

PART 1 : Hetzner Dedicated Server OS Configuration with ESXI Image

Robot is Hetzner's administration panel for Dedicated Root Servers, Colocation, Storage Boxes, and domains.

Follow this steps for configure the ESXI hypervisor in the dedicated server.

Order compatible dedicated server

ESXi Hypervisor can't be booted in all Servers, so need to find the suitable server from hetzner robots. for today, these are the dedicated servers available in hetzner which support ESXI.

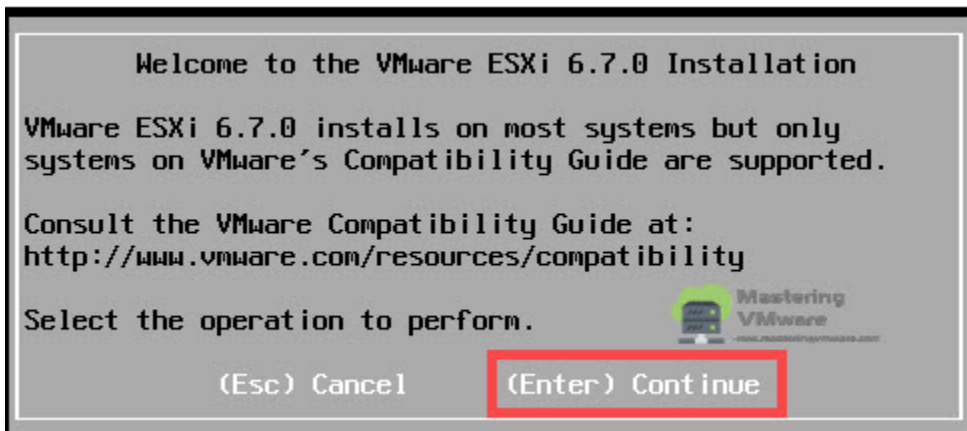


you can also check the server compatibility [here](#). then order the server from hetzner robot web ui.

Request Additional Resources

Once we ordered the server from hetzner robots, go to the server and order additional resources which required for configure ESXI. Go [here](#) and order the following.

1. Additional single IP for server
2. Additional subnet for vms



Order Additional single IP for server

Configure Management Network	Network Adapters
Network Adapters VLAN (optional) IP Configuration IPv6 Configuration DNS Configuration Custom DNS Suffixes	vmmnic0 (Chassis slot 21.00) The adapters listed here provide the default network connection to and from this host. When two or more adapters are used, connections will be fault-tolerant and outgoing traffic will be load-balanced.
<Up/Down> Select	<Enter> Change <Esc> Exit

Additional subnet for vms

Here they are providing 5 options to choose the subnets. choose the right one for your needs.

- subnet /25
 - Usable 126 Public IP address
- subnet /26
 - Usable 62 Public IP address
- subnet /27
 - Usable 30 Public IP address
- subnet /28
 - Usable 14 Public IP address
- subnet /29
 - Usable 6 Public IP address

AX101 #1441186										Enter servername:		HELL-DC3		65.21.122.106		11/05/2021		✓	
IPs	Reset	Rescue	Linux	VNC	Windows	cPanel	Plesk	WOL	Backup	Monitoring	Add-ons	Admin login	Phone password	Transfer	Support	Cancellation	History	Firewall	

Orders for IPv4 subnets are processed only Monday to Friday, 6:30 am to 6:00 pm CEST. Single IPs that are subject to charge, as well as IPv6 subnets and failover IPs, however, are immediately processed 24 hours a day, 7 days a week. In exceptional cases, it may take up to 24 hours for us to process an order for a single IP.

A maximum of 6 additional single IPs can be ordered per server. The allocation of IPs and subnets is only done in accordance with RIPE guidelines.

