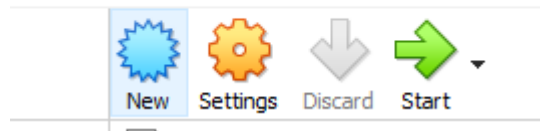


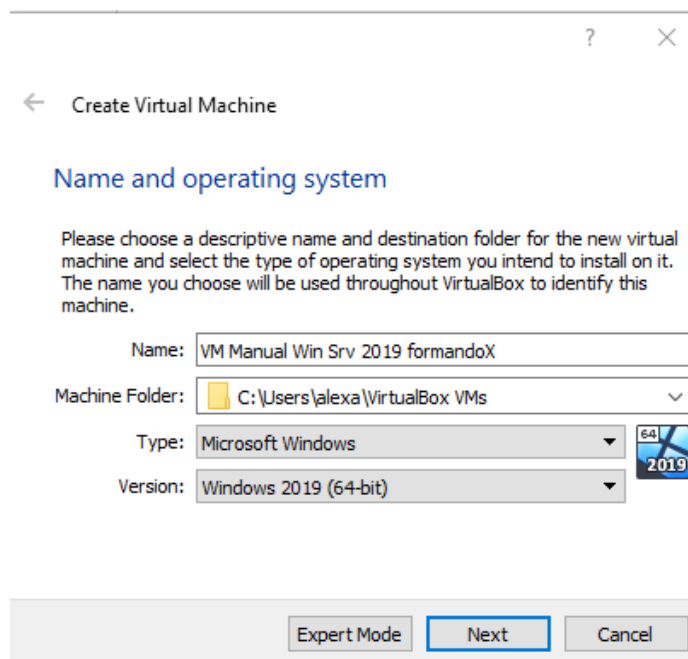
Tire um Print por cada alínea, de modo a demonstrar a realização das seguintes tarefas:

(entregue no formato .PDF)

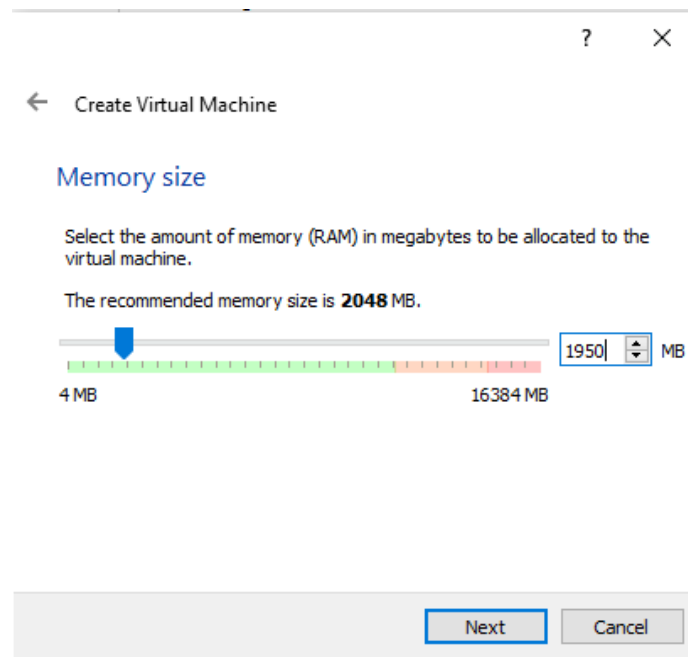
1. No Virtualbox prepare uma máquina virtual de modo que seja instalado o Windows server 2019.



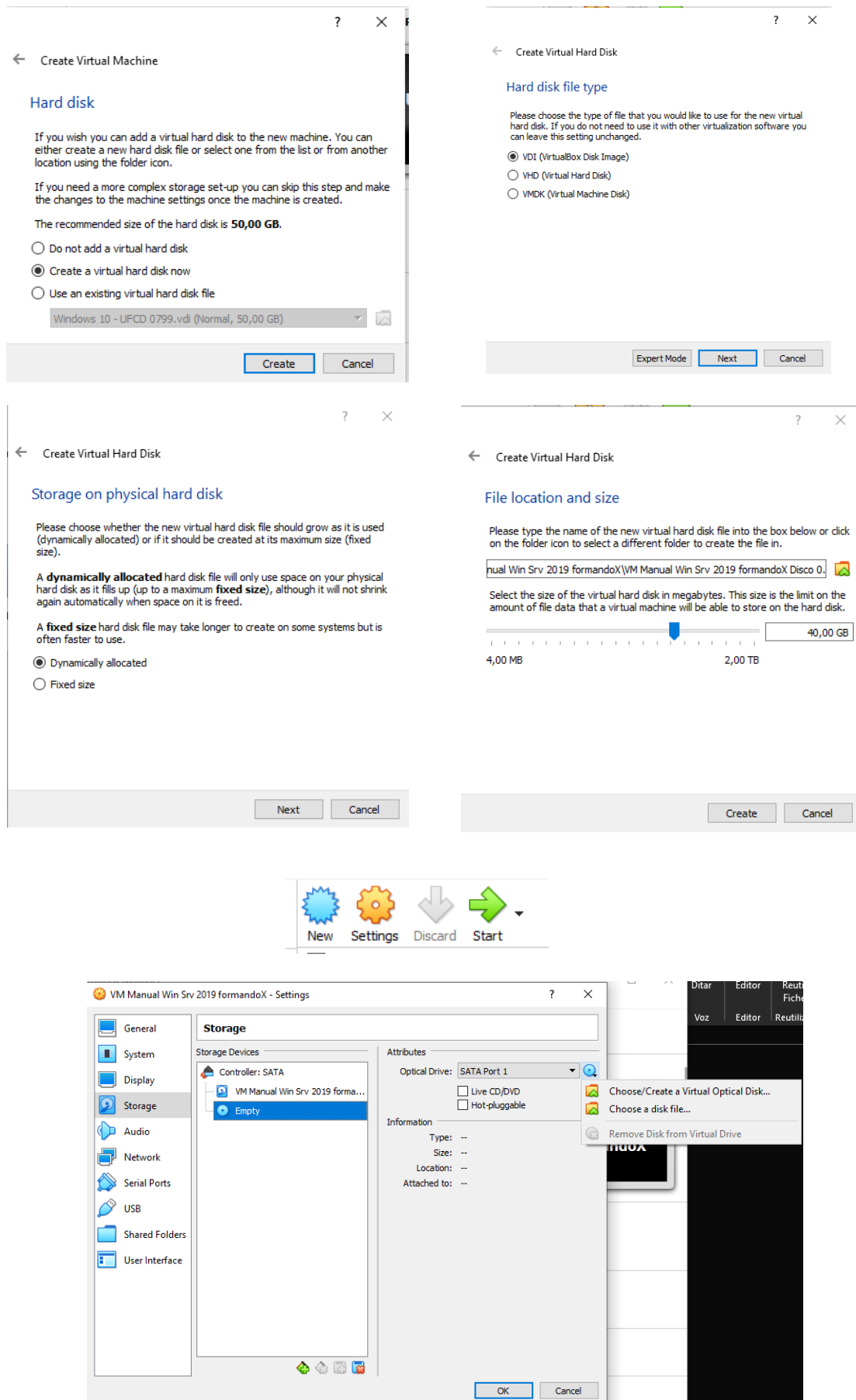
- a. Nome da VM – “VM Manual Win Srv 2019 formandoX”

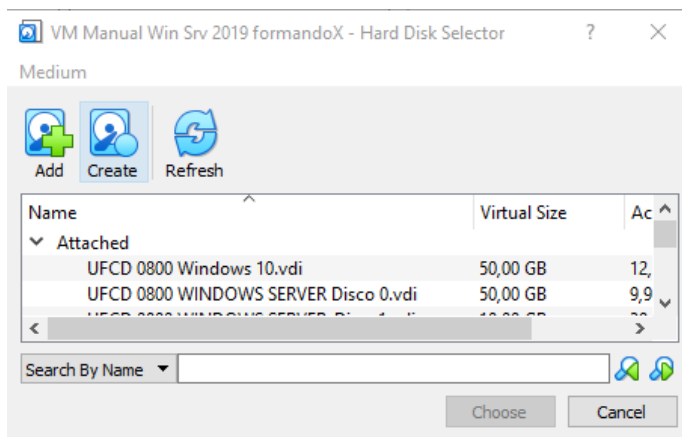
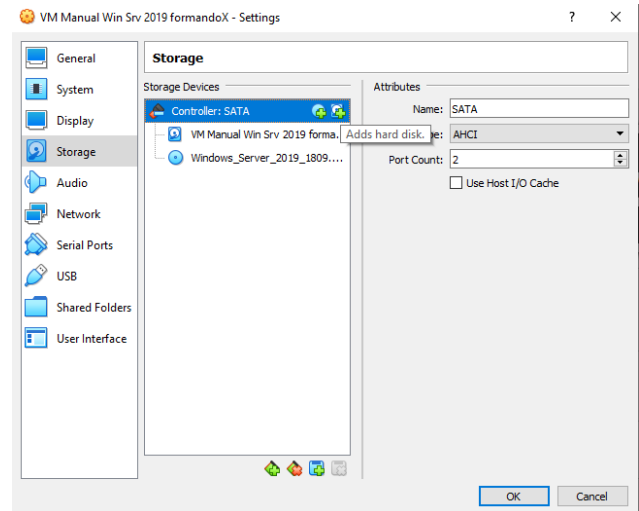
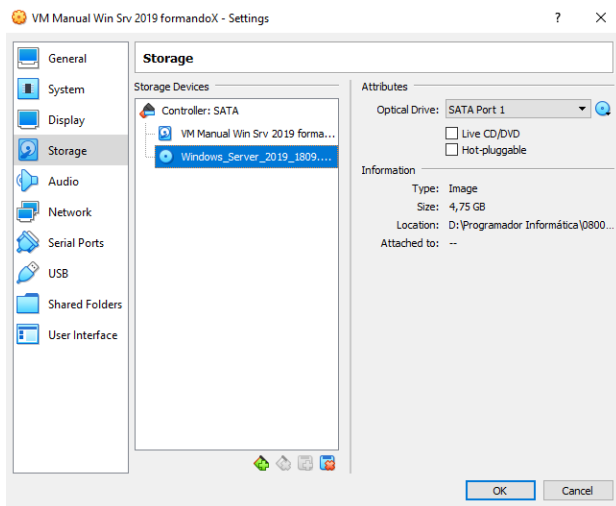


- b. Memoria Ram- 1950MB



- c. Disco Rígido Virtual – Instalar o S.O. num disco de 40GB, Dinâmico. Adicione mais um disco de 10GB.





Hard disk file type

Please choose the type of file that you hard disk. If you do not need to use it can leave this setting unchanged.

