

ASI

Configuração

Infraestrutura TI

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Requisitos técnicos

Windows / Linux / MacOS 32 ou 64 bits

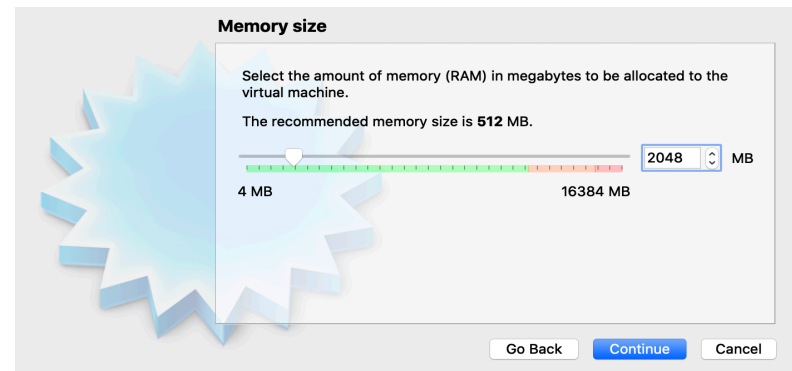
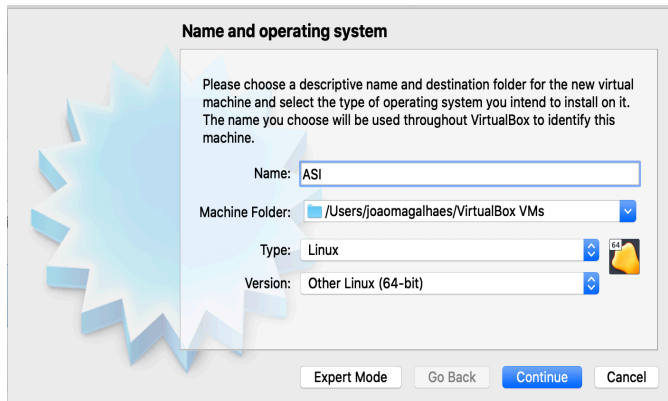
Ambiente de virtualização (sugere-se virtualBox última versão) instalado

Criação de Máquina Virtual (VM)

1. CentOS 8.2 64 bits minimal install

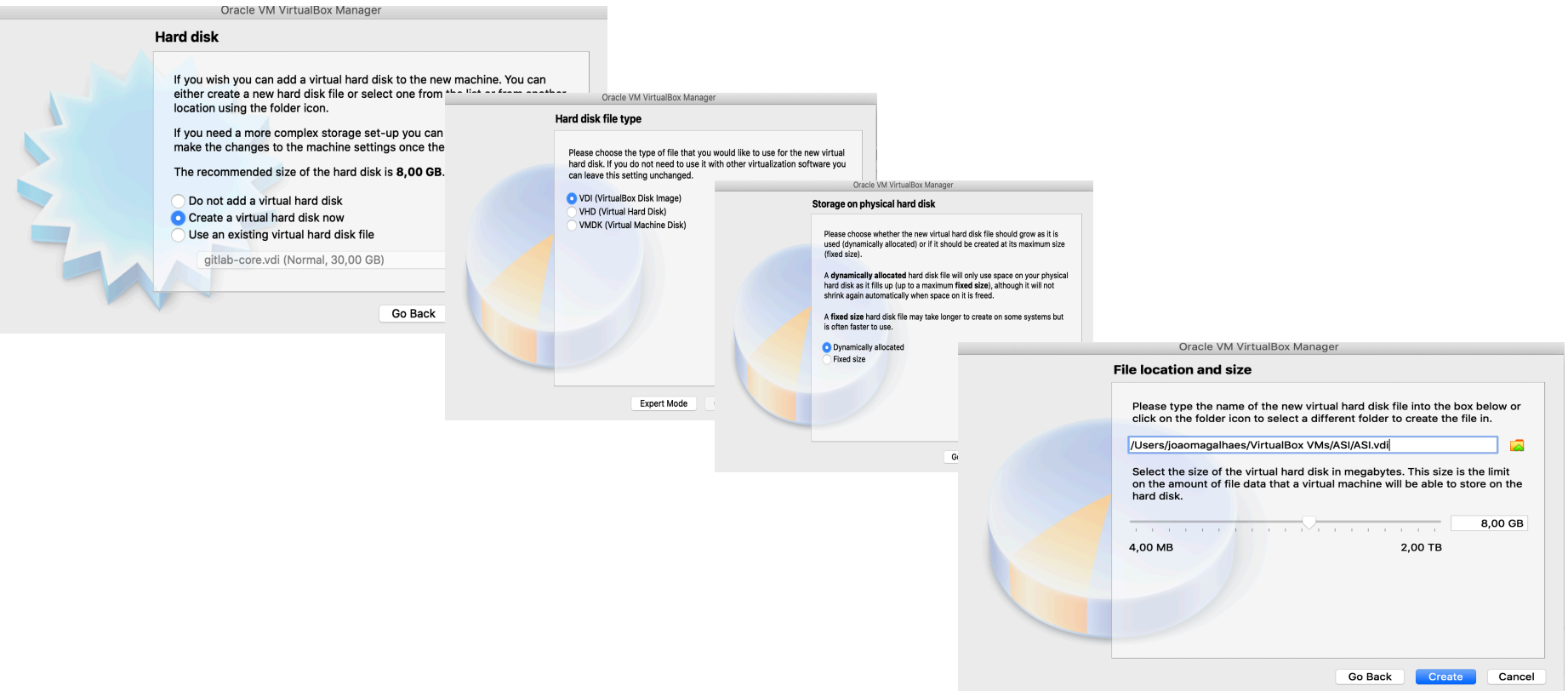
- Download: http://centos.mirror.ptisp.pt/centos/8.2.2004/isos/x86_64/CentOS-8.2.2004-x86_64-minimal.iso

