

Projecte ASIX 2k22

Escola Del Treball

2HISX 2021-2022

Aaron Andal & Cristian Condolo

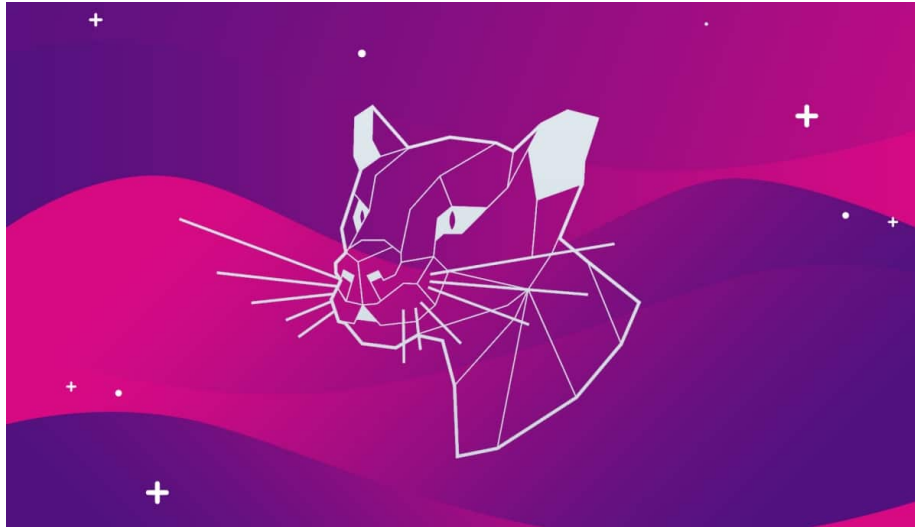
CryptoSEC: “*Careful where you step in*”