Please choose the desired IP/subnet:

- IP/subnet type
- ☐ One additional IP with costs (Price (monthly): € 0.91 / Setup (once): € 0.00)
 - ☐ One failover IP (Price (monthly): € 4.53 / Setup (once): € 0.00)
 - ☐ One additional subnet /29 (Price (monthly): € 7.24 / Setup (once): € 0.00)
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 - ☐ Failover subnet /26 (Price (monthly): € 66.97 / Setup (once): € 0.00)
 - ☐ Failover subnet /25 (Price (monthly): € 124.90 / Setup (once): € 0.00)

Gateway 65.21.122.106 (Main IP) ▼

Purpose of use

Agreement ☐ I have read your [Terms and Conditions](#) as well as your [Privacy Policy](#) and I agree to them.

[Apply for IP/subnet in obligation](#)

Getting ESXI Image

Download the ESXI ISO image from [here](#) by create an account (you must create one account for getting license for this product, you can create an account [here](#))

KVM Console access to the Dedicated Server

Request for a KVM console from hetzner server panel to get a remote access to the server.

Please select a keyboard layout

Swiss French

Swiss German

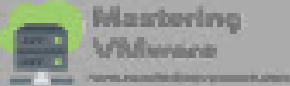
Turkish

US Default

US Dvorak

Ukrainian


United Kingdom



Use the arrow keys to scroll.

(Esc) Cancel
(F9) Back
(Enter) Continue

you will get an mail with the instructions to access the dedicated server remotely. from there you have to attach the ISO image and reboot the server. the booting process will initiate.

 you may face lots of issue with booting. if you face any issue while booting try to reconnect the ISO image and reboot the server again and again. this may help you to resolve the issue. these are the few issues that you may face while booting.

- Network issue, booting process terminated
- ISO image detached from the KVM console
- hang the screen and nothing will move