2. Criar VM no VirtualBox (2GB de RAM com 8GB de disco)



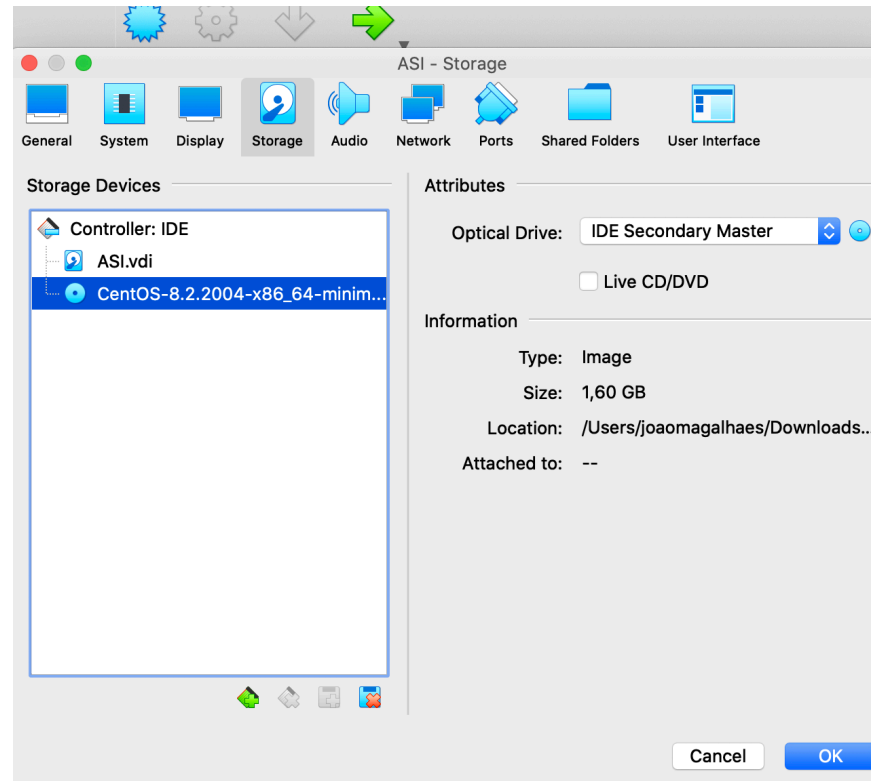
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Instalação do CentOS na VM