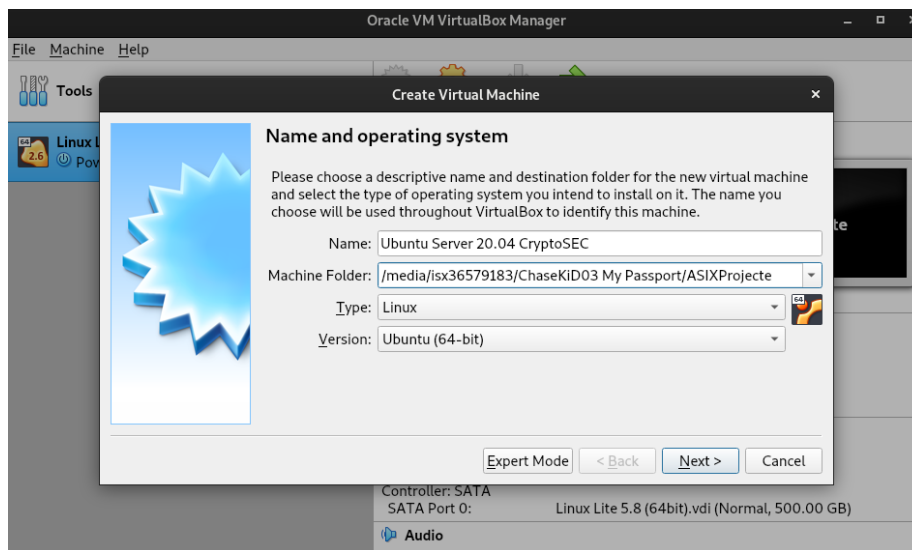
Index

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

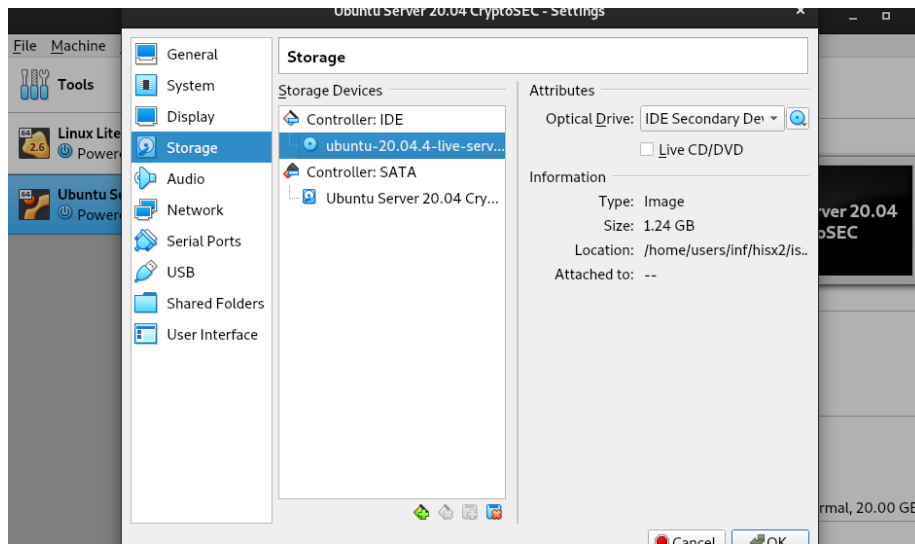
Instal·lació Ubuntu Server 20.04



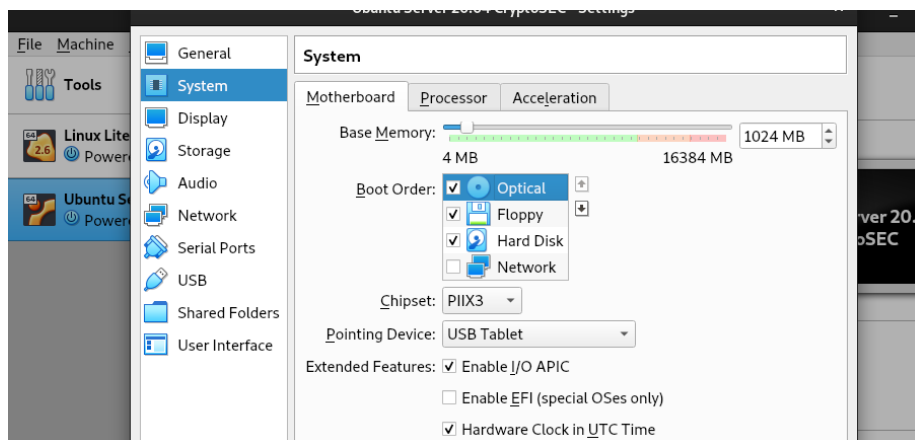
1. Descarregar-nos la ISO de Ubuntu Server 20.04 LTS: downloadISO
2. Obrir VirtualBOX -> New -> Name -> Memòria 1024M -> Create virtual Hard Disk Now -> VDI 70GB -> Dynamic size.



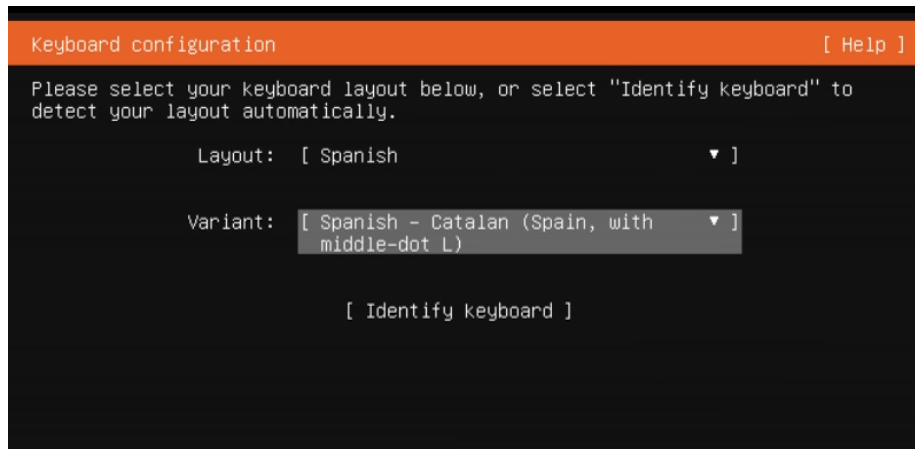
2. Afegim el disk ISO manualment.