While booing please follow these steps

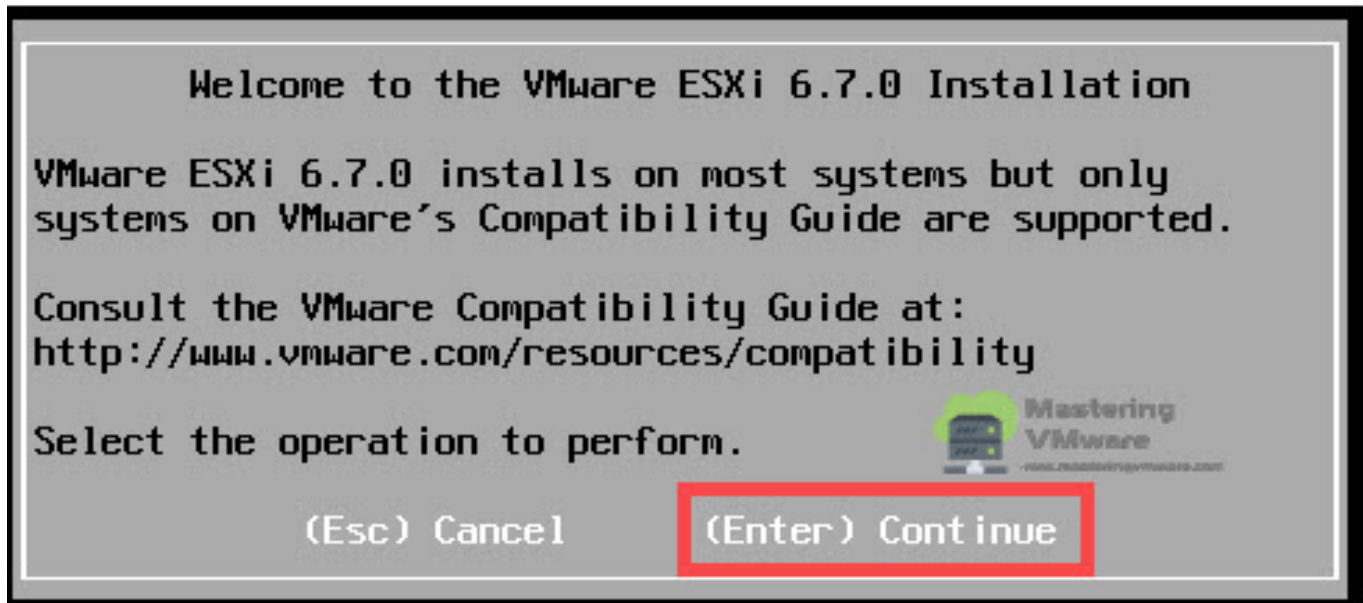
Step 1

Press Enter on the installer



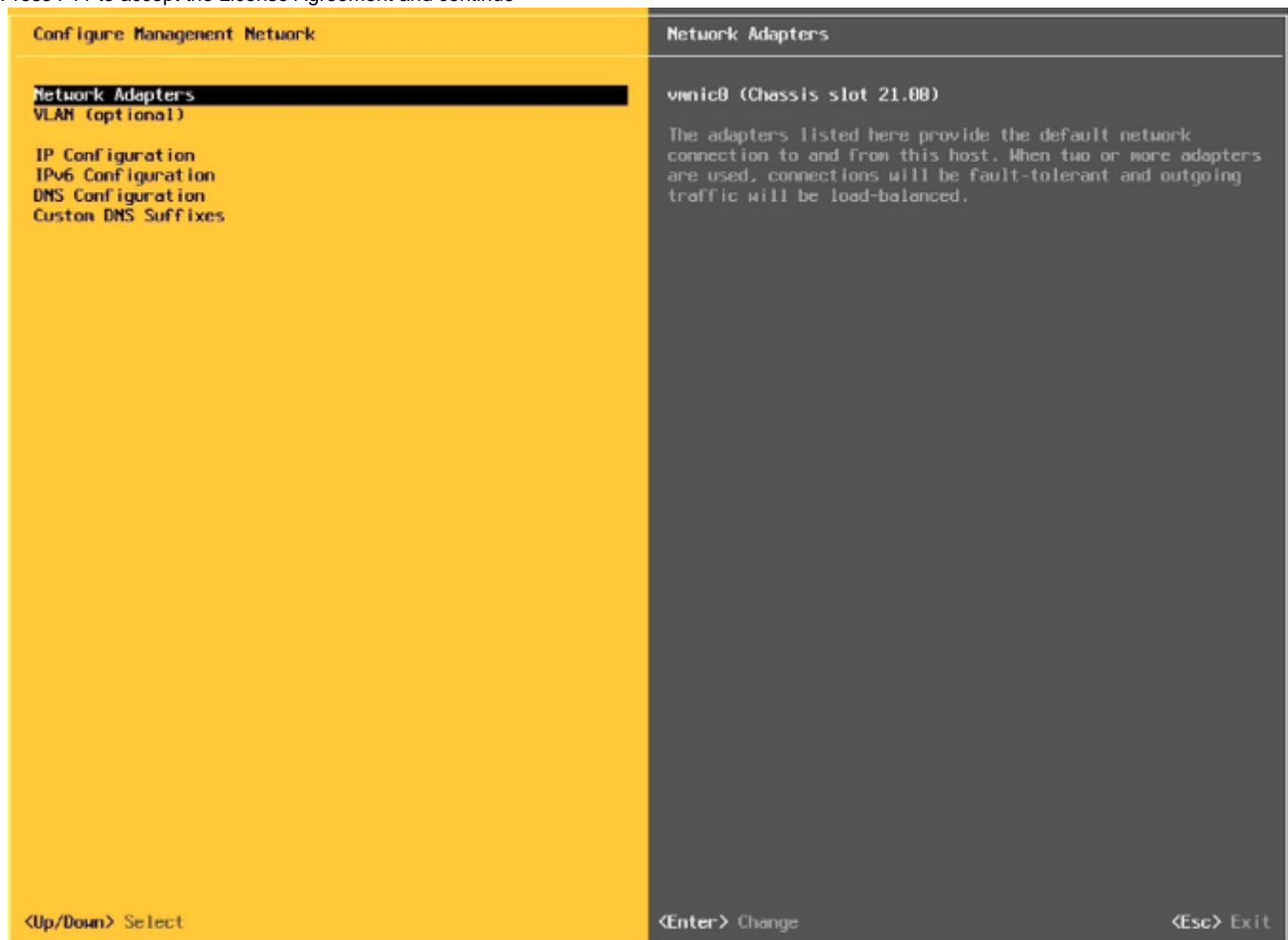
Step 2

Press Enter to continue



Step 3

Press F11 to accept the License Agreement and continue



Step 4

Select the Disk and press Enter

AX101 #1441186										Enter servername:		HEL1-DC3		65.21.122.106		11/09/2021		✓	
IPs	Reset	Rescue	Linux	VNC	Windows	cPanel	Plesk	WOL	Backup	Monitoring	Add-ons	Admin login	Phone password	Transfer	Support	Cancellation	History	Firewall	

