

Projecte ASIX 2k22

Escola Del Treball

2HISX 2021-2022

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CryptoSEC: “*Careful where you step in*”

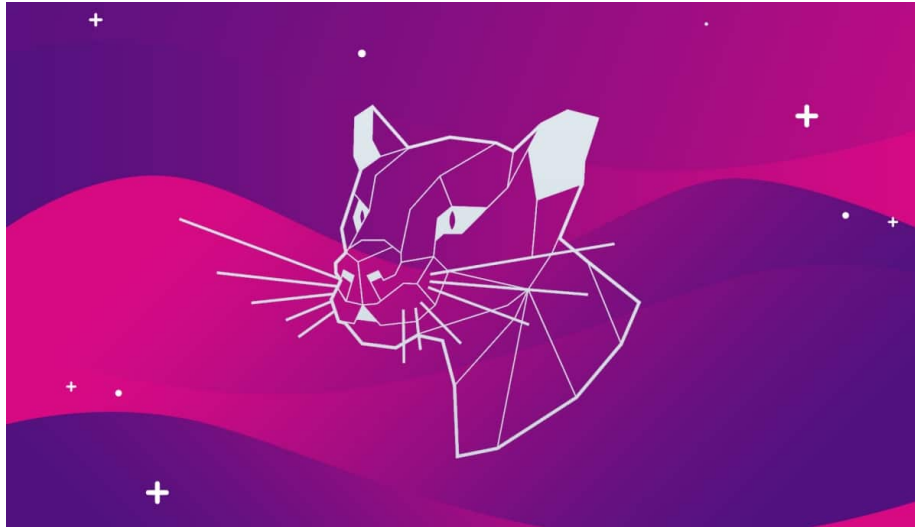


Img src: @Aaron & Cristian's Github

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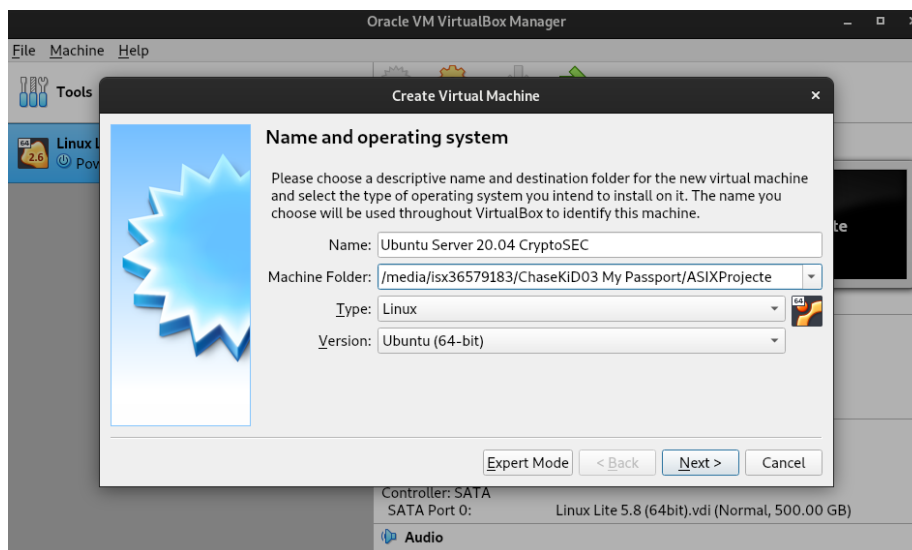
- Instal·lació Ubuntu Server 20.04: -> readME <-
- Quick configuration: -> readME <-