- ☒ VDI (VirtualBox Disk Image)
- ☐ VHD (Virtual Hard Disk)
- ☐ VMDK (Virtual Machine Disk)

A **fixed size** hard disk file m often faster to use.

- ☒ Dynamically allocated
- ☐ Fixed size

← Create Virtual Hard Disk

File location and size

Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

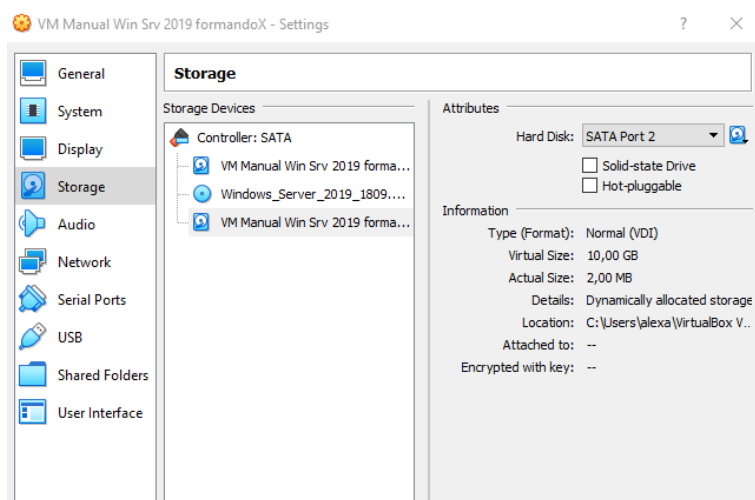
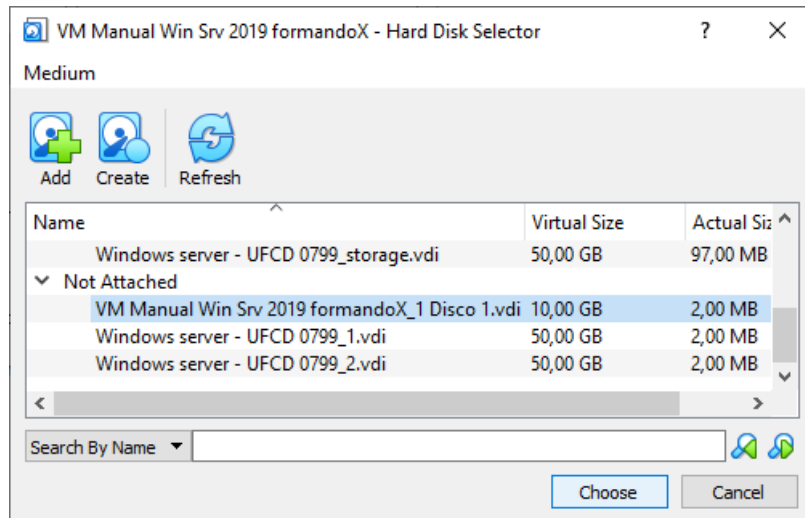
al Win Srv 2019 formandoX\VM Manual Win Srv 2019 formandoX_1 Disco 1\

Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.

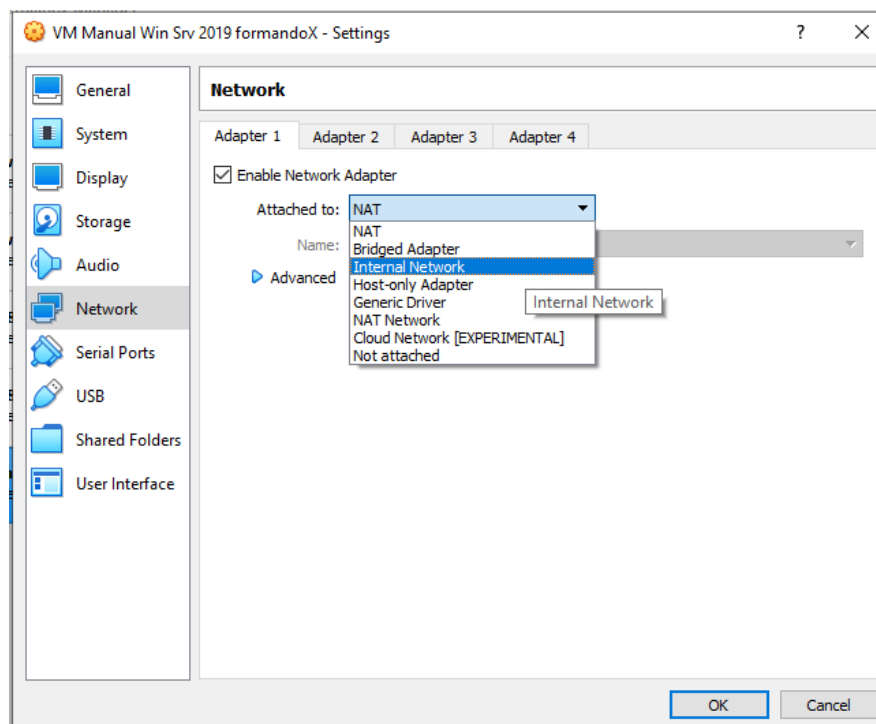
4,00 MB 2,00 TB 10,00 GB

Create

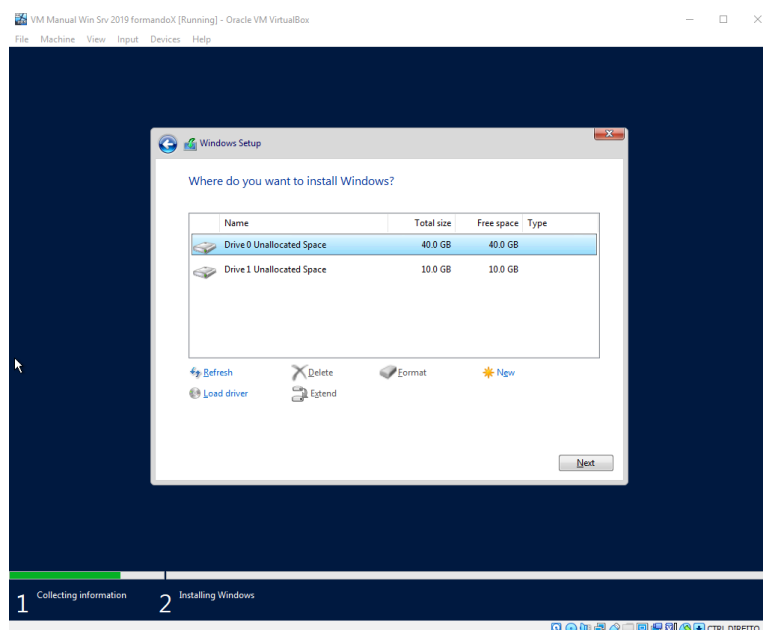
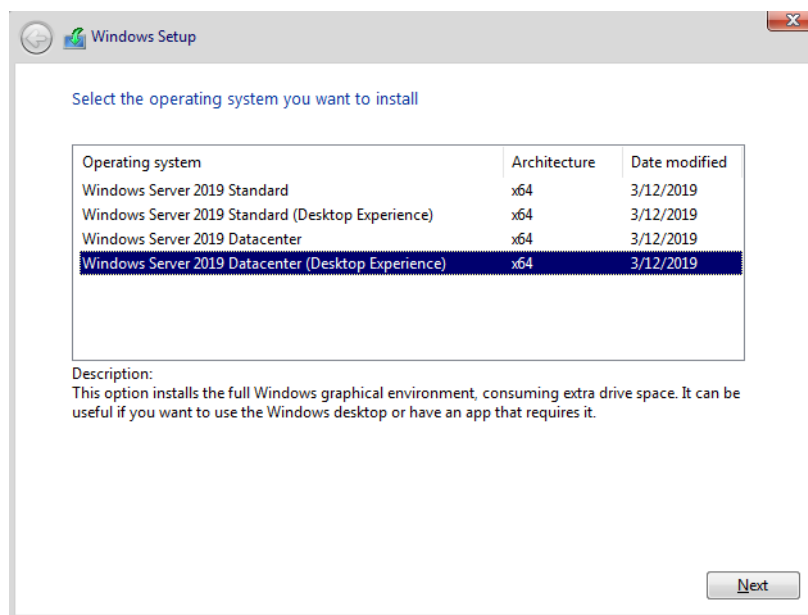
Cancel



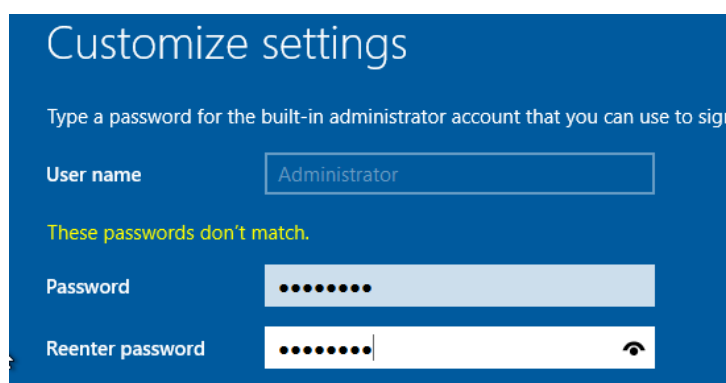
d. Placa de Rede – Internal



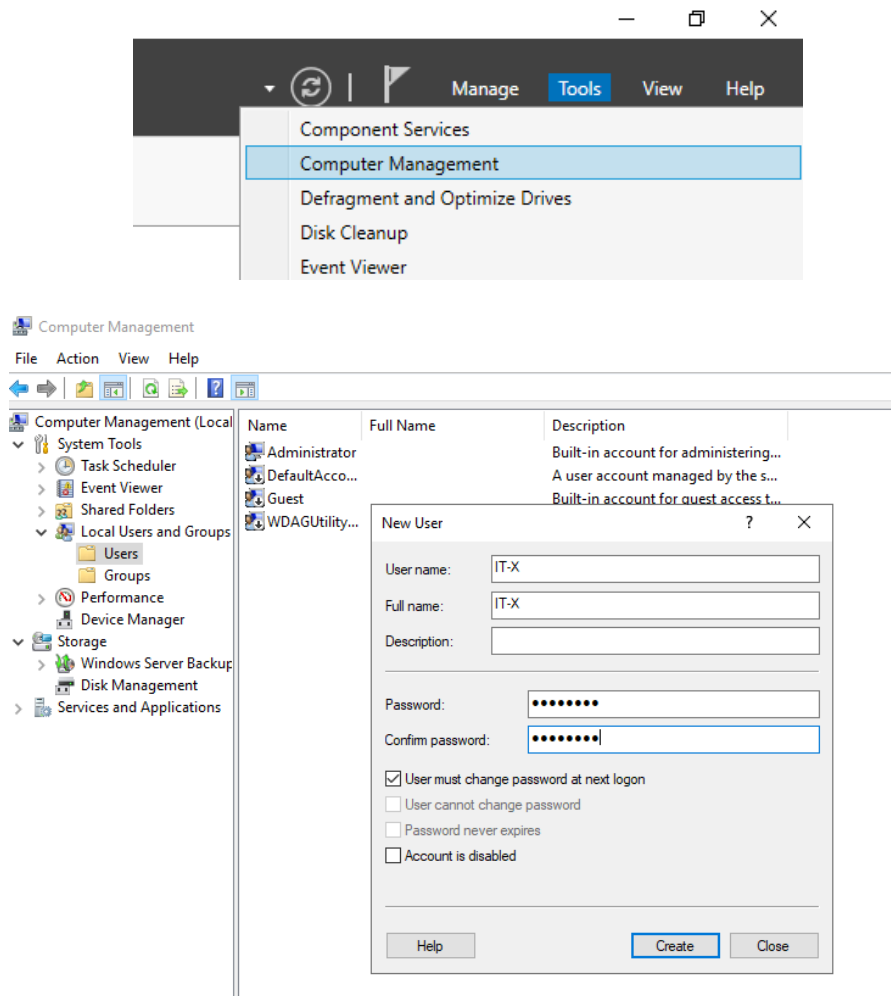
2. Durante a instalação escolha a versão Datacenter desktop experience.