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Gateway: 65.21.122.106 (Main IP)

Purpose of use:

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Step 5

Select the keyboard and press Enter

Please select a keyboard layout

Swiss French

Swiss German


Turkish

US Default

US Dvorak

Ukrainian

United Kingdom



Mastering Windows

Windows 10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100

Use the arrow keys to scroll.

(Esc) Cancel

(F9) Back

(Enter) Continue

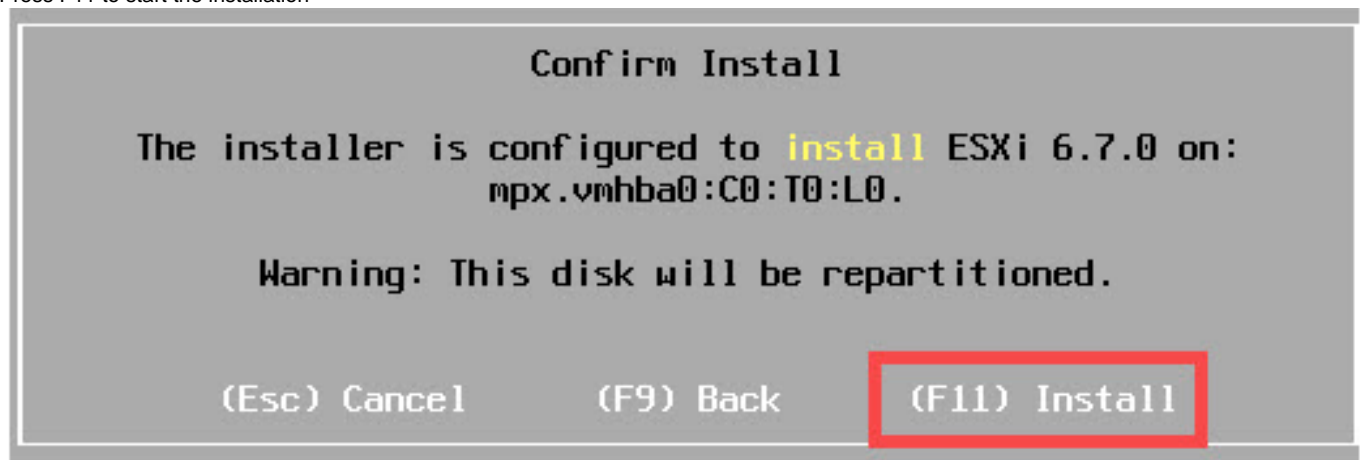
Step 6

Give the root password and press Enter



Step 7

Press F11 to start the installation



It may take some time to boot the server

Step 8

once the installation is completed, press enter reboot

Installation Complete

ESXi 6.7.0 has been installed successfully.

ESXi 6.7.0 will operate in evaluation mode for 60 days. To use ESXi 6.7.0 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 6.7.0.

(Enter) Reboot

After rebooted the server, you will get the following screen.

VMware ESXi 6.7.0 (VMKernel Release Build 8169922)

VMware, Inc. VMware Virtual Platform

Intel(R) Xeon(R) CPU E5-2630 v4 @ 2.20GHz
16 GiB Memory

To manage this host go to:
<http://esxi10/>
<http://192.168.0.171/> (STATIC)



<F2> Customize System/View Logs

<F12> Shut Down/Restart

Step 9

You can use the **Direct Console User Interface (DCUI)** to configure your ESXi host and set up an IP address. DCUI enables you to configure and troubleshoot ESXi networking on your hosts without using the **vSphere Client**.

