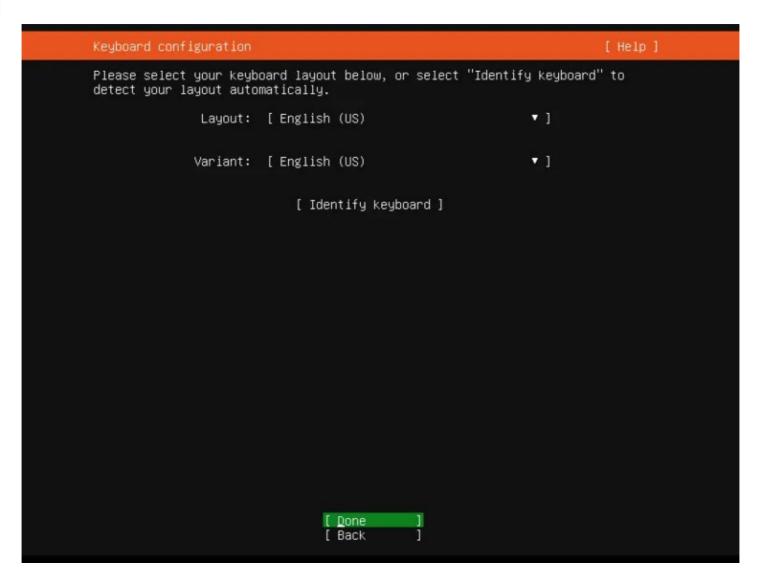
		GNU G	GRUB	version	2.06		
*Try or Install Test memory	Ubuntu Se	rver					

Use the 1 and  $\downarrow$  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.

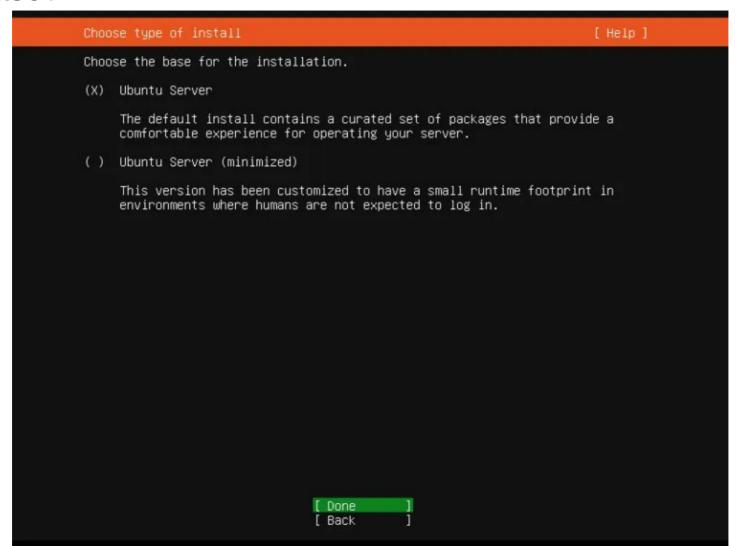
# Language

Use UP, DOWN a	nd ENTER keys to select your language.	
	[ Asturianu	<b>▶</b> 1
	[ Bahasa Indonesia	• i
	[ Català	• i
	[ Deutsch	• j
	[ <u>E</u> nglish	• i
	[ English (UK)	<b>▶</b> ]
	[ Español	▶ ]
	[ Français	▶ j
	[ Galego	<b>▶</b> ]
	[ Hrvatski	<b>▶</b> ]
	[ Latviski	► ]
	[ Lietuviškai	<b>▶</b> 1
	[ Magyar	<b>▶</b> ]
	[ Nederlands	<b>▶</b> ]
	[ Norsk bokmål	▶ ]
	[ Polski	<b>▶</b> ]
	[ Português	<b>▶</b> ]
	[ Suomi	<b>▶</b> ]
	[ Svenska	<b>▶</b> ]
	[Čeština	<b>▶</b> 1
	[ Ελληνικά	<b>▶</b> ]
	[ Беларуская	<b>▶</b> ]
	[ Русский	► 1
	[ Српски [ Українська	• 1
	I Maron Marian	<b>▶</b> ]