Instal·lació Ubuntu Server 20.04



Img src: www.gizchina.com

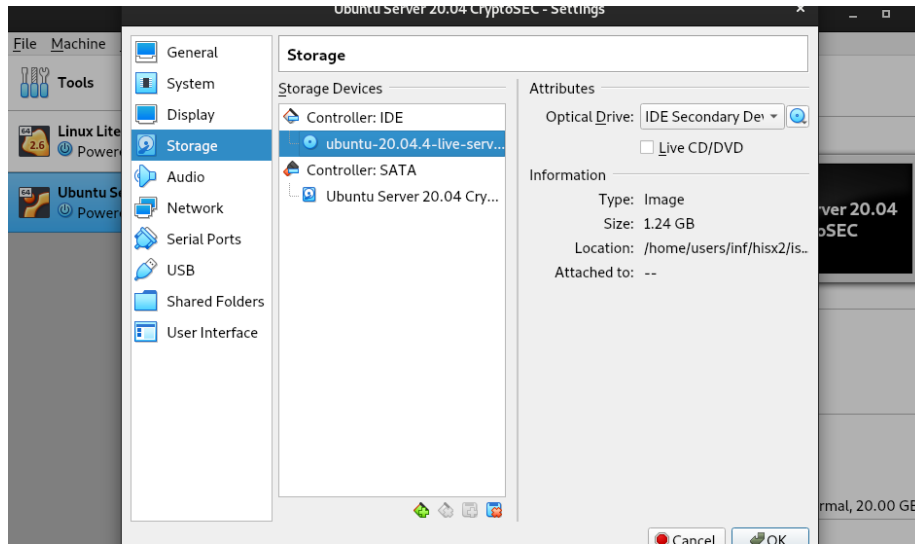
1. Descarregar-nos la ISO de Ubuntu Server 20.04 LTS: [downloadISO](https://ubuntu.com/server/download)
2. Obrir VirtualBOX -> New -> Name -> Memoria 1024M -> Create virtual Hard Disk Now -> VDI 70GB -> Dynamic size.



Img src: @Aaron & Cristian's Github

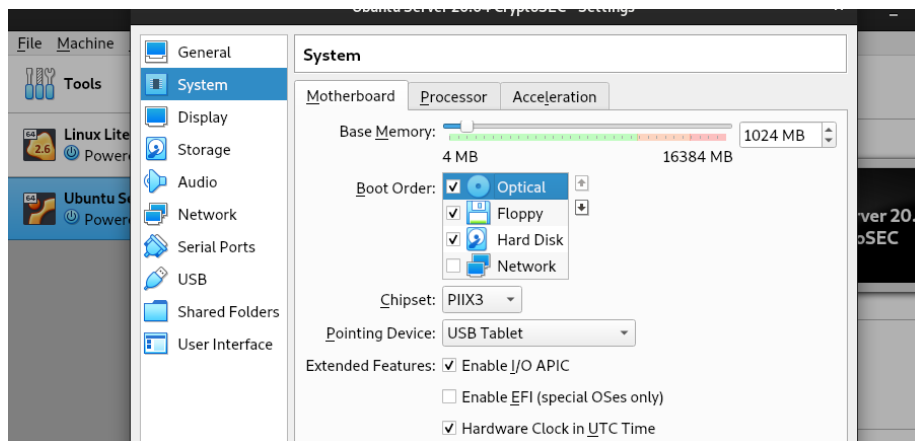
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2. Afegim el disk ISO manualment.



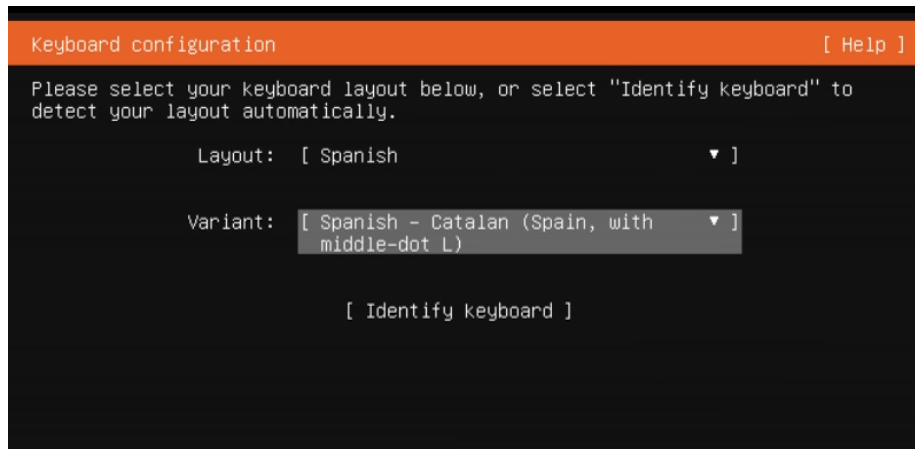
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3. Canviar l'ordre d'arrencada.