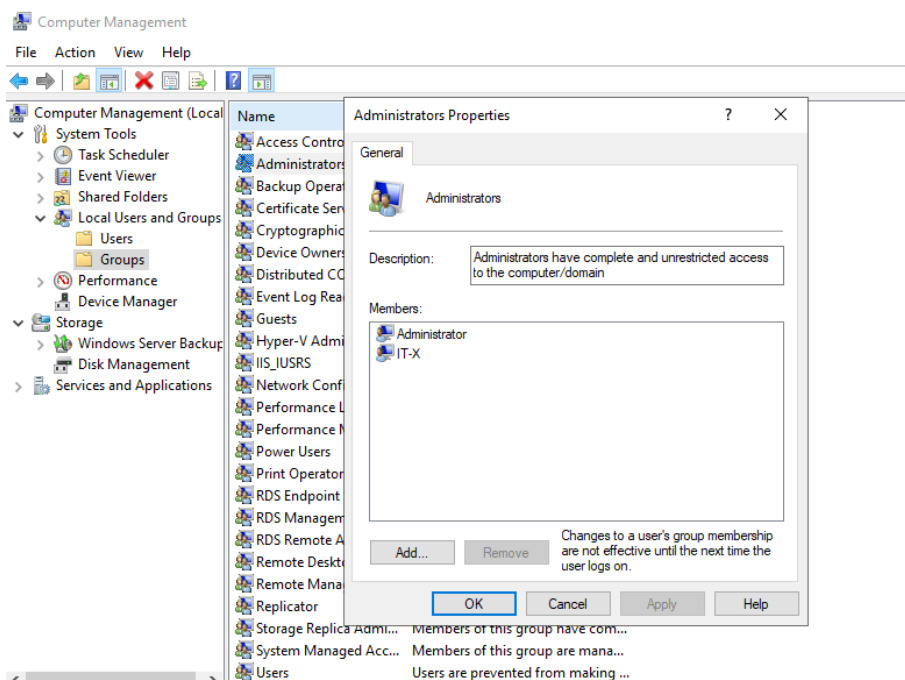
3. A password Qwerty12 (**Não é necessário Print**)



4. Crie um utilizador Local com o nome IT-X, obrigue o utilizador a alterar a password no próximo login.



5. De permissões de administrador ao utilizador IT-X

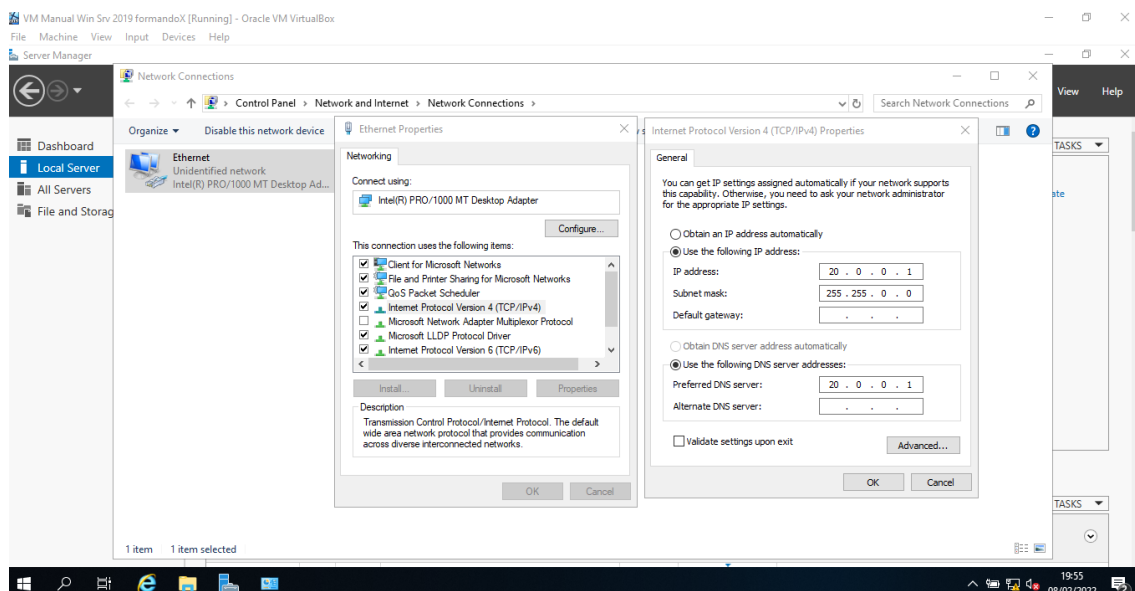


6. Altere o nome do computador para SRVApelido. Ex:srvsilva

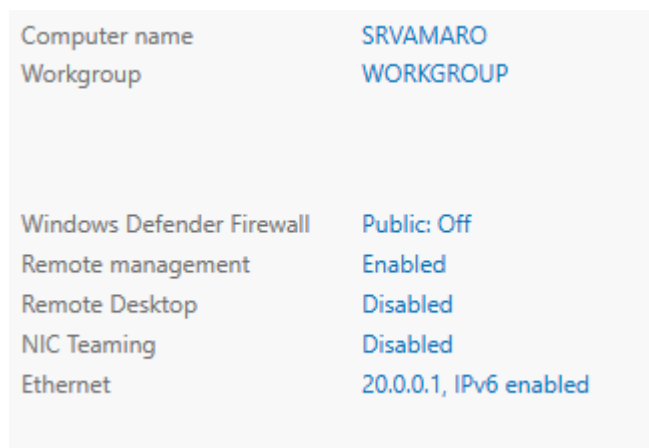


7. Altere as configurações de TCP/IP para o seguinte:

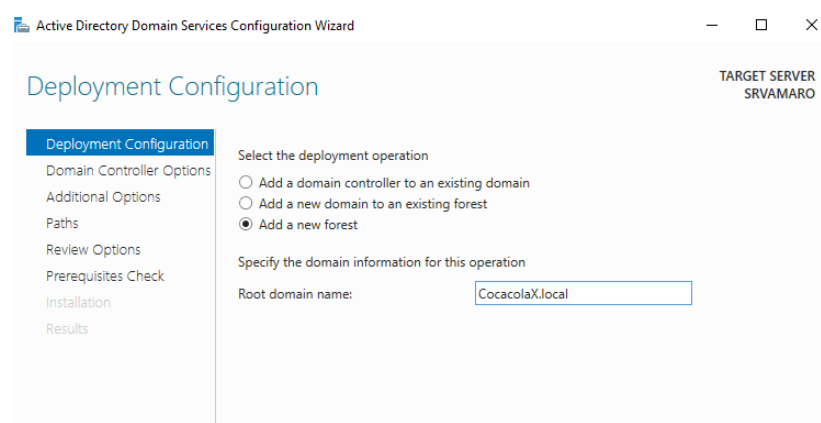
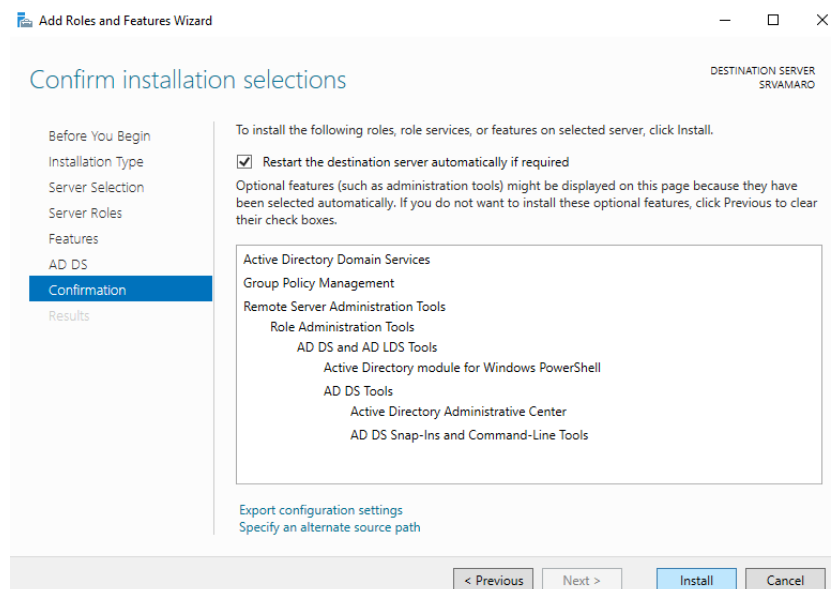
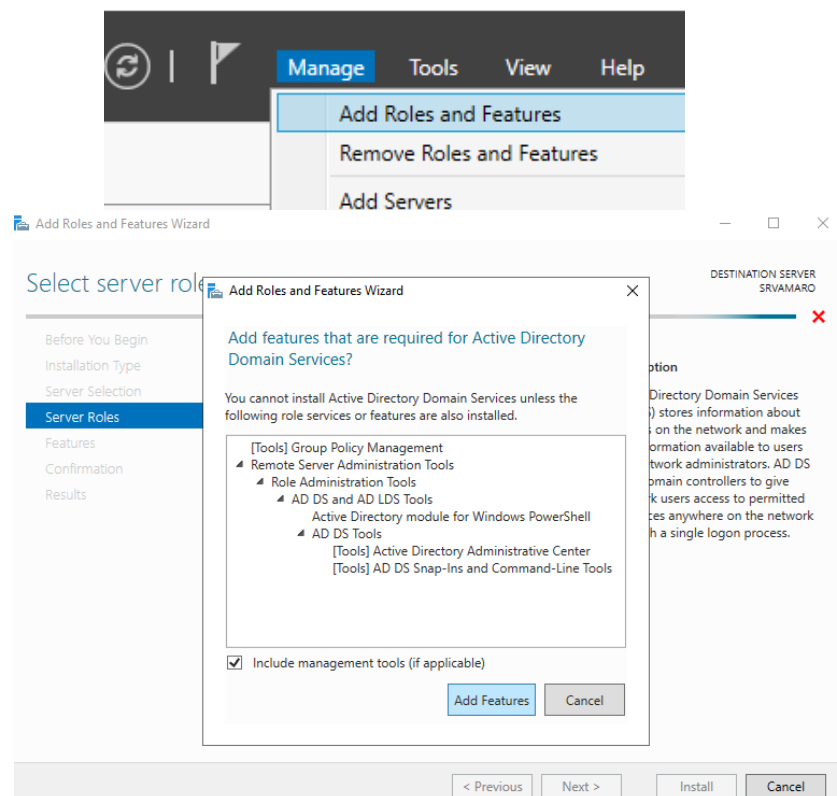
Endereço IP	20.0.0.1
Mascara de Rede	255.255.0.0
DNS	20.0.0.1