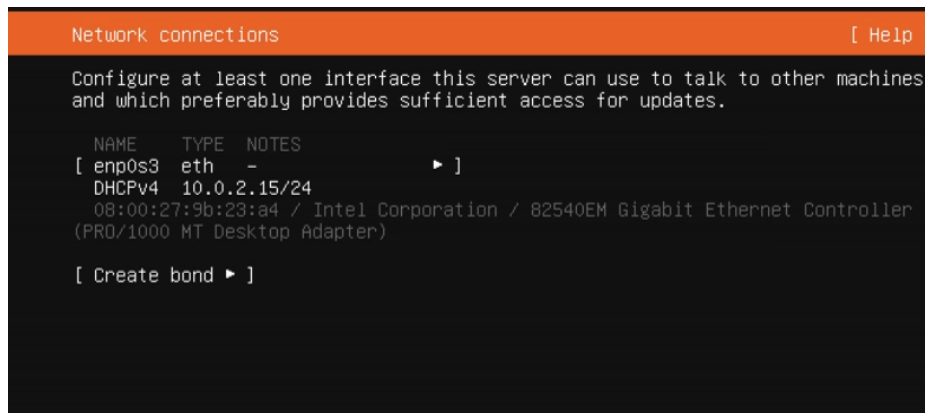
3. Canviar l'ordre d'arrencada.



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



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



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

Storage configuration [Help]

FILE SYSTEM SUMMARY

MOUNT POINT	SIZE	TYPE	DEVICE	TYPE
[/	10.000G	new ext4	new LVM logical volume	▶]
[/boot	1.500G	new ext4	new partition of local disk	▶]

AVAILABLE DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	18.496G ▶]
free space		8.496G ▶

[Create software RAID (md) ▶]

[Create volume group (LVM) ▶]

USED DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	18.496G ▶]
ubuntu-lv new, to be formatted as ext4, mounted at /		10.000G ▶
[VBOX_HARDDISK_VB2fcc1068-6bd2f090	local disk	20.000G ▶]
partition 1 new, BIOS grub spacer		1.000M ▶
partition 2 new, to be formatted as ext4, mounted at /boot		1.500G ▶
partition 3 new, PV of LVM volume group ubuntu-vg		18.497G ▶

[Done]

[Reset]

[Back]

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: cryptosec

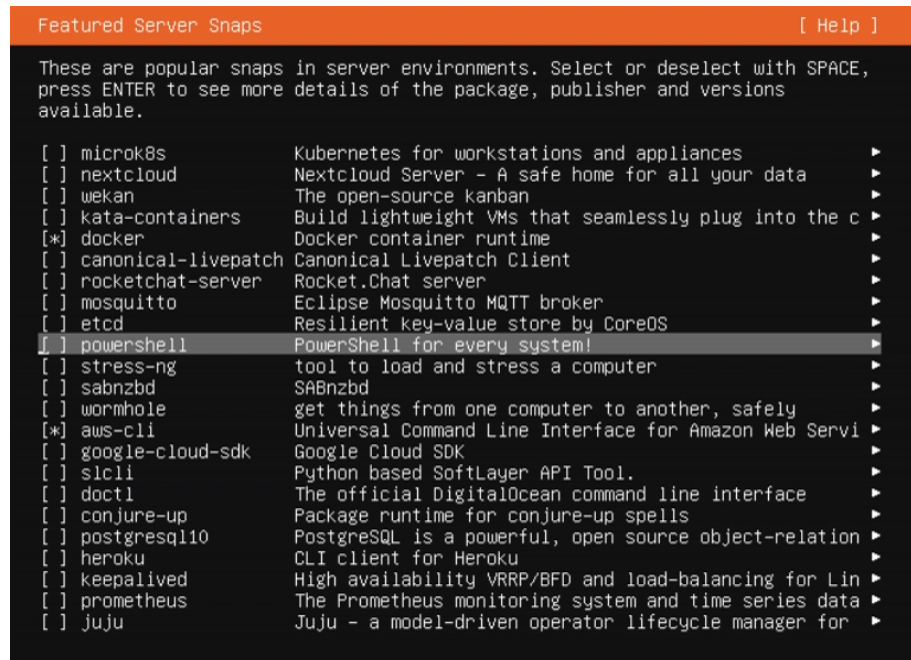
Your server's name: cryptosec
The name it uses when it talks to other computers.

