	Lucas DUMONDIN
Dossier de projet nº05 :	
Gestion de l'inventaire et choix d'une solution d'Hypervision	1A-SISR

ASSURMER

Date de création : 02/07/2023 Version : 1.0 Pour validation : DSI A destination : DSI Nombre de page totale : 28



I. Installation et configuration de ESXI

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	vmware	

A. Installation de ESXI

Cliquer sur next

× @ Home ×		
Computer	WORKSTATION PRO'17	
	Oreste 2 New Open a Virtual Open a Virtual Virtual Machine Auchine Connect to a Remote Server New Virtual Machine Widade X Chose the Virtual Stades Extender Compatibility X Under the Virtual Machine Interference Compatibility X Chose the Virtual Stades Extender Compatibility X Under the Virtual Machine Interference Compatibility X Chose the Virtual Stades Extender Compatibility X Under the Virtual Compatibility X Canceable with: Concention Virtual Machine Canceable with: Concention Virtual Machine	
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Cliquer sur next

VMware Workstation		- • ×
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C My Computer	WORKSTATION PRO-17	
	\Leftrightarrow \square \dashv	
	Create a New Open a Virtual Connect to a Virtual Martine Martine Barnete Server	
	New Virtual Machine Wizard X	
	Guest Operating System Installation A visual-machine is a physical computer; it needs an operating system: Now vig: unretaff for guest parts of physical system?	
	Instal from:	
	O Installer disc.	
	No drives available	
	O Installer disc image file (so):	I
	• Lui and the operating system later. The virtual machine will be created with a Mark hard disk.	
	Heb Clinck Rest Corosi	
vmware		

cliquer sur Installer l'OS plus tard puis next

VMware Workstation		- = ×
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Vhivese Workstation File Edk View VM Tabe Kitery Type here to search My Computer	Tais Help I I I I I I I I I I I I I I I I I I I	- • ×
	VMWare	

Cliquez sur VMWare ESXI et choisissez la version que vous aller utiliser

VMware Workstation	- o ×
File Edit View VM Tabs	Heg 🕨 - 🖕 🕼 🗠 👙 🔟 🗖 🛱 🗇 🖸
Library X	× 6 Bone ×
P Type here to search	
L My Computer	
	WORKSTATION PRO 1/
	Create a New Open a Virtual Connect to a
	Virtual Machine Machine Remote Server New Virtual Machine Wird X
	Name the Virtual Flackine What name would you lie to use for its virtual mature?
	Wruli na drive rame:
	Laston:
	The default location can be changed at Edit > Preferences.
	Citet Dest Const
	vmware.

Cliquez sur next après avoir choisit l'emplacement de la VM

New Virtual Machine Wizard			>
Processor Configuration Specify the number of proc	essors for this v	virtual machine.	
Processors			
Number of processors:	4	\sim	
Number of <u>c</u> ores per processor:	2	~	
Total processor cores:	8		

Choisissez 4 en nombre de processeurs et 2 cœur par processeurs puis cliquer sur next

New Virtual	Machine Wizard	×
Memory How r	for the Virtual Machine much memory would you like to use for this virtual machine?	
Specify the a must be a mu	mount of memory allocated to this virtual machine. The memory size Iltiple of 4 MB.	:
128 GB - 64 GB - 32 GB - 16 GB -	Memory for this virtual machine:	
8 GB - 4 GB - 2 GB -	 Maximum recommended memory: 27.9 GB 	
512 MB - 256 MB - 128 MB -	Recommended memory: 4 GB	
64 MB - 32 MB - 16 MB - 8 MB - 4 MB -	 Guest OS recommended minimum: 4 GB 	
Help	< Back Next > Cancel	

Mettre 4 Gb de ram puis cliquez sur next

New Virtual Machine Wizard	×
Network Type What type of network do you want to add?	
Network connection	
Use bridged networking	
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.	
Ouse network address translation (NAT)	
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.	
○ Use <u>h</u> ost-only networking	
Connect the guest operating system to a private virtual network on the hose computer.	t
O Do not use a network connection	
Help < <u>B</u> ack <u>N</u> ext > Cance	el

Choisir le bridge

New Virtual Machine Wizard	×
Select I/O Controller Types Which SCSI controller type would you like to use for SCSI virtual disks?	
I/O controller types	
SCSI Controller:	
BusLogic (Not available for 64-bit guests)	
◯ <u>L</u> SI Logic	
◯ LSI Logic <u>S</u> AS	
• Paravirtualized SCSI (Recommended)	
Help < Back Next > Cance	

Choisir le paramètre recommandé car ils sont compatible avec ESXI

New Virtual	Machine Wizard			×
Select a I What	D isk Type kind of disk do you wa	ant to create?		
Virtual disk t	ype			
O SCSI	(Recommended)			
⊖ s <u>a</u> ta				
○ N <u>V</u> Me				
Help		< Back	<u>N</u> ext >	Cancel

Choisir un disque SCSI



Créez un nouveau disque virtuel

New Virtual Machine Wizard	×		
Specify Disk Capacity How large do you want this disk to be?			
Maximum disk gize (GB):			
Allocate all disk space now.			
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.			
 Store virtual disk as a single file 			
○ Split virtual disk into <u>m</u> ultiple files			
Splitting the disk makes it easier to move the virtual machine to another compu- but may reduce performance with very large disks.	ter		
Help < Back Next > Cancel			

Mettre la capacité de 150GB

New Virtual Machine Wizard		X
Specify Disk File Where would you like to store the disk file?		
Disk <u>fi</u> le One 150 GB disk file will be created using this file name.		
VMware ESXi 7.vmdk	Browse	
Help < Back Next >	Cancel	