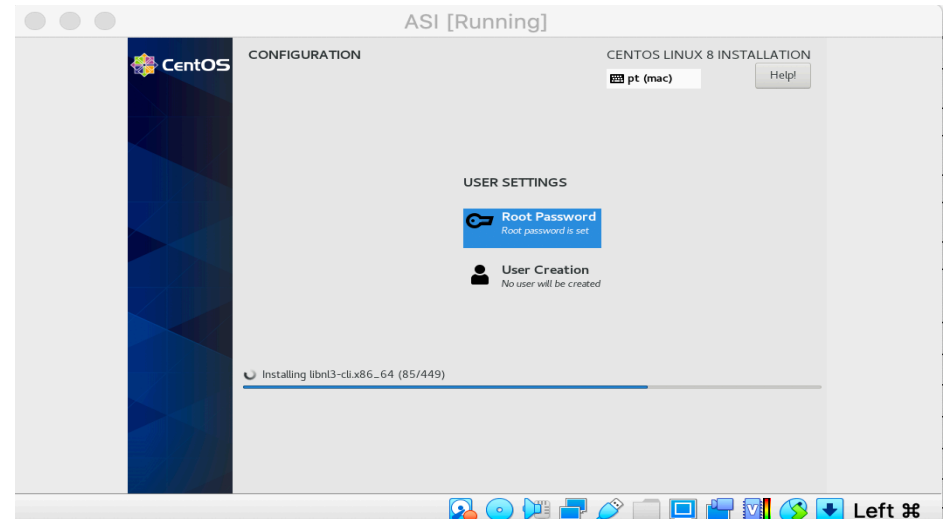
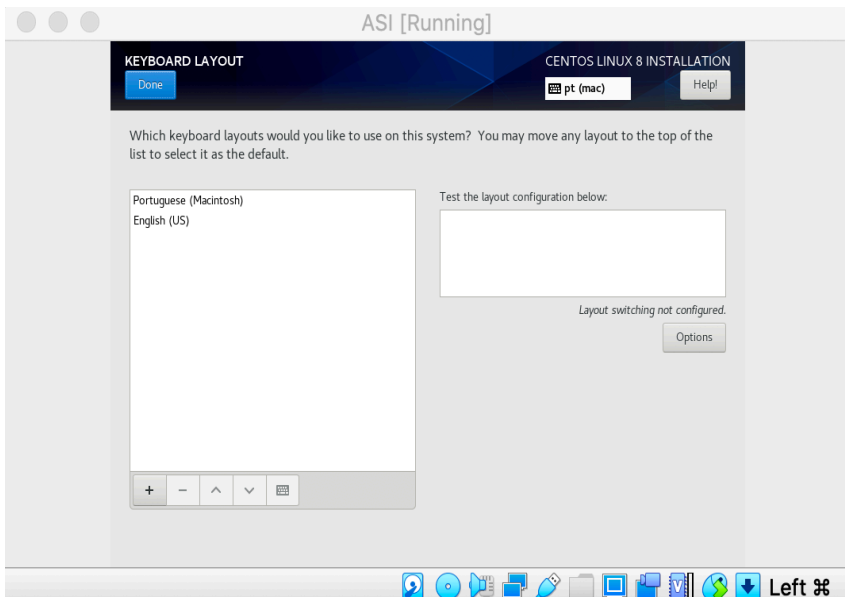
3. Inserir ISO no leitor CD da VM no VirtualBox e fazer Start à VM para instalar



Instalação do CentOS na VM

4. Instalar CentOS

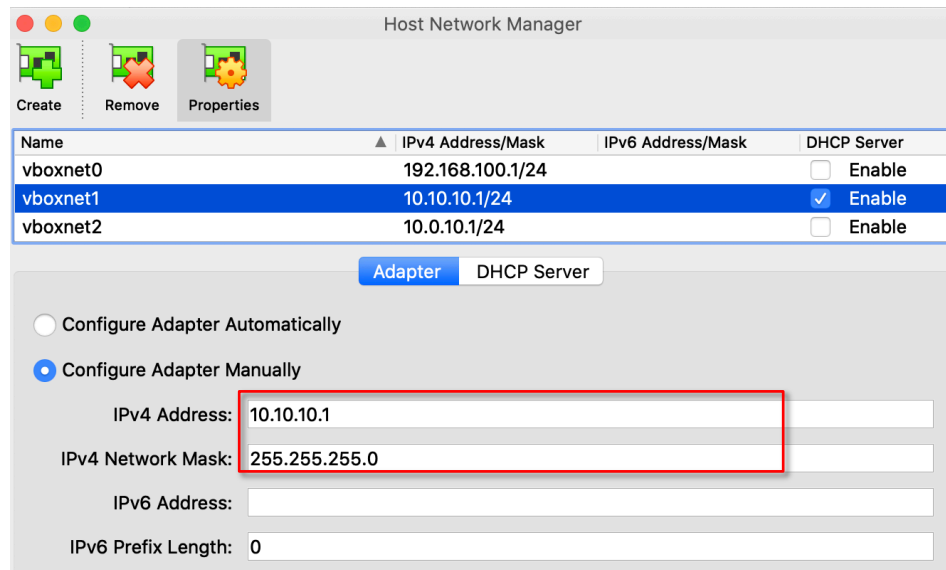
- Atenção ao teclado e definir uma password para o utilizador root (e.g. asi2020)