Configure the static IP address for your server, you can see your main IP address in the hetzner robot web interface, take all the details and configure as follow

press F2 and give root password for authenticate



Step 10

In the **System Customization** menu, select **Configure Management Network** and press Enter



Step 11

Now, select **IP Configuration**

Configure Management Network

Network Adapters
VLAN (optional)
IP Configuration
IPv6 Configuration
DNS Configuration
Custom DNS Suffixes

Network Adapters
vmmic0 (Chassis slot 21.00)

The adapters listed here provide the default network connection to and from this host. When two or more adapters are used, connections will be fault-tolerant and outgoing traffic will be load-balanced.

<Up/Down> Select
<Enter> Change
<Esc> Exit

Step 12

Select **Set static IP address and network configuration** and enter the network configuration details:

AX101 #1441106

Enter servername

HEL1-DC3
65.21.122.106
11/09/2021

IPs
Reset
Rescue
Linux
VNC
Windows
cPanel
Plesk
WOL
Backup
Monitoring
Add-ons
Admin login
Phone password
Transfer
Support
Cancellation
History
Firewall

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Gateway

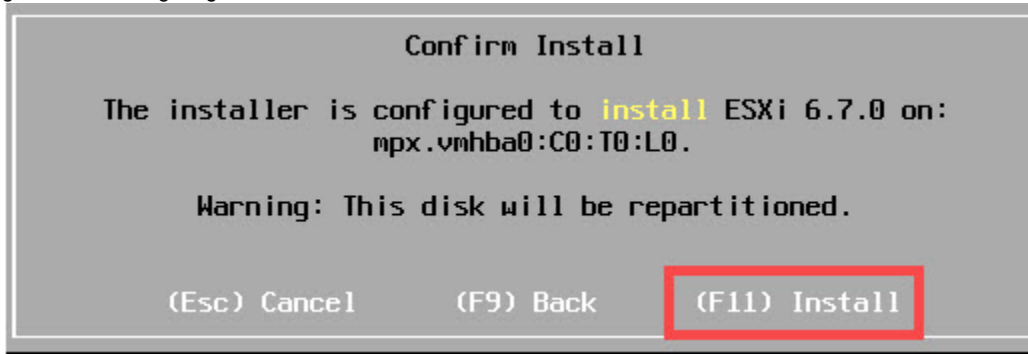
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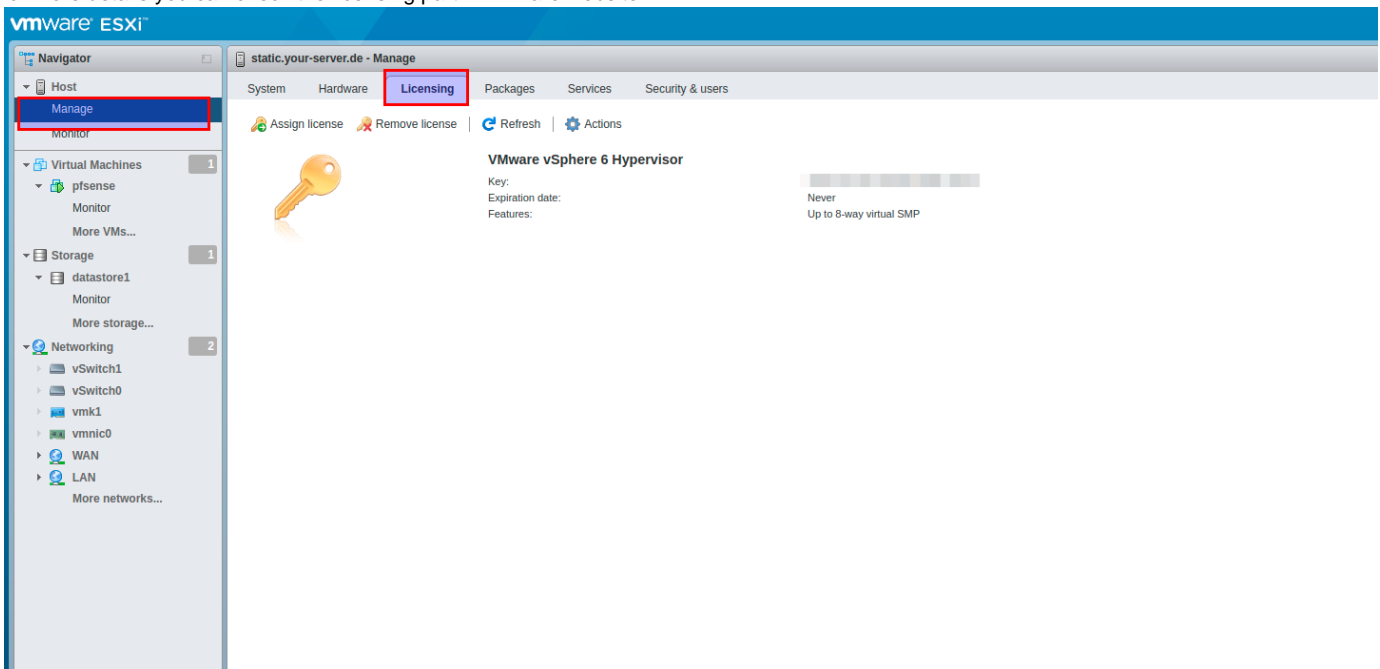
Press **Enter** to accept the IP configuration changes. And that's it! You can now use **vSphere Client** to access your ESXi host using the IP address you've just configured.