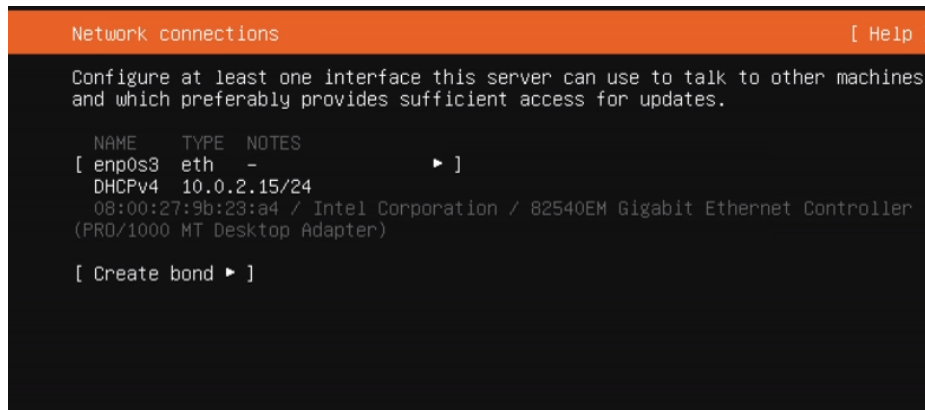
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4. Seleccionem English com a idioma del sistema i teclat en Català.



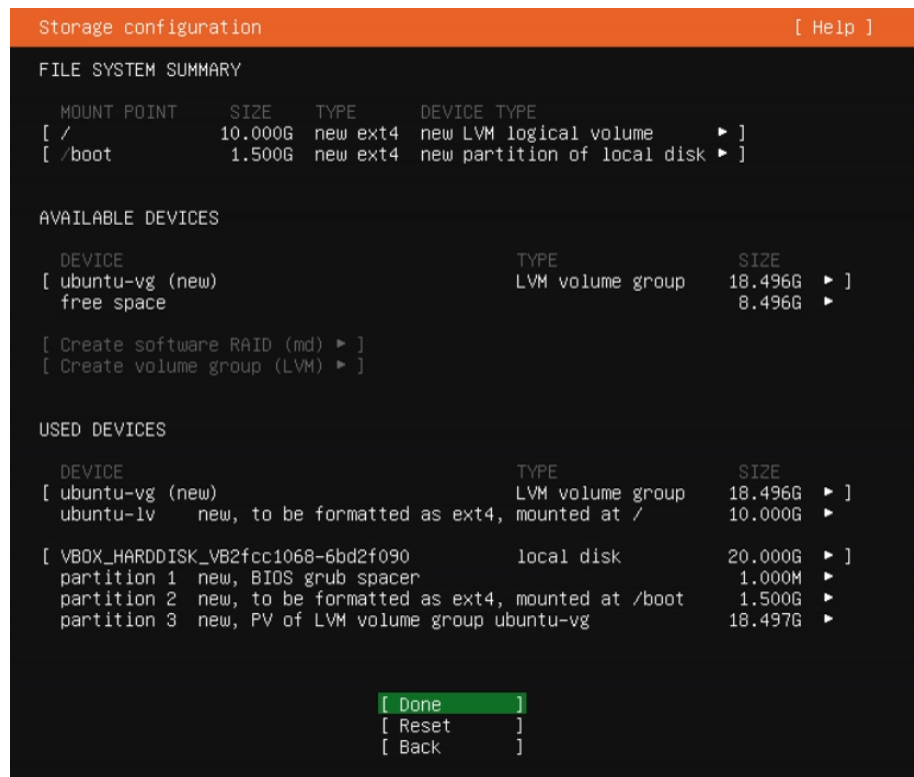
Img src: @Aaron & Cristian's Github

- De moment la configuració de xarxa la deixem tal qual amb NAT, després la canviarem.



Img src: @Aaron & Cristian's Github

- Ubuntu Server es farà l'automatització de les particions per a que sigui adequat per a UB Server. Utilitzarà LVM pel que veiem.



Img src: @Aaron & Cristian's Github

7. Posem les nostres dades de Servidor.

Profile setup [Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.

Your name:

Your server's name:
The name it uses when it talks to other computers.