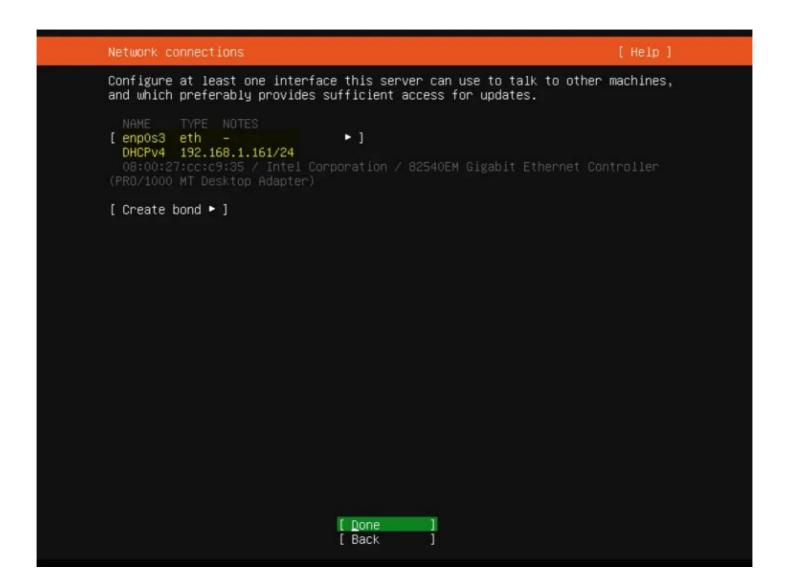
# Keyboard



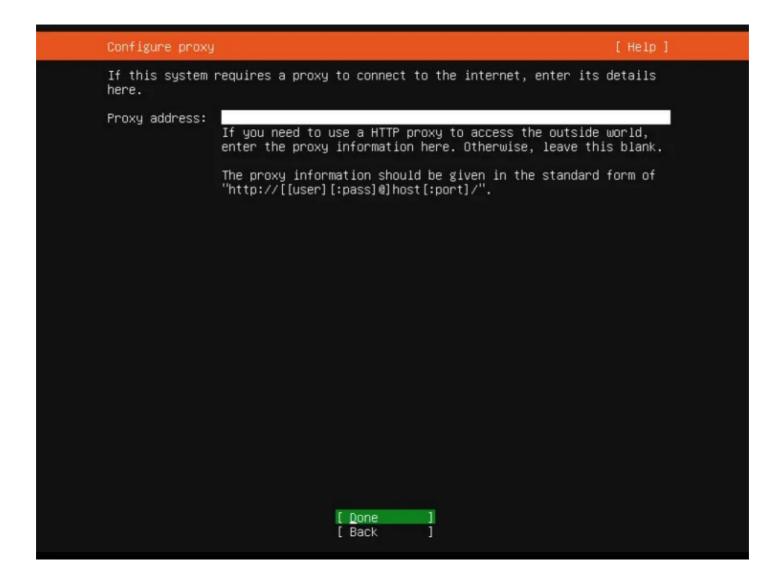
#### Server Base?