8. Desligue a firewall do Windows Server



9. Promova o servidor a controlador de Domínio, de modo a que seja criado o domínio CocacolaX.local



a. Escolha como nível funcional do domínio e da floresta Windows Server 2012

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' window. The title bar includes the Windows logo and the text 'Active Directory Domain Services Configuration Wizard'. The window has a standard Windows interface with minimize, maximize, and close buttons. The main content area is titled 'Domain Controller Options'. On the left, there is a navigation pane with the following items: 'Deployment Configuration', 'Domain Controller Options' (highlighted in blue), 'DNS Options', 'Additional Options', 'Paths', 'Review Options', 'Prerequisites Check', 'Installation', and 'Results'. The main area contains the following sections: 'Select functional level of the new forest and root domain' with two dropdown menus, both set to 'Windows Server 2012'; 'Specify domain controller capabilities' with three checkboxes: 'Domain Name System (DNS) server' (checked), 'Global Catalog (GC)' (checked), and 'Read only domain controller (RODC)' (unchecked); and 'Type the Directory Services Restore Mode (DSRM) password' with two password fields labeled 'Password:' and 'Confirm password:', both containing masked characters. At the bottom right, there is a link 'More about domain controller options'. The bottom of the window features four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

b. Terá de instalar o DNS

The screenshot shows the 'Active Directory Domain Services Configuration Wizard' window, specifically the 'DNS Options' page. The title bar and window controls are the same as in the previous screenshot. The navigation pane on the left now has 'DNS Options' highlighted in blue. The main content area is titled 'DNS Options'. At the top, there is a yellow warning box with a triangle icon and the text: 'A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found... Show more X'. Below this, the section 'Specify DNS delegation options' contains a single checkbox labeled 'Create DNS delegation', which is currently unchecked. At the bottom right, there is a link 'More about DNS delegation'. The bottom of the window features the same four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'.

c. Password de Restauo é a Habitual usada na formação

d. Netbios name – BebeCCX

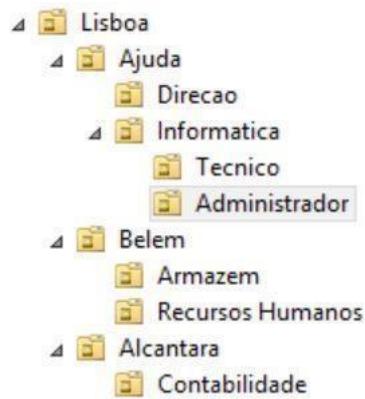
The screenshot shows the 'Additional Options' page of the 'Active Directory Domain Services Configuration Wizard'. The window title is 'Active Directory Domain Services Configuration Wizard'. On the left, a navigation pane lists the steps: Deployment Configuration, Domain Controller Options, DNS Options, **Additional Options** (selected), Paths, Review Options, Prerequisites Check, Installation, and Results. The main area is titled 'Additional Options' and contains the text 'Verify the NetBIOS name assigned to the domain and change it if necessary'. Below this, it says 'The NetBIOS domain name:' followed by a text box containing 'BebeCCX'. In the top right corner, it says 'TARGET SERVER SRVAmoro'. At the bottom, there are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'. A link 'More about additional options' is also present.

e. Restantes opções com os caminhos pré-definidos

The screenshot shows the 'Server Manager' console. The title bar says 'Server Manager'. Below it, a breadcrumb navigation shows 'Server Manager > Local Server'. On the left, a navigation pane lists: Dashboard, **Local Server** (selected), All Servers, AD DS, DNS, and File and Storage Services. The main area is titled 'PROPERTIES For SRVAmoro'. It displays the following information:

Computer name	SRVAmoro
Domain	CocacolaX.local
Windows Defender Firewall	Public: Off
Remote management	Enabled
Remote Desktop	Disabled
NIC Teaming	Disabled
Ethernet	20.0.0.1, IPv6 enabled

10. Crie a seguinte estrutura de unidades organizacionais no Active directory.



VM Manual Win Srv 2019 formandoX [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Server Manager

Server Manager ▸ Local Server

Dashboard

Local Server

All Servers

AD DS

DNS

File and Storage Services ▸

PROPERTIES For SRVAmoro

Computer name SRVAmoro

Domain CocacolaXlocal

Last installed updates Windows Update

Last checked for updates

Windows Defender Firewall Public: Off

Remote management Enabled

Remote Desktop Disabled

NIC Teaming Disabled

Ethernet 20.0.0.1, IPv6 enabled

Windows Defender Antivirus Feedback & Diagnostics

IE Enhanced Security Configuration Time zone

Product ID

Operating system version Microsoft Windows Server 2019 Datacenter

Hardware information innotek GmbH VirtualBox

Processors Installed memory (RAM)

Total disk space

EVENTS All events | 49 total

Filter

Active Directory Users and Computers

File Action View Help

Active Directory Users and Com

Saved Queries

CocacolaXlocal

Belem

Armazem

Recursos Humanos

Alcantara

Contabilidade

Delegate Control...

Find...

Change Domain...

Change Domain Controller...

Raise domain functional level...

Operations Masters...

New

All Tasks

View

Refresh

Export List...

Properties

Help

Computer

Contact

Group

InetOrgPerson

msDS-ShadowPrincipalContainer

msImaging-PSPs

MSMQ Queue Alias

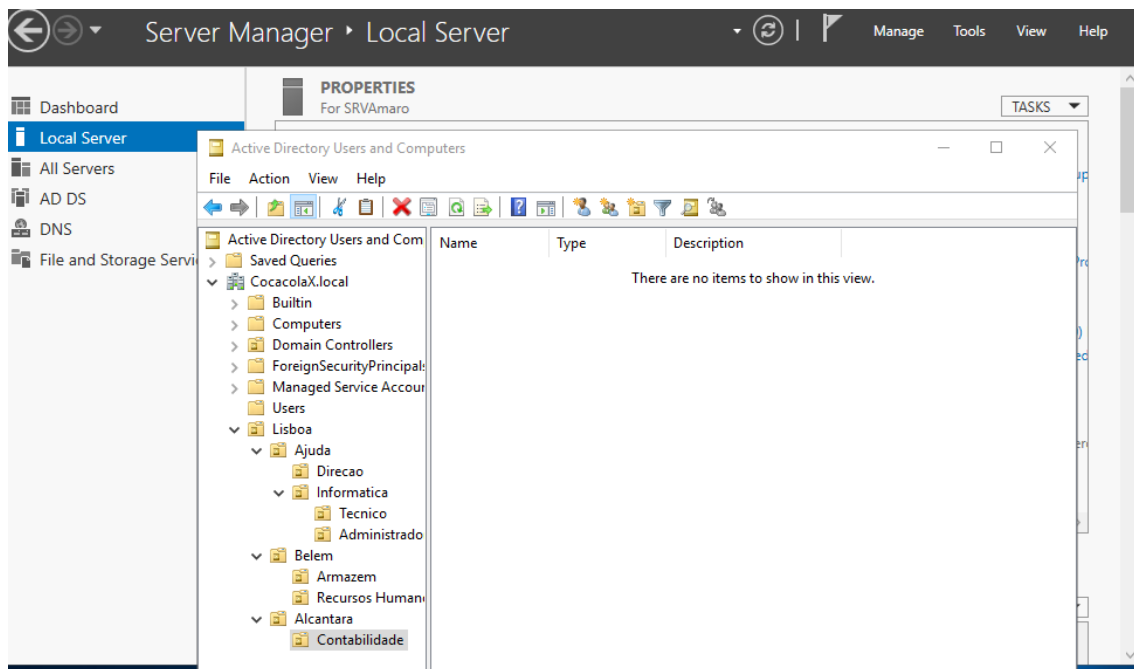
Organizational Unit

Printer

User

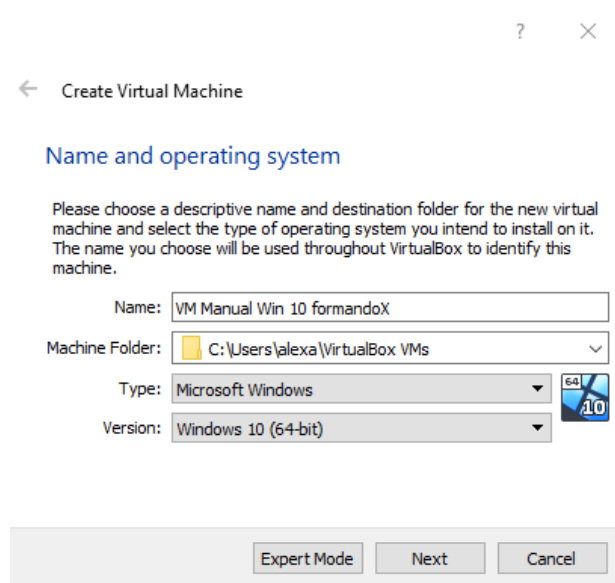
Shared Folder

Create a new object...



11. No Virtualbox prepare uma máquina virtual de modo que seja instalado o Windows 10 Education.

a. Nome da VM – “VM Manual Win 10 formandoX”



b. Memoria Ram- 2000MB

Memory size

Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended memory size is **2048 MB**.



- c. Disco Rígido Virtual – Instalar o S.O. num disco de 30GB, Dinâmico.


Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.

If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard disk is **50,00 GB**.