Pick a username:

Choose a password:

Confirm your password:

Img src: @Aaron & Cristian's Github

8. Seleccionem alguns repositoris que ens interessin com *docker* o *aws-cli*.

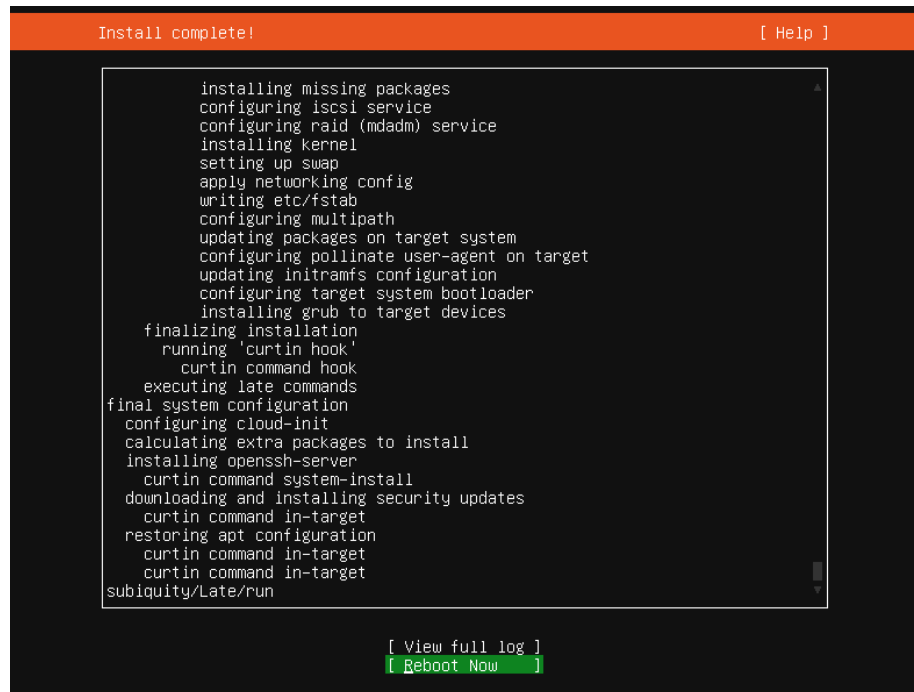
```
Featured Server Snaps [ Help ]

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 ▶
[ ] kata-containers    Build lightweight VMs that seamlessly plug into the c ▶
[*] 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 ▶
[ ] wormhole           get things from one computer to another, safely ▶
[*] aws-cli            Universal Command Line Interface for Amazon Web Servi ▶
[ ] google-cloud-sdk   Google Cloud SDK ▶
[ ] slcli              Python based SoftLayer API Tool. ▶
[ ] doctl              The official DigitalOcean command line interface ▶
[ ] conjure-up          Package runtime for conjure-up spells ▶
[ ] postgresql10       PostgreSQL is a powerful, open source object-relation ▶
[ ] heroku             CLI client for 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 ▶
```