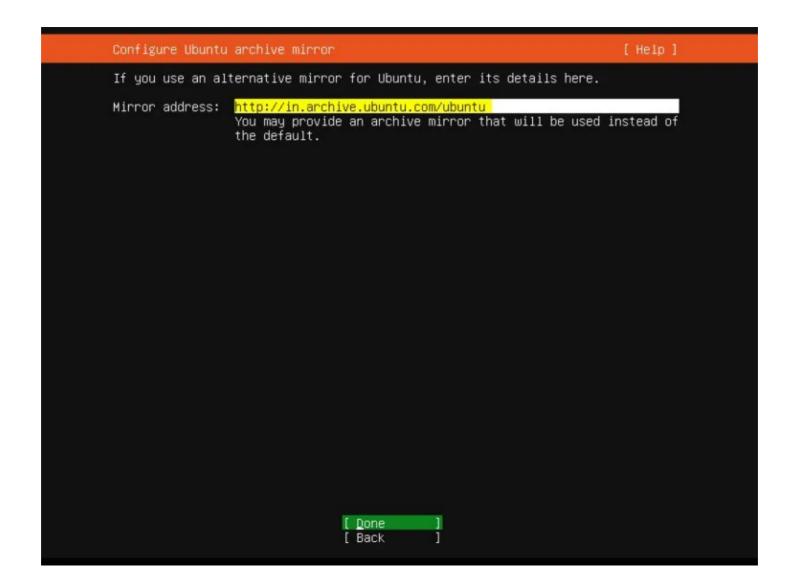
#### Network



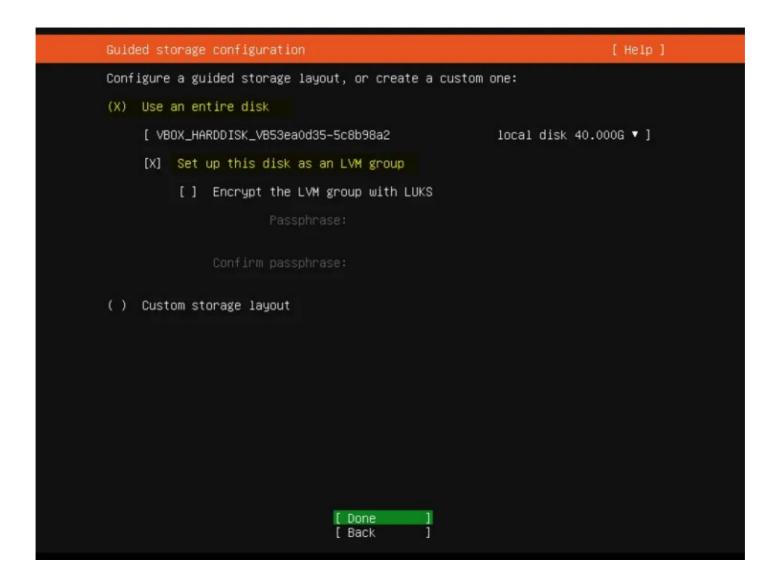
#### Proxy



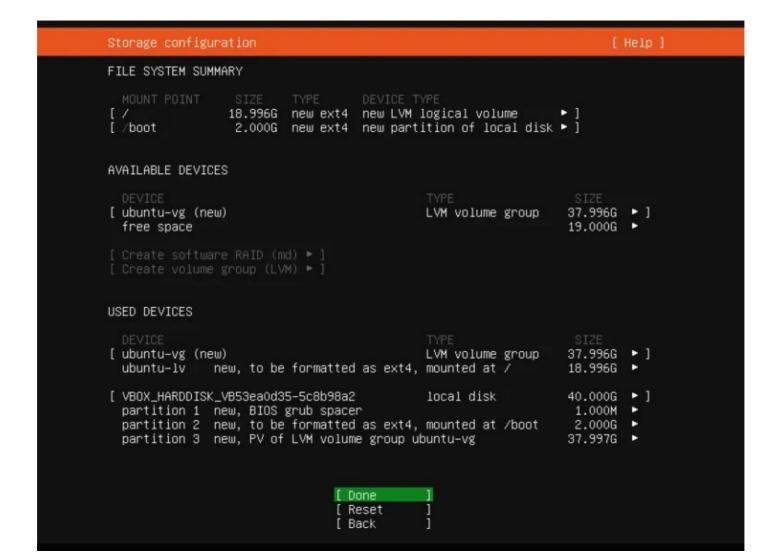
#### Mirror



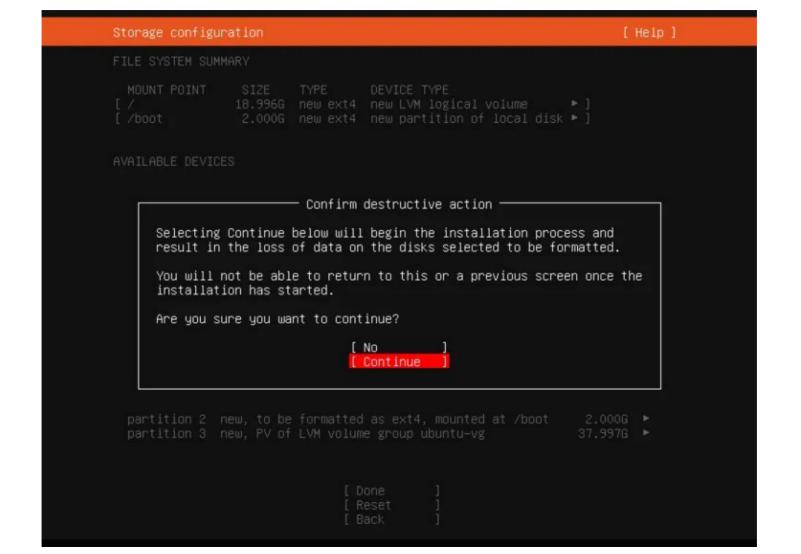
#### Storage



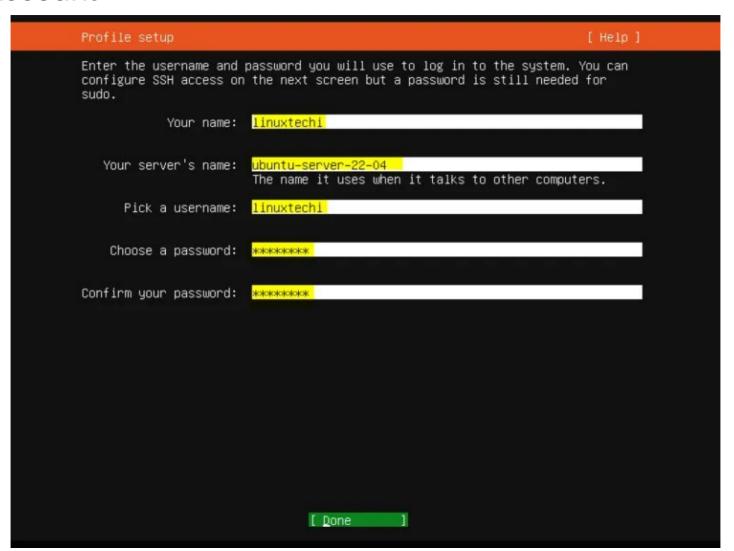
## Storage



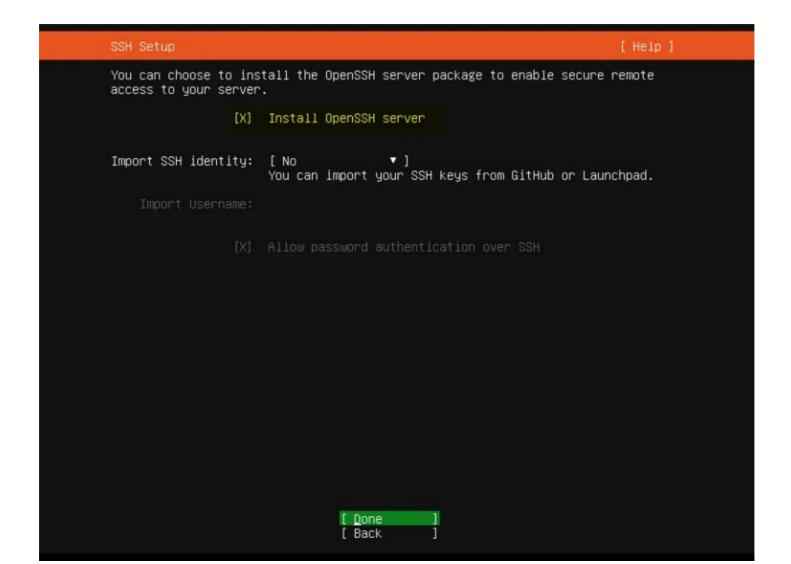
#### Storage



#### Profile / Account



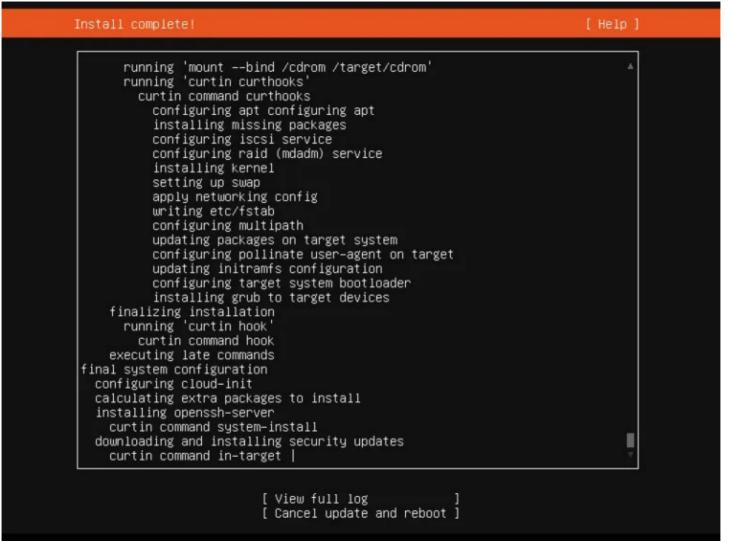
#### SSH



#### Server Snaps

#### Featured Server Snaps These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available. [] microk8s Kubernetes for workstations and appliances [] nextcloud Nextcloud Server - A safe home for all your data [] wekan The open-source kanban Build lightweight VMs that seamlessly plug into the c ▶ l kata-containers docker Docker container runtime [ ] canonical-livepatch Canonical Livepatch Client [] rocketchat-server Rocket.Chat server [] mosquitto Eclipse Mosquitto MQTT broker [] etcd Resilient key-value store by CoreOS [] powershell PowerShell for every system! [] stress-ng tool to load and stress a computer [ ] sabnzbd SABnzbd get things from one computer to another, safely [] wormhole Universal Command Line Interface for Amazon Web Servi ] aws-cli google-cloud-sdk Google Cloud SDK Python based SoftLayer API Tool. [] slcli [] doct1 The official DigitalOcean