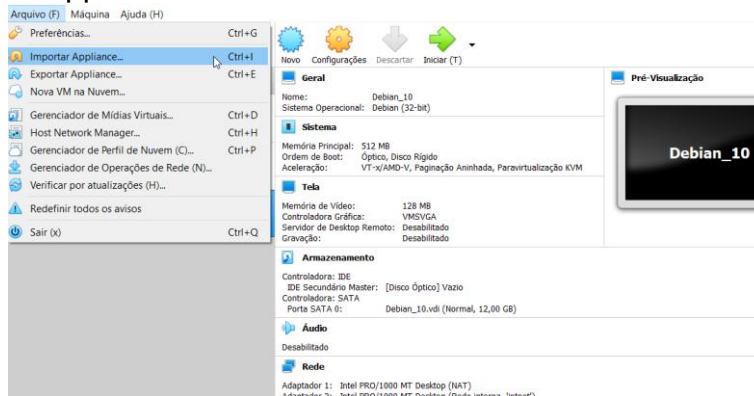


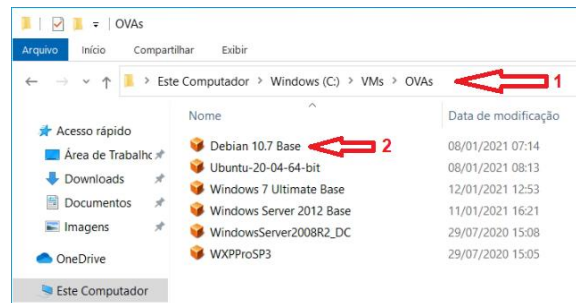
AULA 03A - ROTEIRO DE EXECUÇÃO CENÁRIO 01

Procedimentos:

1. Vamos importar nossa MV através do VirtualBox, Menu Arquivo, Importar Appliance:



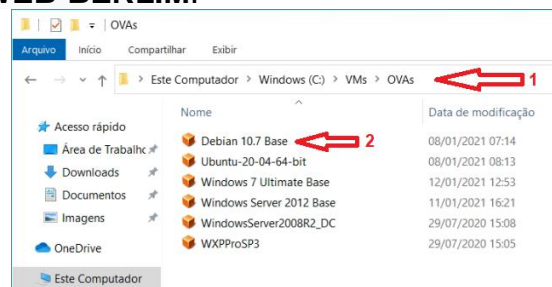
2. Localizar a VM do Debian 10.7 (por padrão o VirtualBox utiliza arquivos ".ova")



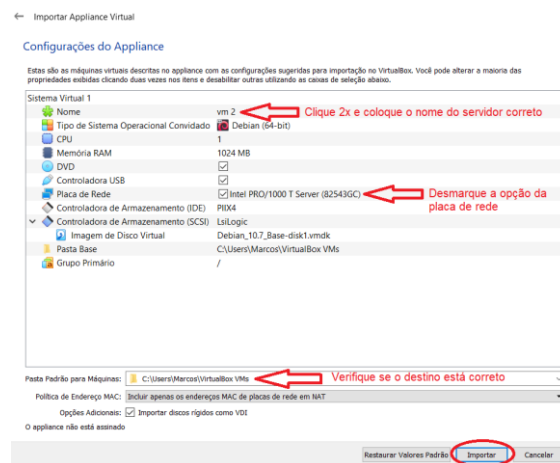
3. Localizar o arquivo nas pastas das MV:



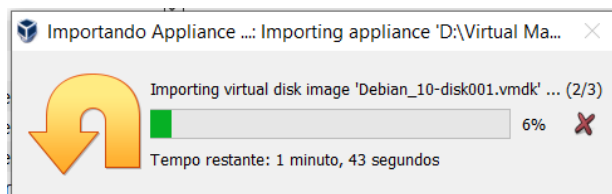
4. Vamos realizar a importação já das 2 MV que serão identificadas por: **SRVWEB-BERLIM:**



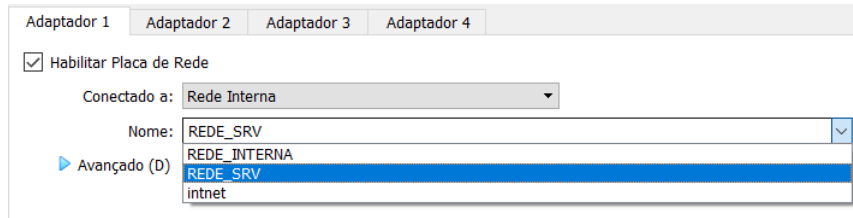
5. Será mostrado uma tela com o resumo da MV, clique no botão “**Importar**”.



6. Será mostrado o avanço da importação, aguardar o final:



7. Verifique como está configurada sua placa de rede, você deve selecionar na rede correta:



8. **[BERLIM]** Acertar o nome da MV importada, para **SRVFW-BERLIM**:

```
root@debian:~# hostnamectl set-hostname SRVFW-BERLIM_
```

9. **[BERLIM]** Configurar as placas de rede, conforme arquivo abaixo:

#vi /etc/network/interfaces

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see the man page of iproute2.