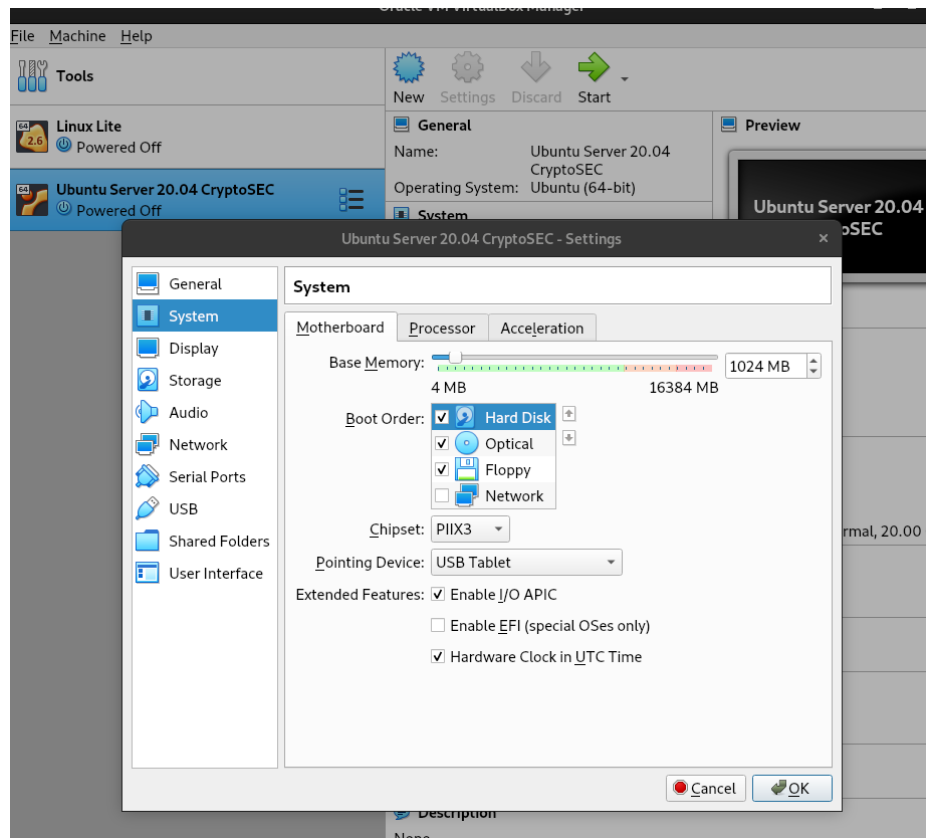
Img src: @Aaron & Cristian's Github

9. Esperem a que s'instal·li correctament.



Img src: @Aaron & Cristian's Github

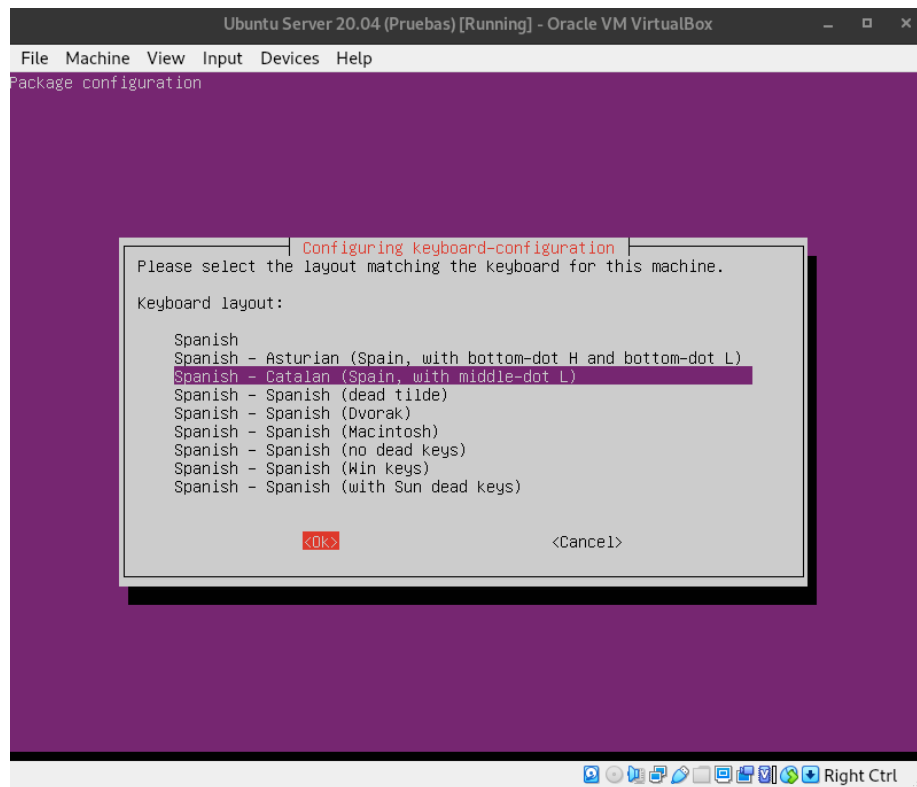
10. Rebotar i treure la disc ISO. Canviar l'arrencada.



Img src: @Aaron & Cristian's Github

Quick configuration

1. Update repository: `apt-get update`
2. Canviar el *keyboard-configuration*:
 - `apt install -y keyboard-configuration console-setup netcat`
3. Configurar el *keyboard-configuration*: `dpkg-reconfigure keyboard-configuration`
 - Teclat genèric.
 - Spanish → Spanish - Catalan (Spain, with middle-dot L)



Img src: @Aaron & Cristian's Github

4. Instal·lar **Guest Additions** i **SSH**

5. Instal·lar serveis necessaris:

- **bind9** (*Per forwarder i soa*)
- **dhcp** (*Per forwarder*)
- **nmap**
- **net-tools**
- **procps**
- **iproute2**
- **bind-utils**
- **apache2** (*Per SOA*)
- **wazuh** (*Per forwarder*)

... entre altres

Bibliografia

- <https://ubuntu.com/download/server>
- <https://ubuntu.com/tutorials/install-ubuntu-server#1-overview>
- <https://ubuntu.com/server>
- <https://www.redeszone.net/tutoriales/servidores/ubuntu-server-instalacion-configuracion/>
- <https://vivaubuntu.com/instalar-ubuntu-server-20-04-lts/>