Rede host hospedeiro

5. Abrir virtualBox em modo “Administrator” (Run As Administrator)

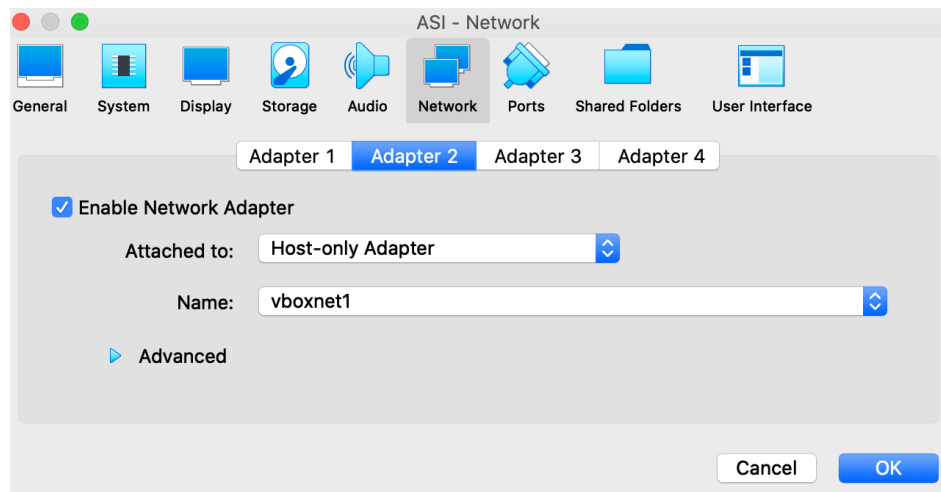
5.1. Criar um interface de rede (IP: 10.10.10.1, Network Mask: 255.255.255.0)



Setup Rede nas VM

6. Fazer “Settings” sobre a VM importada

- Tab “Network”
 - Tab “Adpater 2”
 - Ativar a placa de rede em modo “Host-only Adapter”
 - Indicar no “Name” o nome do adaptador de rede criado no passo 1
 - Fazer “OK”



Iniciar VM e finalizar configuração rede

7. Fazer “Start” à VM

7.1. Login na consola com user / password (e.g. root / asi2020)

ifconfig

```
[root@localhost ~]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    ether 08:00:27:6c:51:a0 txqueuelen 1000 (Ethernet)
    RX packets 7 bytes 1777 (1.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 10 bytes 1288 (1.2 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    ether 08:00:27:b1:53:ef txqueuelen 1000 (Ethernet)
    RX packets 27 bytes 4671 (4.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 272 bytes 23664 (23.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 272 bytes 23664 (23.1 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@localhost ~]#
```

Iniciar VM e finalizar configuração rede

7.2. Editar ficheiro ifcfg-enp0s8 no diretório /etc/sysconfig/network-scripts) e colocar o seguinte conteúdo

```
[root@localhost ~]# cd /etc/sysconfig/network-scripts/  
[root@localhost network-scripts]# nano ifcfg-enp0s8 _
```

```
TYPE=Ethernet  
PROXY_METHOD=none  
BROWSER_ONLY=no  
BOOTPROTO=none  
DEFROUTE=no  
IPV4_FAILURE_FATAL=no  
IPV6_INIT=yes  
IPV6_AUTOCONF=yes  
IPV6_DEFROUTE=yes  
IPV6_FAILURE_FATAL=no  
IPV6_ADDR_GEN_MODE=stable-privacy  
NAME=enp0s8  
UUID=  
DEVICE=enp0s8  
ONBOOT=yes  
IPADDR=10.10.10.10  
PREFIX=24
```

IP: 10.10.10.10

7.3. Ativar o interface de rede (ifup enp0s8)

```
[root@localhost network-scripts]# ifup enp0s8  
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/4)  
[root@localhost network-scripts]# _
```

Iniciar VM e finalizar configuração rede

7.4. Ajustar o ficheiro ifcfg-enp0s3 no diretório /etc/sysconfig/network-scripts) de forma a ficar como o exemplo abaixo

```
TYPE=Ethernet
PROXY_METHOD=none
BROWSER_ONLY=no
BOOTPROTO=dhcp
DEFROUTE=yes
IPV4_FAILURE_FATAL=no
IPV6INIT=yes
IPV6_AUTOCONF=yes
IPV6_DEFROUTE=yes
IPV6_FAILURE_FATAL=no
IPV6_ADDR_GEN_MODE=stable-privacy
NAME=enp0s3
UUID=bdaa7b5b-c5ac-464d-b89f-68a0c20c6bf0
DEVICE=enp0s3
ONBOOT=yes
```

Aceder remotamente à VM via SSH

Login via SSH (a partir da máquina hospedeiro)

- Linux/Mac Terminal
 - ssh [root@10.10.10.10](#)
- Windows (SSH via MobaXterm)
 - 10.10.10.10

Gestão de disco

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