command line interface Package runtime for conjure-up spells [] conjure-up PostgreSQL is a powerful, open source object-relation ▶ [ ] postgresq110 CLI client for Heroku [] heroku [] keepalived High availability VRRP/BFD and load-balancing for Lin ▶ [] prometheus The Prometheus monitoring system and time series data ▶ [] juju Juju – a model-driven operator lifecycle manager for ▶ [ Done [ Back

## Copying and Installation completed



#### Reboot

```
configuring apt configuring apt
         installing missing packages
         configuring iscsi service
         configuring raid (mdadm) service
         installing kernel
         setting up swap
         apply networking config
         writing etc/fstab
         configuring multipath
         updating packages on target system
         configuring pollinate user-agent on target
         updating initramfs configuration
         configuring target system bootloader
         installing grub to target devices
   finalizing installation
     running 'curtin hook'
       curtin command hook
   executing late commands
final system configuration
 configuring cloud-init
 calculating extra packages to install
 installing openssh-server
   curtin command system-install
 downloading and installing security updates
   curtin command in-target
 restoring apt configuration
   curtin command in-target
subiquity/Late/run
                               View full log ]
                               Reboot Now
```

# Login

----END SSH HOST KEY KEYS-----20.491431] cloud-init[1396]: Cloud-init v. 22.1-14-g2e17a0d6-Oubuntu1~22.04.5 finished at Sun, 0 May 2022 06:19:28 +0000. Datasource DataSourceNone. Up 20.48 seconds 20.492614] cloud-init[1396]: 2022-05-08 06:19:28,467 - cc\_final\_message.py[WARNING]: Used fallba datasource ubuntu–server–22–04 login: linuxtechi assword: Welcome to Ubuntu 22.04 LTS (GNU/Linux 5.15.0-27-generic x86\_64) \* Documentation: https://help.ubuntu.com \* Management: https://landscape.canonical.com \* Support: https://ubuntu.com/advantage System information as of Sun May 8 06:19:52 AM UTC 2022 System load: 0.595703125 Processes: 117 Usage of /: 24.6% of 18.53GB Users logged in: IPv4 address for enp0s3: 192.168.1.161 Memory usage: 11% Swap usage: 0% 12 updates can be applied immediately. To see these additional updates run: apt list --upgradable The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/\*/copyright. Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law. To run a command as administrator (user "root"), use "sudo <command>". See "man sudo\_root" for details. linuxtechi@ubuntu-server-22-04:~\$ \_

# End