- ☐ Do not add a virtual hard disk
- ☒ Create a virtual hard disk now
- ☐ Use an existing virtual hard disk file


Windows 10 - UFCD 0799.vdi (Normal, 50,00 GB) 

Create

Cancel

File location and size

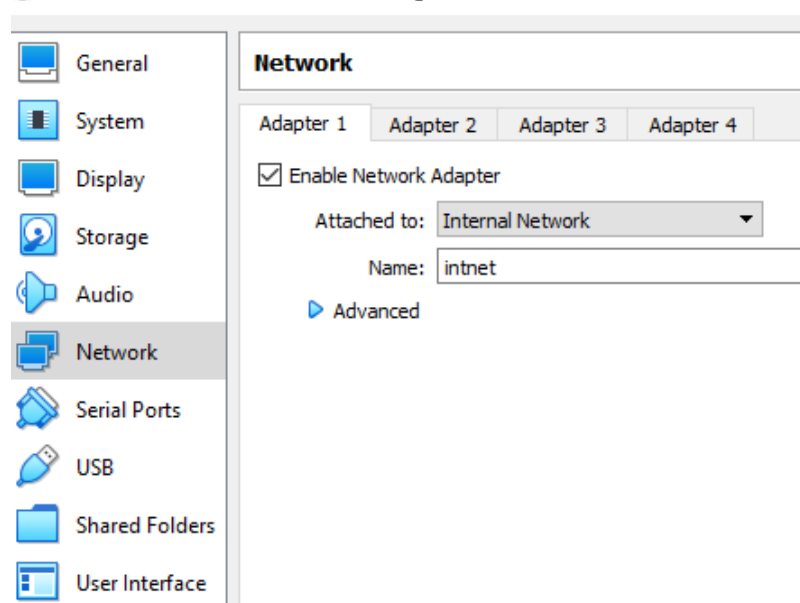
Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

alBox VMs\VM Manual Win 10 formandoX\VM Manual Win 10 formandoX.vdi 

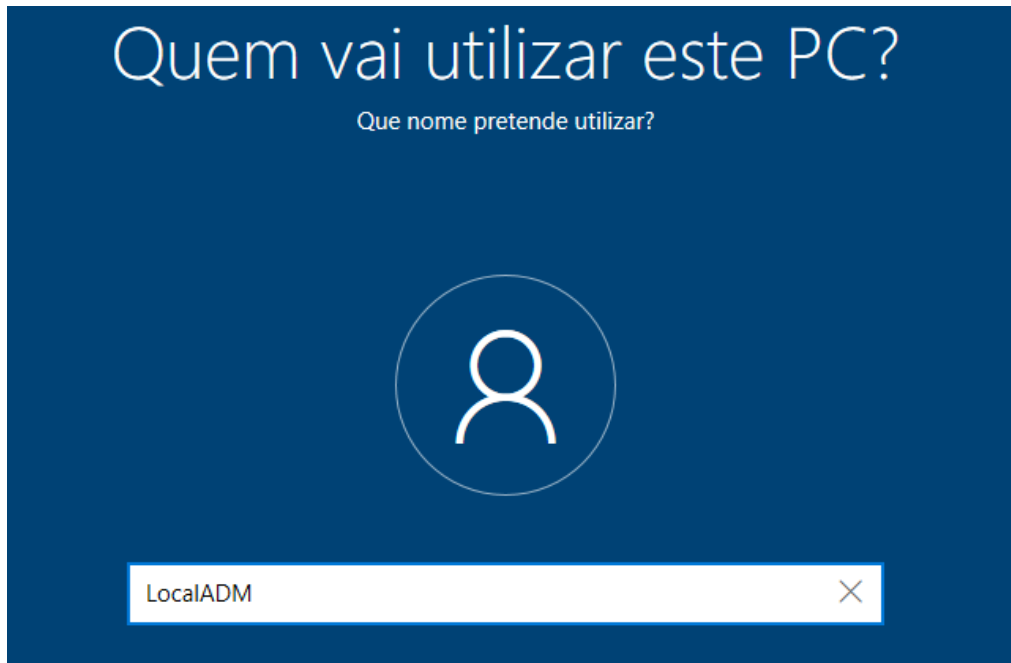
Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.

4,00 MB  2,00 TB 30,00 GB

- d. Placa de Rede – Internal

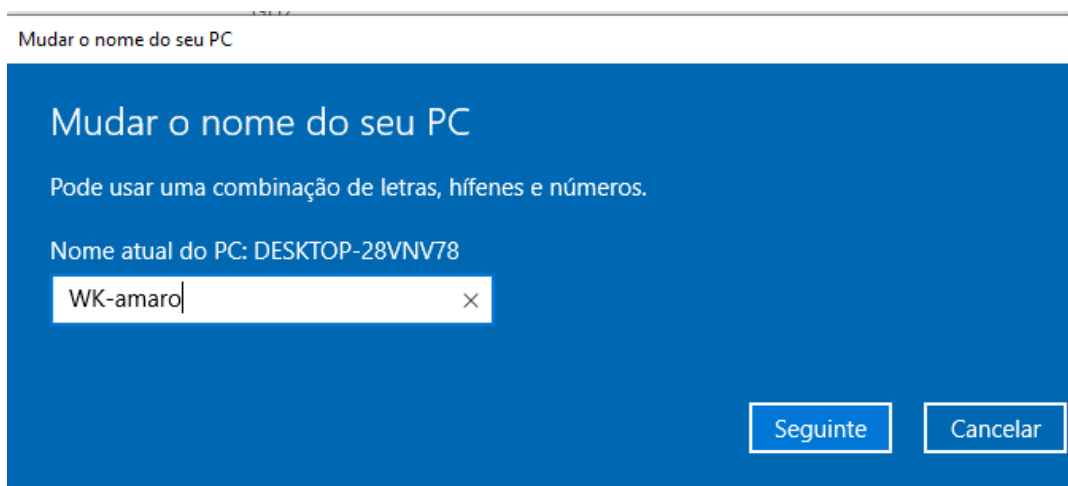


12. Durante a instalação crie um utilizador com o nome LocalADM



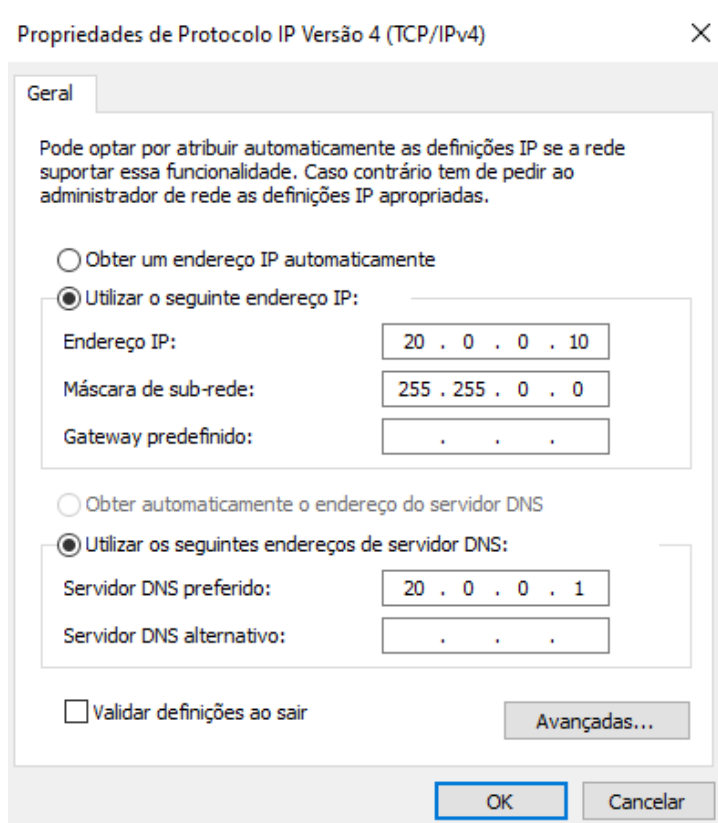
13. Password é a habitual, todas as outras opções durante a instalação ficam ao seu critério. (**Não é necessário Print**)

14. Altere o nome do computador para WS-Apelido. Ex:WK-silva

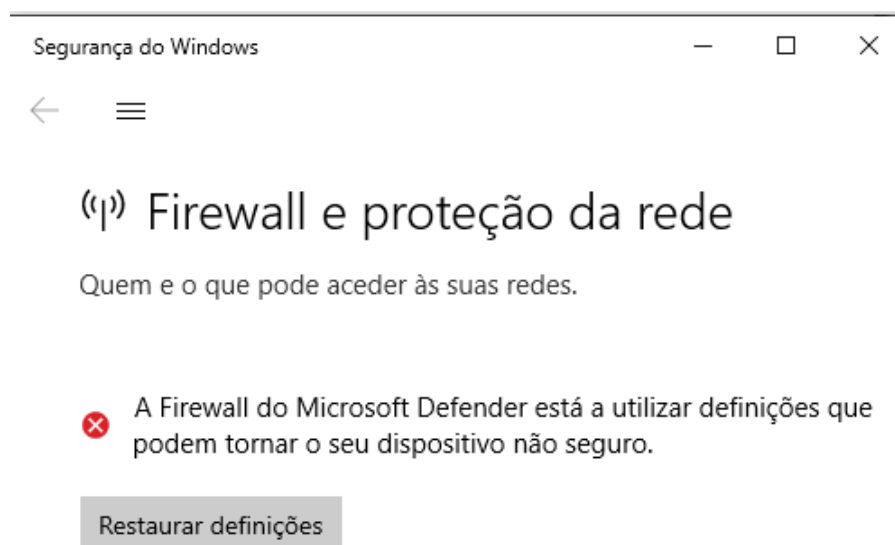


15. Altere as configurações de TCP/IP para o seguinte:

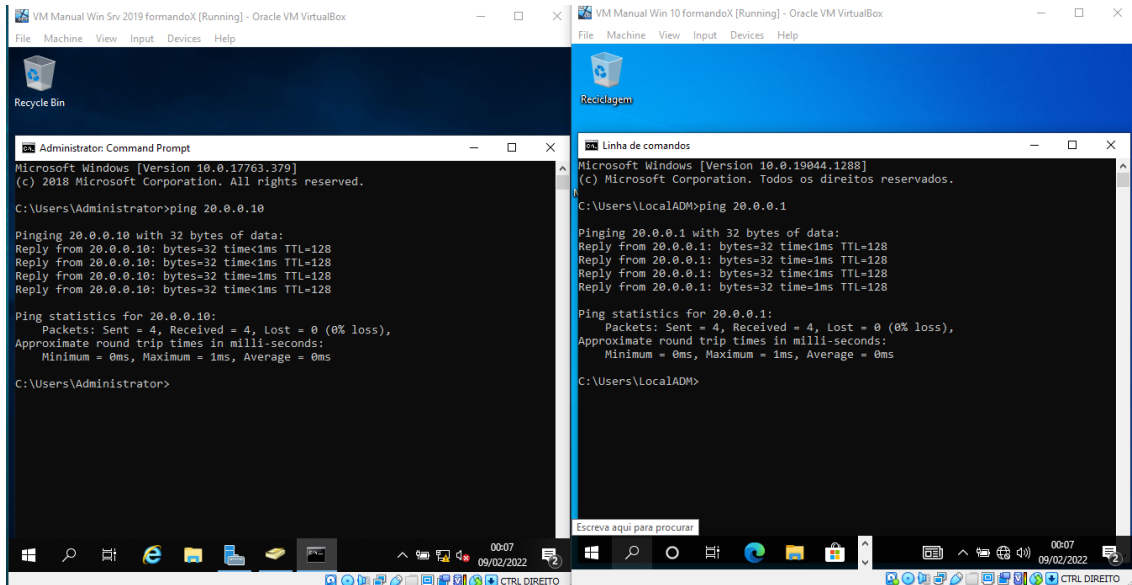
Endereço IP	20.0.0.10
Mascara de Rede	255.255.0.0
DNS	20.0.0.1