Reboot the server after all these steps. you can access the server with its main public IP address. give username and password that you have given while configuring the ESXI server.



Configure the License from ESXI web ui

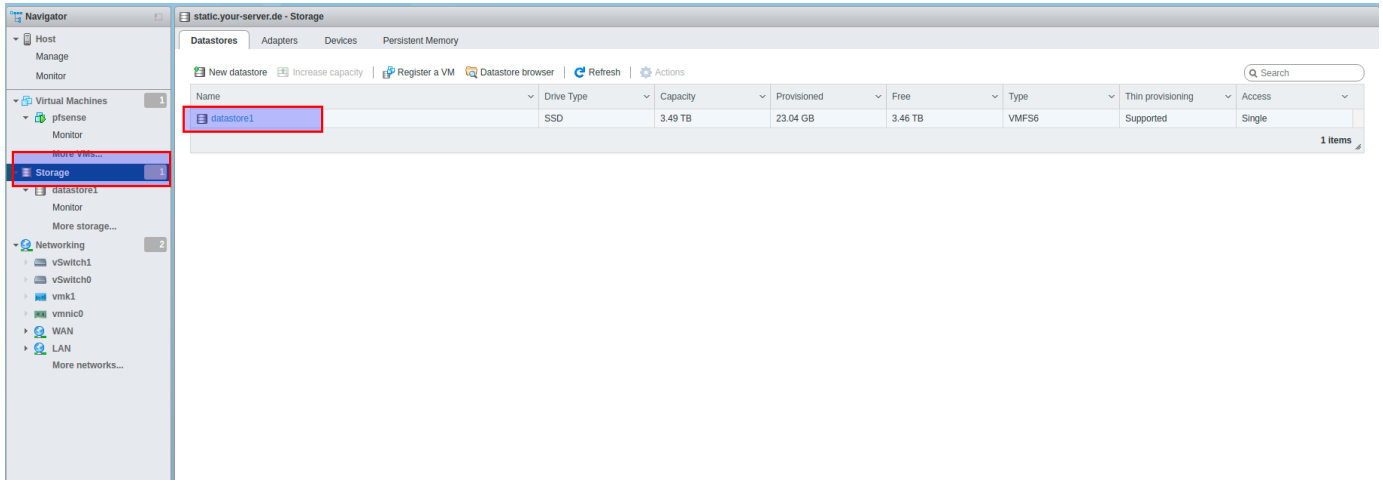
After login, follow this steps to add the license to your ESXI server from ui. This is a free license and it will never expire but have some limitation. for more details you can check the licensing part in vmware website.