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto enp0s3
iface enp0s3 inet dhcp

# The second network interface
auto enp0s8
iface enp0s8 inet static
    address 10.10.0.6
    netmask 255.255.255.248

# The third network interface
auto enp0s9
iface enp0s9 inet static
    address 172.31.0.254
    netmask 255.255.255.0
```

10. **[BERLIM]** Verificar configurações de rede:

```
root@debian:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default
    link/ether 08:00:27:8a:99:de brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic enp0s3
        valid_lft 85949sec preferred_lft 85949sec
    inet6 fe80::a00:27ff:fe8a:99de/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default
    link/ether 08:00:27:b7:e1:e8 brd ff:ff:ff:ff:ff:ff
    inet 172.31.0.10/24 brd 172.31.0.255 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:feb7:e1e8/64 scope link
        valid_lft forever preferred_lft forever
4: enp0s9: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default
    link/ether 08:00:27:f5:03:05 brd ff:ff:ff:ff:ff:ff
    inet 10.10.0.6/29 brd 10.10.0.7 scope global enp0s9
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fef5:305/64 scope link tentative
        valid_lft forever preferred_lft forever
```

11. **[BERLIM]** Instalando o vim:

```
root@SRVFW-BERLIM:~# apt update
Obter:1 http://security.debian.org/debian-security buster/updates InRelease [65,4 kB]
Atingido:2 http://deb.debian.org/debian buster InRelease
Obter:3 http://deb.debian.org/debian buster-updates InRelease [51,9 kB]
Obter:4 http://security.debian.org/debian-security buster/updates/main Sources [195 kB]
Obter:5 http://security.debian.org/debian-security buster/updates/main amd64 Packages [2
Baixados 610 kB em 1s (458 kB/s)
Lendo listas de pacotes... Pronto
Construindo árvore de dependências
Lendo informação de estado... Pronto
58 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@SRVFW-BERLIM:~# apt upgrade
```

```
root@SRVFW-BERLIM:~# apt install vim -y
```

12. **[BERLIM]** Editar o arquivo de configuração, removendo o comentário da linha 26 e acrescentando na linha abaixo a numeração automática:

```
root@SRVFW-BERLIM:~# vi /etc/vim/vimrc_
```

```
18
19 " Uncomment the next line to make Vim more Vi-compatible
20 " NOTE: debian.vim sets 'nocompatible'. Setting 'compatible' changes numerous
21 " options, so any other options should be set AFTER setting 'compatible'.
22 "set compatible
23
24 " Vim5 and later versions support syntax highlighting. Uncommenting the next
25 " line enables syntax highlighting by default.
26 syntax on
27 set number
28
29 " If using a dark background within the editing area and syntax highlighting
30 " turn on this option as well
31 "set background=dark
```

13. **[BERLIM]** Fazer a instalação do ssh para o servidor ser acessado remotamente:

```
root@SRVFW-BERLIM:~# apt install openssh-server -y _
```

14. **[BERLIM]** Pelas melhores práticas, vamos fazer cópia de todos os arquivos originais de configuração:

```
root@SRVFW-BERLIM:~# cp /etc/ssh/sshd_config /etc/ssh/original.sshd_config
```

15. **[BERLIM]** Acrescentar no arquivo de configuração permissão para o grupo de ti:

```
root@SRVFW-BERLIM:~# vi /etc/ssh/sshd_config
```

```
86 UsePAM yes
87
88 AllowGroups ti
89 #AllowAgentForwarding yes
90 #AllowTcpForwarding yes
91 #GatewayPorts no
92 X11Forwarding yes
```

16. **[BERLIM]** Reiniciar o serviço de SSH no servidor e verificar se o serviço está operacional:

```
root@SRVFW-BERLIM:~# systemctl restart sshd.service
```

```
root@SRVFW-BERLIM:~# systemctl status sshd.service
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2021-07-23 13:38:27 -03; 10s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Process: 18871 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
  Main PID: 18872 (sshd)
    Tasks: 1 (limit: 1149)
   Memory: 1.1M
   CGroup: /system.slice/ssh.service
           └─18872 /usr/sbin/sshd -D

jul 23 13:38:27 SRVFW-BERLIM systemd[1]: Starting OpenBSD Secure Shell server...
jul 23 13:38:27 SRVFW-BERLIM sshd[18872]: Server listening on 0.0.0.0 port 22.
jul 23 13:38:27 SRVFW-BERLIM sshd[18872]: Server listening on :: port 22.
jul 23 13:38:27 SRVFW-BERLIM systemd[1]: Started OpenBSD Secure Shell server.
```

17. **[BERLIM]** Adicionando usuários com a senha padrão: 123456

```
#adduser Fernanda
#adduser sara
#adduser fernando
#adduser paulo
#adduser priscila
#adduser diego
#adduser vinicius
#adduser rodrigo
```

18. **[BERLIM]** Verificando usuários no sistema

```
#cat /etc/passwd
```

19. **[BERLIM]** Adicionando grupos

```
#addgroup rh
#addgroup financeiro
#addgroup vendas
#addgroup ti
```

20. **[BERLIM]** Adicionando usuários aos grupos

```
#usermod -a -G rh fernanda
#usermod -a -G rh sara
#usermod -a -G financeiro fernando
#usermod -a -G financeiro paulo
#usermod -a -G vendas priscila
#usermod -a -G vendas diego
#usermod -a -G ti vinicius
#usermod -a -G ti rodrigo
```

21. **[BERLIM]** Verificando grupos no sistema

```
#cat /etc/group
```

SETOR	USUÁRIO
Rh	fernanda
Rh	sara
Financeiro	fernando
Financeiro	paulo
Vendas	priscila
Vendas	diego
Ti	vinicius
Ti	rodrigo