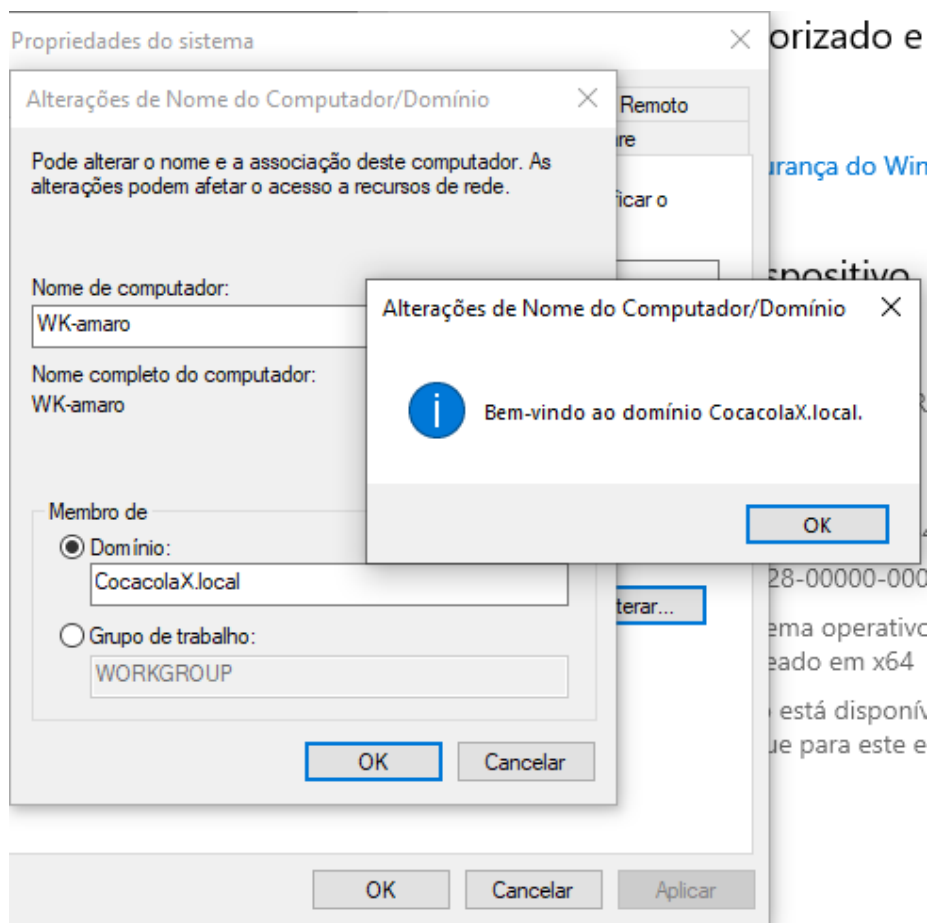
16. Desligue a Firewall do windows 10



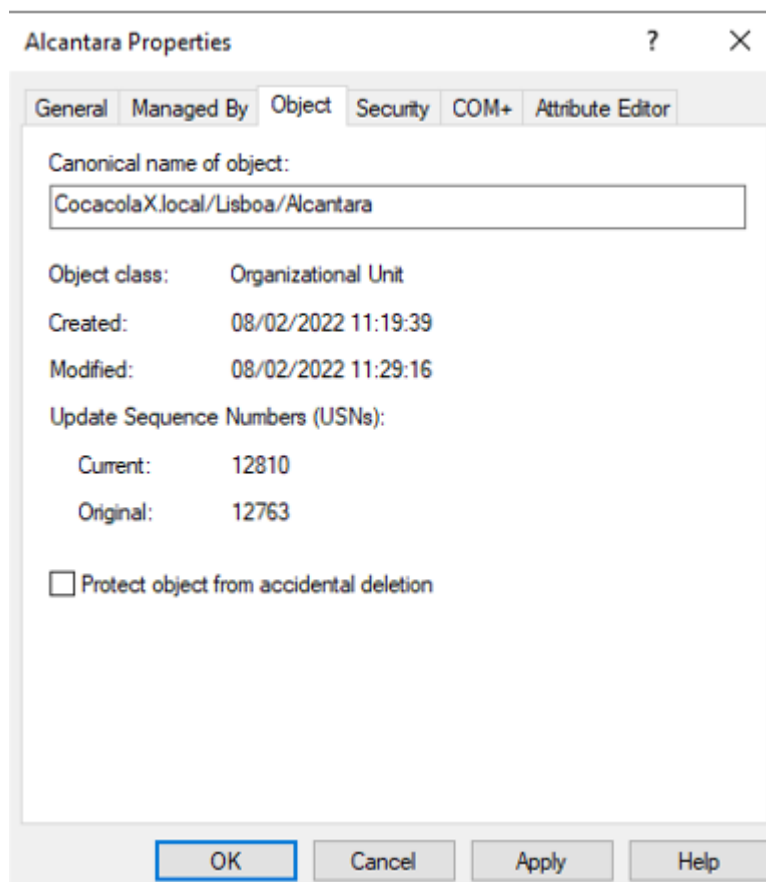
17. Efetue com sucesso a comunicação através do comando ping entre servidor-cliente e do cliente-servidor.



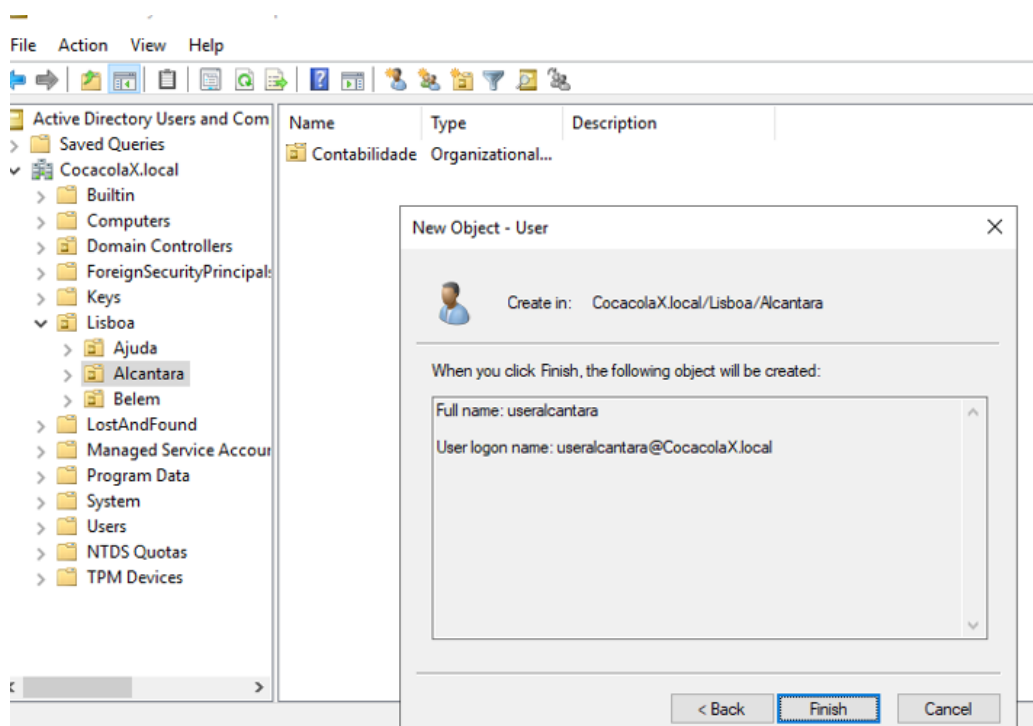
18. Adicione o Windows 10 ao Domínio. Active Directory:



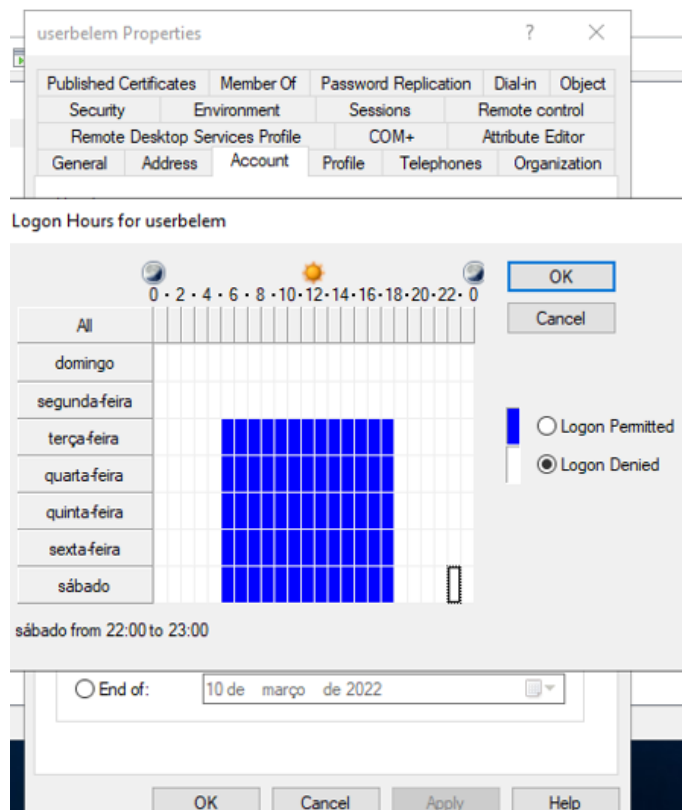
19. Desproteja a unidade organizacional Alcantara.