Pick a username: cryptosec

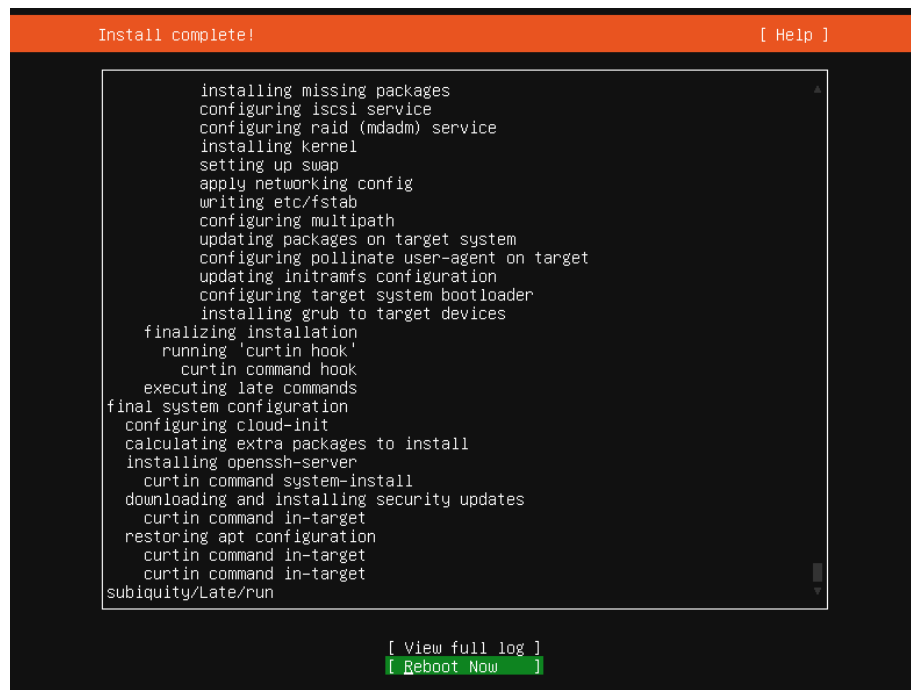
Choose a password: ****

Confirm your password:

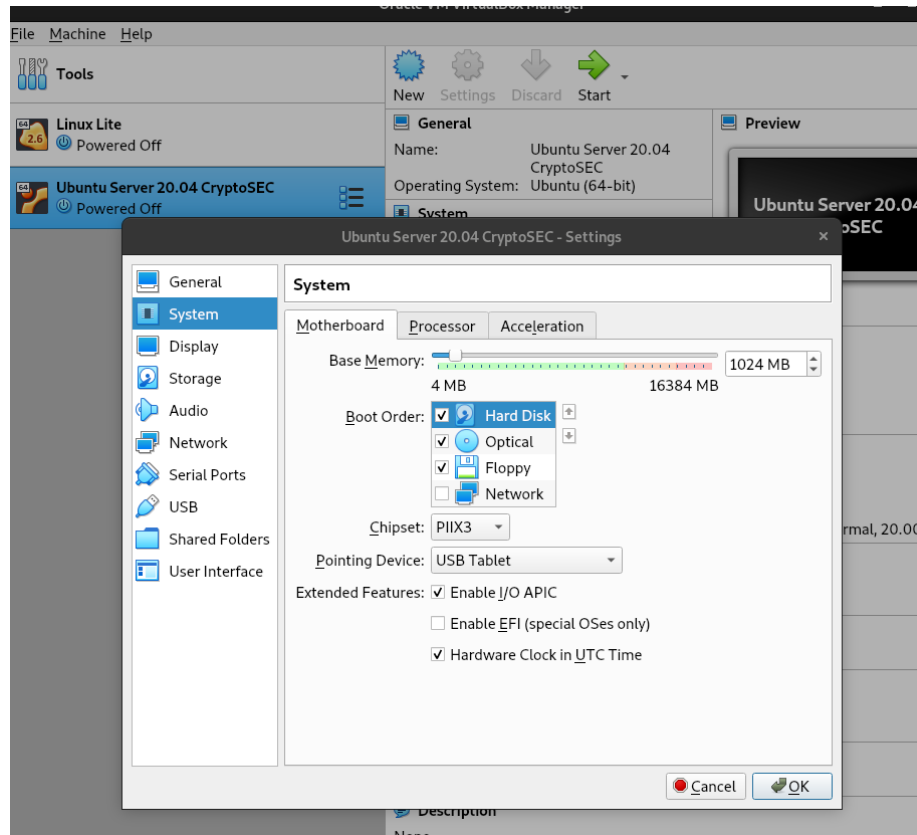
8. Seleccionem alguns repositoris que ens interessin com *docker* o *aws-cli*.



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

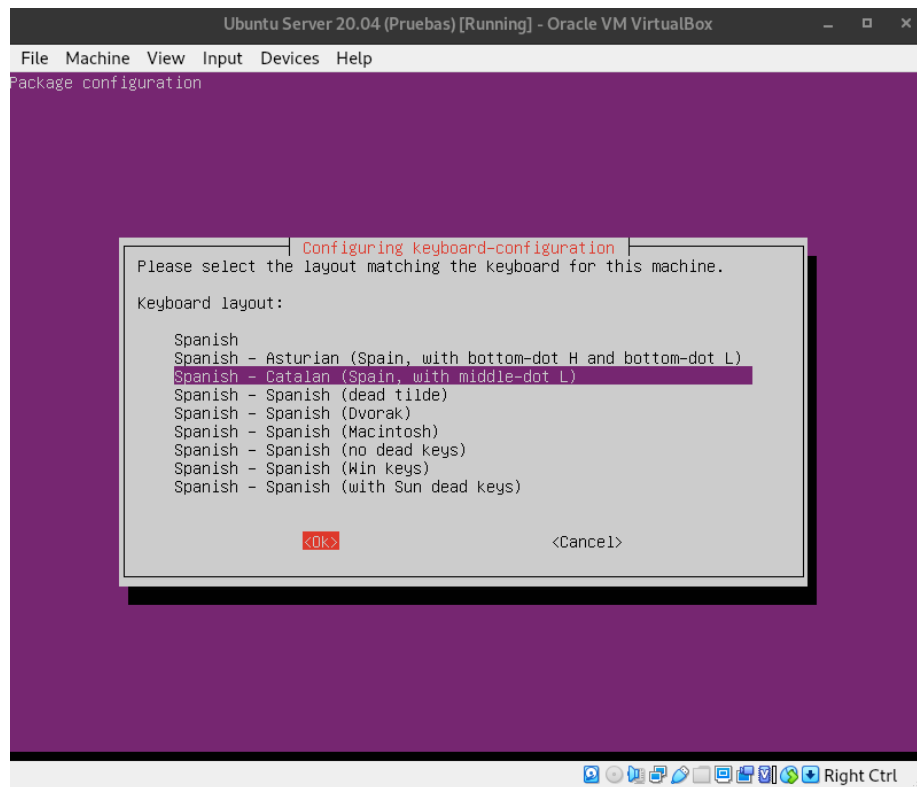


10. Rebotar i treure la disc ISO. Canviar l'arrencada.



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)



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/>