Adding Required ISO image for your Virtual Machine (VM) creation.

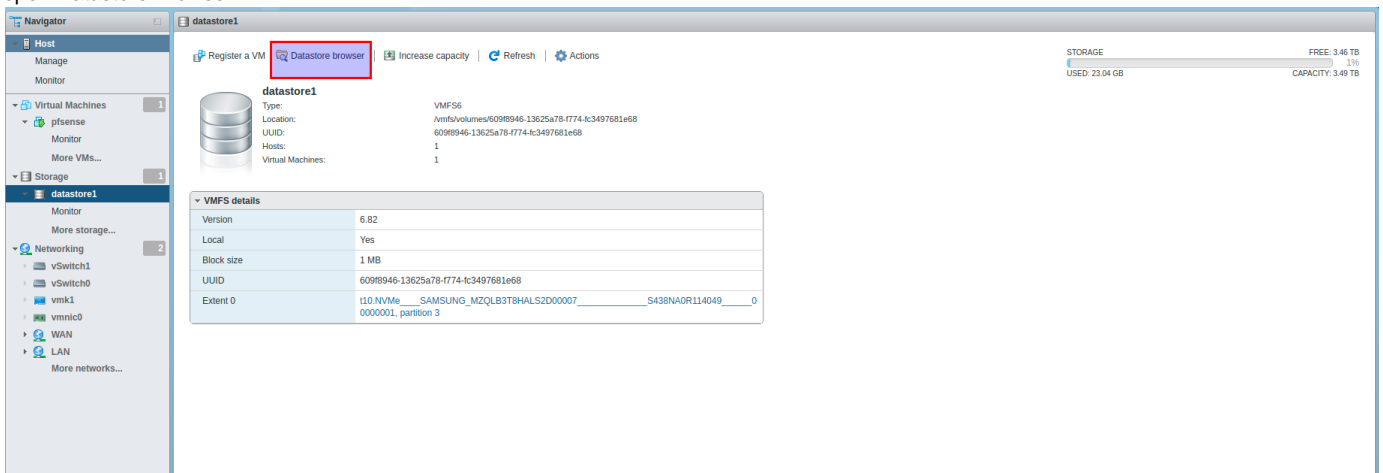
Step 1

Go to storage section and click on the datastore



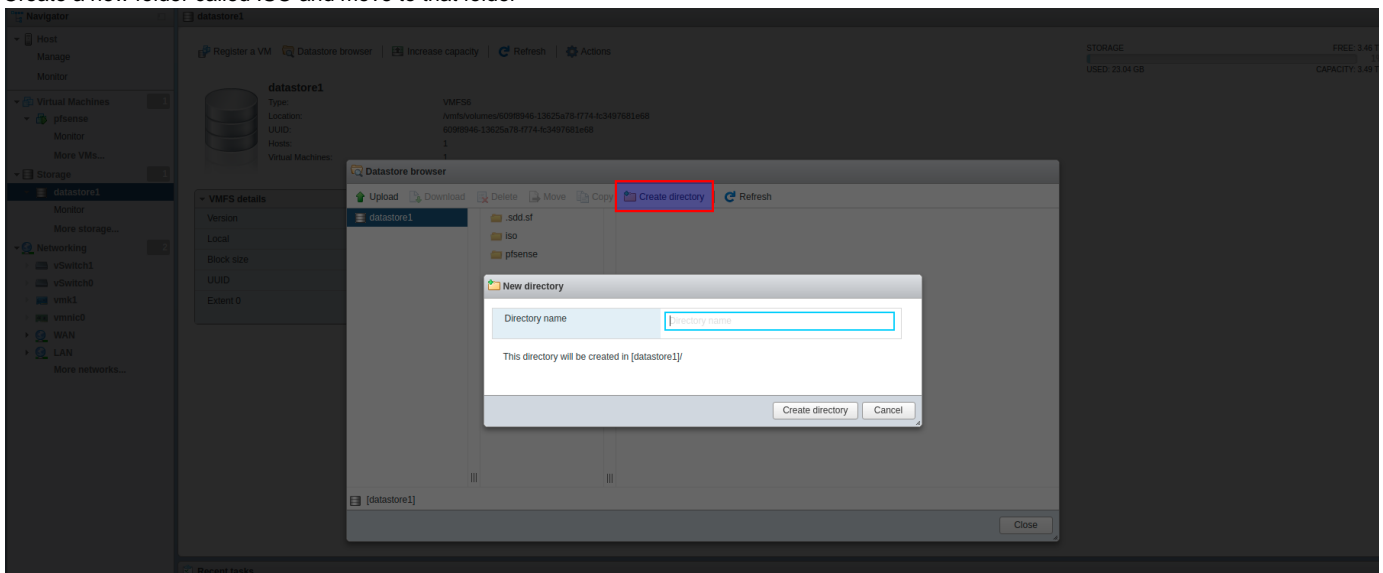
Step 2

open Datastore Browser



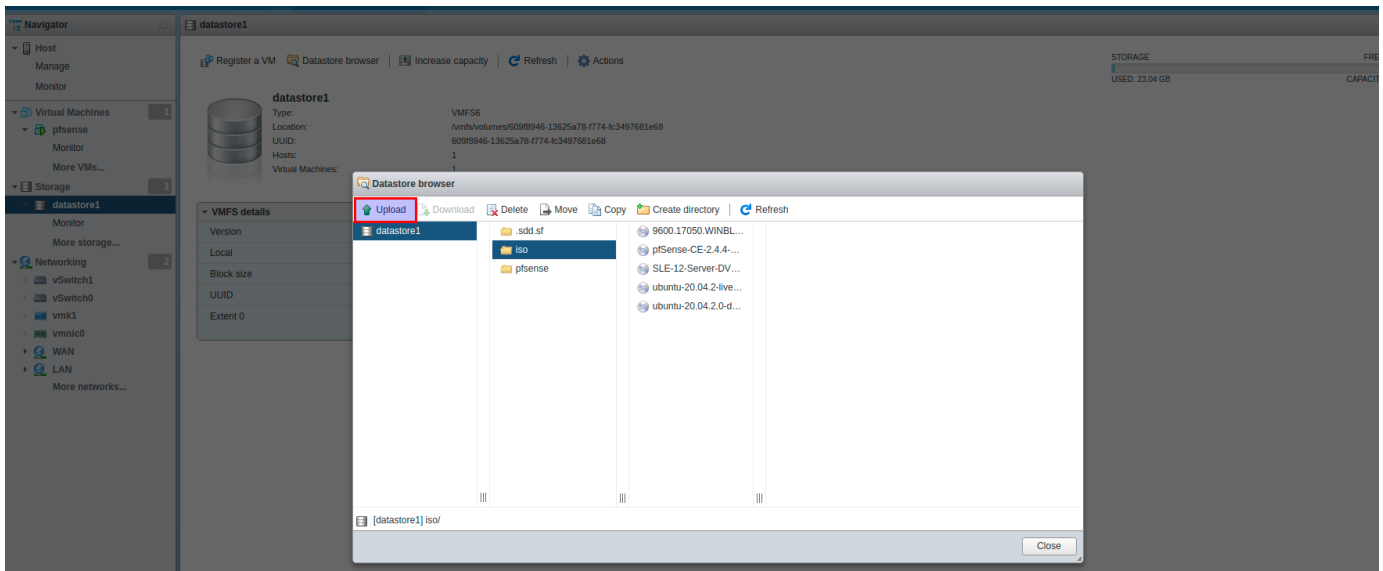
Step 3

Create a new folder called ISO and move to that folder



Step 4

Click on upload and choose ISO image from your local



You may face network issue while uploading ISO files because ISO file size is huge (1GB to 5GB). if you face any issues while uploading ISO images, then please delete that ISO file from datastore and re-upload it again. in case if the ISO image corrupted, then it may affect the VM creation.

Now you have the ESXI server ready. but for using the server, you need to configure PFSense as a vm in this Hypervisor. for PFSense installation and configuration please follow the PART 2.