Juste cliquez sur next

Name: VMware ESXi 7 Location: E:\ Version: Workstation 17.x Operating System: VMware ESXi 7 Hard Disk: 150 GB, Pre-allocated Memory: 4096 MB Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller	The virtual machine v	vill be created with the following settings:	
Location: E:\ Version: Workstation 17.x Operating System: VMware ESXi 7 Hard Disk: 150 GB, Pre-allocated Memory: 4096 MB Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller	Name:	VMware ESXi 7	
Version: Workstation 17.x Operating System: VMware ESXi 7 Hard Disk: 150 GB, Pre-allocated Memory: 4096 MB Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller	Location:	E:\	
Operating System: VMware ESXi 7 Hard Disk: 150 GB, Pre-allocated Memory: 4096 MB Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller	Version:	Workstation 17.x	
Hard Disk: 150 GB, Pre-allocated Memory: 4096 MB Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller	Operating System:	VMware ESXi 7	
Memory: 4096 MB Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller Customize Hardware	Hard Disk:	150 GB, Pre-allocated	
Network Adapter: Bridged (Automatic) Other Devices: 8 CPU cores, CD/DVD, USB Controller Qustomize Hardware	Memory:	4096 MB	
Other Devices: 8 CPU cores, CD/DVD, USB Controller <u>C</u> ustomize Hardware	Network Adapter:	Bridged (Automatic)	
<u>C</u> ustomize Hardware	Other Devices:	8 CPU cores, CD/DVD, USB Controller	
	Customize Hardw	are	

Vous pouvez maintenant lancer votre VM ESXI

Welcome to the VMware ESXi 8.0.1 Installation				
VMware ESXi 8.0.1 installs on most systems but only systems on VMware's Compatibility Guide are supported.				
Consult the VMware Compatibility Guide at: http://www.vmware.com/resources/compatibility				
Select the operation to perform.				
(Esc) Cancel (Enter) Continue				

Une fois la VM lancée, appuyez sur Enter

End User License Agreement (EULA)
<pre>VMWARE GENERAL TERMS Last updated:16 June 2022 By downloading or using an Offering, Customer agrees to be bound by the terms of the Agreement. 1. OFFERINGS. 1.1. Applicable Terms. The terms of the Order and these General Terms, including applicable Exhibits and Offering-specific Notes (collectively, the "Agreement") govern Customer's use of the Offerings. The following descending order of precedence applies: (a) the Order; (b) the General Terms; (c) the Exhibits; and (d) the Offering-specific Notes. 1.2. Users. Customer is responsible for its Users' compliance with the Agreement. 1.3. Restrictions. Customer may use the Offerings only for</pre>
Use the arrow keys to scroll the EULA text
(ESC) Do not Accept (F11) Accept and Continue

Appuyez sur F11 pour continuer

(any existin * Contains a VMFS par # Claimed by VMware v	Select a Disk t ng VMFS-3 will be tition vSAN	o Install or Up automatically u	grade pgraded to VMF	S-5)
Storage Device Local: Viware, Viware V Remote: (none)	rtual S (npx.vmh	a0 : C0 : T0 : L0)		Capacity
(Esc) Cancel	(F1) Details	(F5) Refresh	(Enter) Con	tinue

Appuyez sur entrée pour continuer

Please select a keyboard layout			
Brazilian Croatian Czech Danish Estonian Finnish French			
Use the arrow keys to scroll.			
(Esc) Cancel (F9) Back (Enter) Continue			

Sélectionnez la langue de votre choix

	En	ter a root pa	ssword	
Root Confirm	password: хоож password: хххх	******* ******* Passwords nat	ch.	
	(Esc) Cancel	(F9) Back	(Enter) Continue	

Rentrez votre mot de passe ROOT puis appuyez sur entrée

	Co	nfirm Install	
The insta - instal	aller is configure ESXi 8.0.1 on mp:	d to ∶ x.vmhba0:C0:T0:I	_0
Harning:	This disk will be	repartitioned.	
	(Esc) Cancel	(F9) Back	(F11) Install

Appuyez sur F11 pour installer ESXI

Installation Complete ESXi 8.0.1 has been installed successfully. ESXi 8.0.1 will operate in evaluation mode for 60 days. To use ESXi 8.0.1 after the evaluation period, you must register for a VMware product license. To administer your server, navigate to the server's hostname or IP address from your web browser or use the Direct Control User Interface. Remove the installation media before rebooting. Reboot the server to start using ESXi 8.0.1. (Enter) Reboot

Une fois l'installation terminé, appuyez sur entrée pour redémarrer la machine.

B. Configuration de ESXI



Rentrez grâce au mot de passe root dans la console pour accéder au paramètre. Cliquez sur configure management network

IPv4 Configuration				
This host can obtain network settings automatically if your network includes a DHCP server. If it does not, the following settings must be specified:				
 () Disable IPv4 configuration for management () Use dynamic IPv4 address and network config (o) Set static IPv4 address and network config 	network iguration guration:			
IPv4 Address	[172.16.0.100]			
Subnet Mask	[255.255.255.0]			
Default Gateway	[172.16.0.254]			
<pre><up down=""> Select <space> Mark Selected</space></up></pre>	<pre> (Enter> OK (Esc> Cancel) </pre>			

Rentrez votre adresse IP pour le serveur ESXI ainsi que le masque et la Gateway



Sauvegarder la configuration en cliquant sur Y

U ag		
vm ware ⁻		
ESXi Host Cli	ent™	
•••••		
	LOGIN	

Pour tester si tout fonctionne, rentrer sur un navigateur l'adresse IP configurer précédemment et rentrer le mot de passe root sur la page.



Voilà, tout fonctionne !!