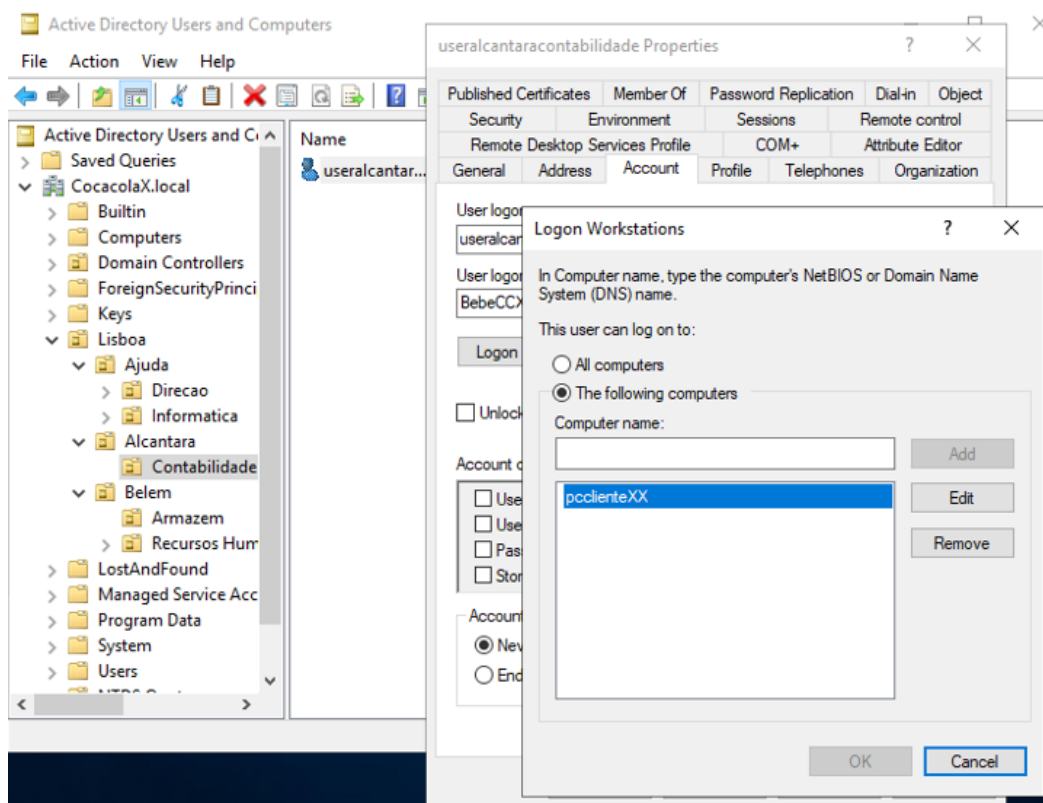
20. Crie 1 utilizador por departamento. (Basta o Print a exemplificar a criação de um utilizador)



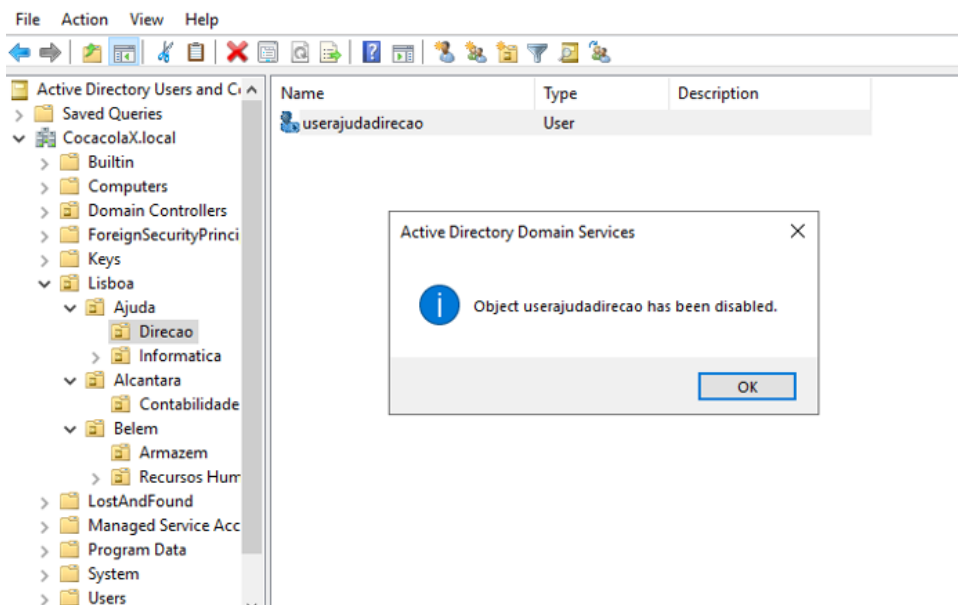
21. Altere as horas de login de um utilizador do armazém, de modo a ficar das 6h00 às 18h00 de terça-feira a sábado.



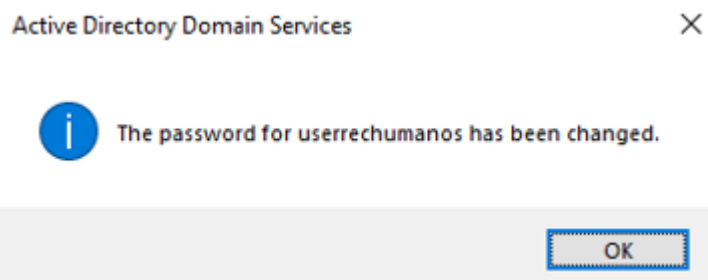
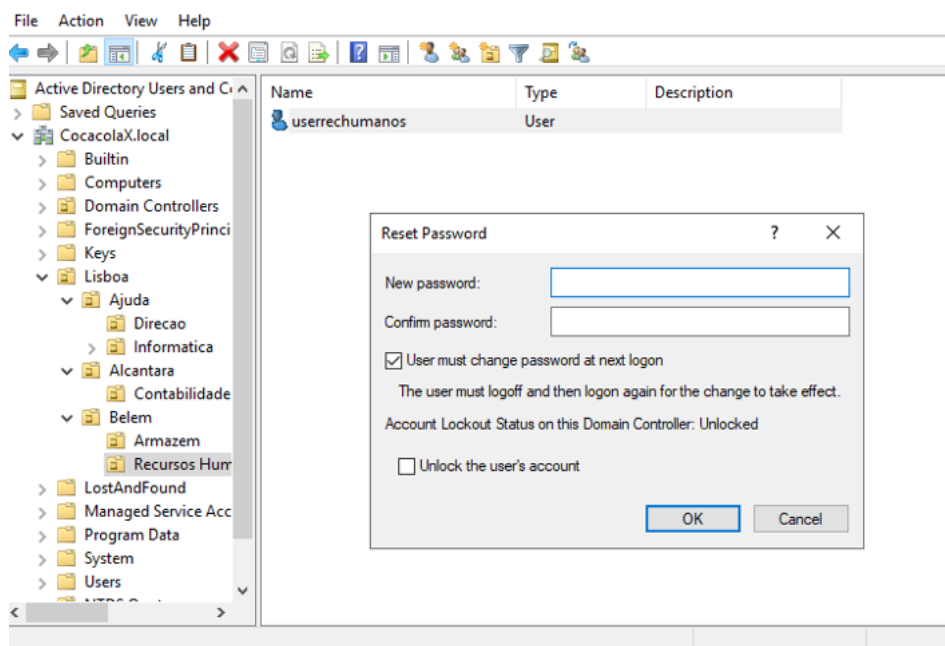
22. Os utilizadores da contabilidade só pode fazer login no computador pcclienteXX.



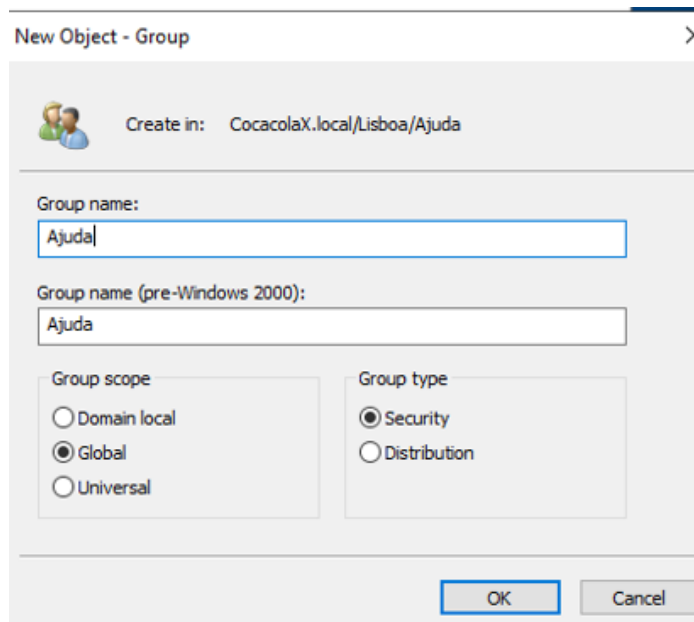
23. Desative o utilizador da direcao.



Faça um reset da password a um dos utilizadores dos Recursos humanos.

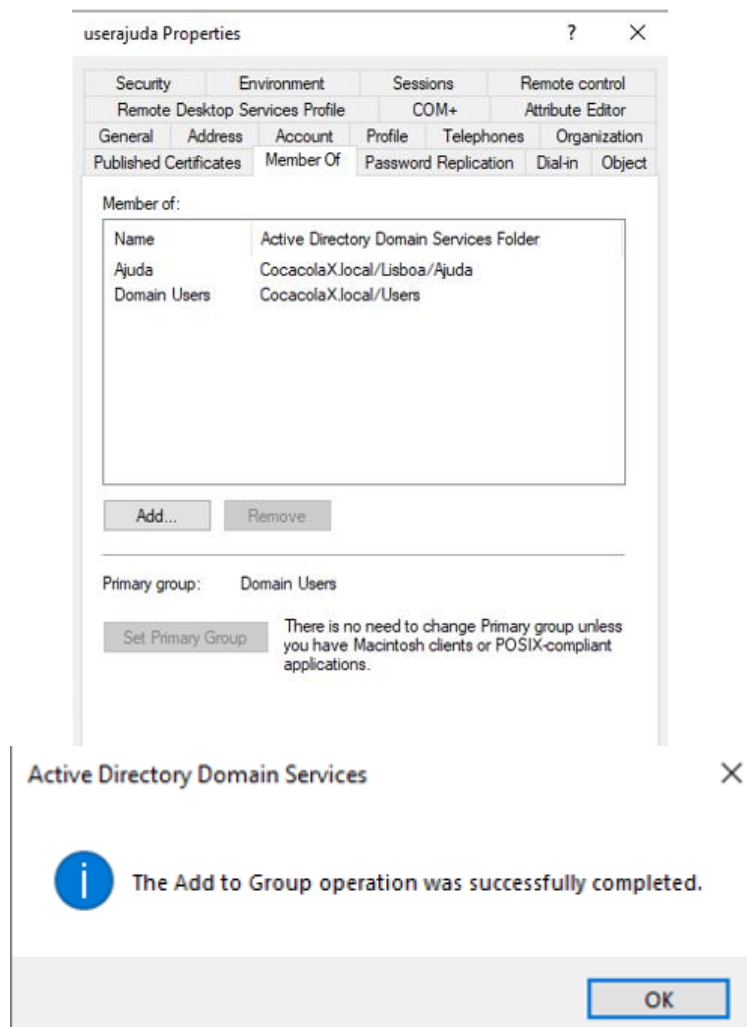


24. Crie um Grupo Global para cada unidade organizacional.



The 'New Object - Group' dialog box is shown. The 'Create in' field is set to 'CocacolaX.local/Lisboa/Ajuda'. The 'Group name' field contains 'Ajuda'. The 'Group name (pre-Windows 2000)' field also contains 'Ajuda'. Under 'Group scope', the 'Global' radio button is selected. Under 'Group type', the 'Security' radio button is selected. The 'OK' button is highlighted.

25. Ligue os utilizadores aos respetivos grupos da respetiva OU e adicione esses mesmos grupos a outros grupos de modo a respeitar o nível hierárquico.



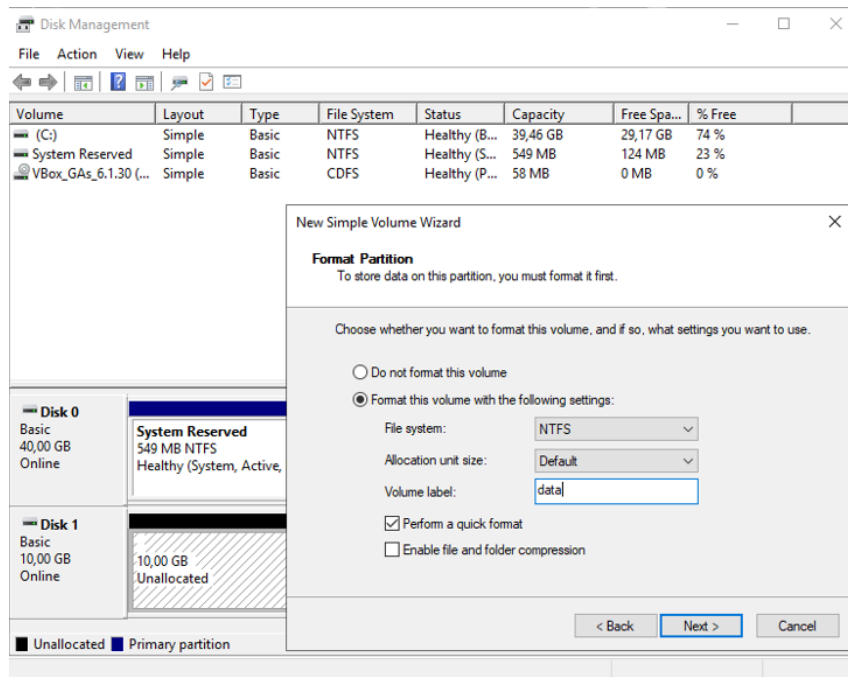
The 'userajuda Properties' dialog box is shown, with the 'Member Of' tab selected. The 'Member of' list shows the following entries:

Name	Active Directory Domain Services Folder
Ajuda	CocacolaX.local/Lisboa/Ajuda
Domain Users	CocacolaX.local/Users

Below the list are 'Add...' and 'Remove' buttons. The 'Primary group' is set to 'Domain Users'. A message states: 'There is no need to change Primary group unless you have Macintosh clients or POSIX-compliant applications.' Below this is a 'Set Primary Group' button.

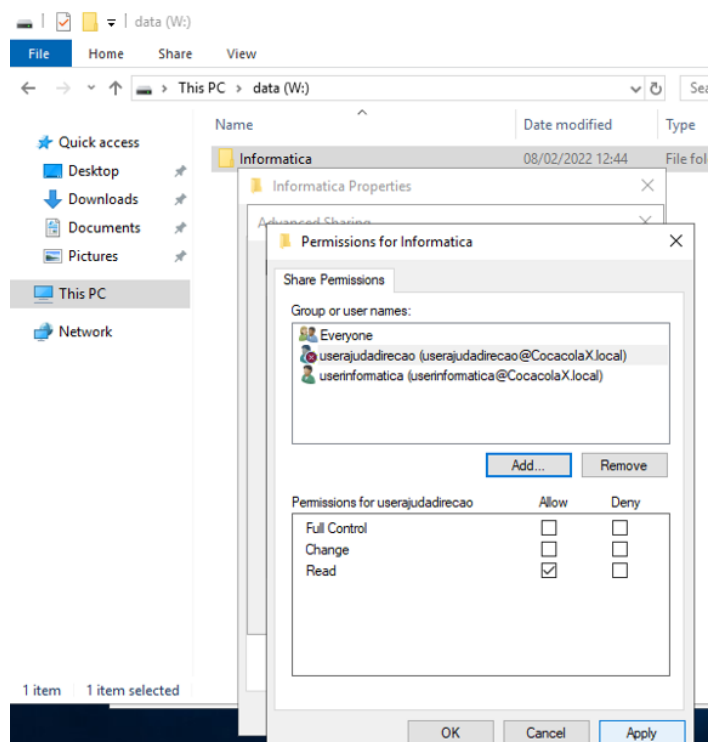
The 'Active Directory Domain Services' notification window is shown, stating: 'The Add to Group operation was successfully completed.' The 'OK' button is highlighted.

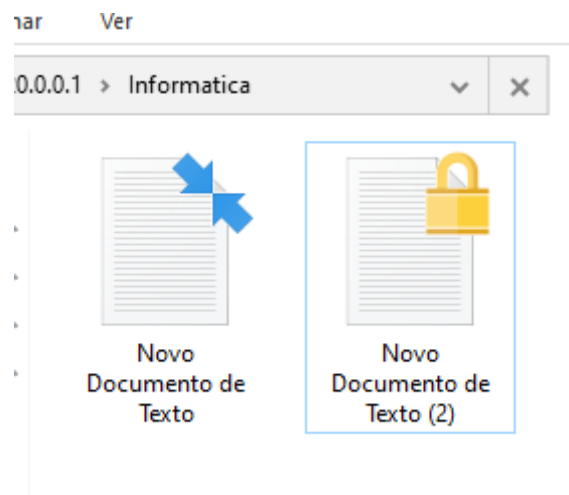
26. Na ferramenta de gestão de discos (Disk Management), crie uma partição primária com o tamanho total do disco 1 (10GB), Formate em NTFS e atribua a letra W.



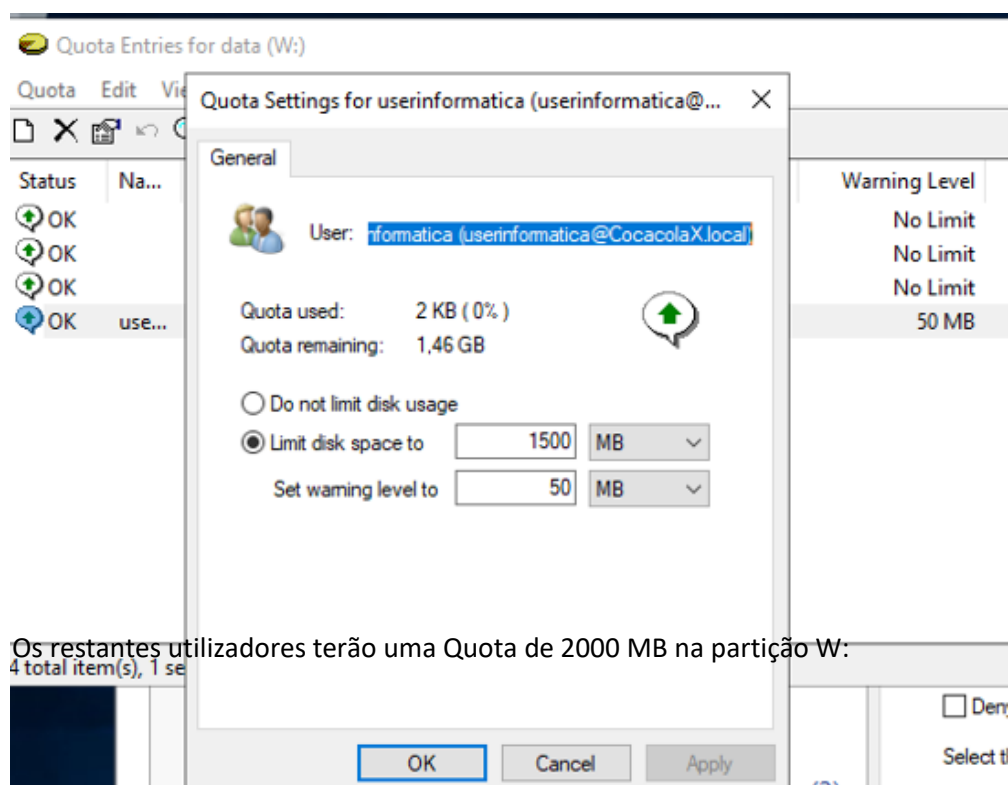
27. Na Partição W: crie uma pasta e partilhe com o nome Informatica, de modo que os utilizadores do departamento de Informatica e o "Administrator" possam ter controlo total sobre a respectiva pasta.

- O utilizador da direcao terá de conseguir apenas abrir e ler o conteúdo dos documentos.
- Com um utilizador da informática, crie um ficheiro de texto e comprima.
- Com um utilizador da informática, crie um ficheiro de texto e encripte.





28. Crie uma Quota de 1500 MB na partição W:, para o Utilizador técnico de informática na partição/volume W:. Esse utilizador não pode guardar mais de 1500 MB. Quando atingir 50MB terá de ser gerado um Log de Aviso. Quando chegar aos 1500MB terá de ser gerado um Log de limite.



29. Os restantes utilizadores terão uma Quota de 2000 MB na partição W:

30. Crie um perfil remoto e Obrigatório para o utilizador do armazém.

userbelemarmazem Properties

Member Of	Dial-in	Environment	Sessions
Remote control	Remote Desktop Services Profile		COM+
General	Address	Account	Profile
Telephones	Organization		

User profile

Profile path: \\20.0.0.1\profiles\$\%username%

Logon script:

Home folder

☒ Local path:

☐ Connect: To:

OK Cancel Apply Help

