

VMWare config

Create new VM with :

Memory : 4 Gb

Processors : 2

Hard Disk (SCSI) : 40 GB

Network Adapter 1 : NAT

Network Adapter 2 : Host Only

ESXi install

Install VMware vSphere 6.7

Keyboard : Swiss French

Root password : Pa\$\$w0rd

Others Default

ESXi config

Change hostname to : srv-esxi-01

Change Network Adapter to static : 192.168.XXX.130/24

Restart VM

Go to browser and type : https://192.168.XXX.130/ui/#/login

Open **Datastore browser** and upload debian 10 iso

Create Debian client

In the navigator, choose **Virtual Machines** and create a new virtual machine :

Guest OS family : Linux

Guest OS version : Debian GNU/Linux 10 (64-bit)

Memory : 512MB

Hard disk : 2GB

CD/DVD Drive : Datastore ISO file and select the debian 10 iso

Finish configuration

Start the Vm and config :

Region : Europe

Country : Switzerland

Keymap : Swiss French

Root password : root

New user : cpnv

cpnv password : **cpnv**

Only SSH and tool on list

Install grub : **Yes**

Others default

Finish installation

Restart Debian and run (need to be connected, restart Debian if not work)

```
apt-get install open-vm-tools
```

Restart Debian

Add datastore

Shut down VM ESXi

Add new hard disk : **100GB**

Start VM

Open web management : <https://192.168.XXX.130/ui/#/login>

Go to **storage** and add new datastore :

Type : **Create new VMFS**

Name : **DS_02**

Disk : **Local VMware, Disk (mpx.vmhba0:C0:T1:L0)**

Partitioning : **Use full disk**

VMFS version : **6**

Create VM Windows

In Workstation, create new VM **Windows 10 x64**

Run VM Windows and finish installation :

Country : **Suisse**

Keyboard : **Français (Suisse)**

Account : **cpnv**

Password : **cpnv**

Finish install and shutdown

Migrate VM Windows from Workstation to ESXi

In Workstation :

Take snapshot named : **Prepare to migrate**

In **VM** -> **Manage** -> **Clone...**

Clone Source : Existing snapshot **Prepare to migrate**

Clone method : **Create a linked clone**

Finish clone

Start clone and run `C:\Windows\System32\Sysprep\sysprep.exe`

After, Shutdown clone

On **VM** -> **Manage** :

Change Hardware Compatibility : `Workstation 14.x`, Don't create new clone

Upload to : `Other VMware vSphere Server`, enter ESXi VM info, and choose `DS_02`

Run VM Windows on ESXi and finish installation :

Country : `Suisse`

Keyboard : `Français (Suisse)`

Account : `root`

Password : `root`

Install VM Tool on Windows 10

In ESXi web interface -> **Virtual Machines** -> **Guest OS** : clic on **Install VMware Tools**

Go back to Windows VM and install VMware Tools from virtual CD/DVD drive

Deploy App dokuwiki

[Download ova](#)

In ESXi -> **Virtual Machines** menu -> **Register VM** :

Creation type : `Deploy a ...`

VM Name : `dokuwiki`

OVA : choose ova downloaded

Storage : `DS_02`

Finish Installation and run VM

App dokuwiki config

Root password : `Pa$$w0rd`

Admin password : `Pa$$w0rd`

Other default

Veeam Backup

In Workstation, create new VM Windows Server 2019 :

Memory : `2 GB`

Hard disk : `32 GB`

OS Langage : `English`

Keyboard : `Swiss French`

OS Type : `Standard Desktop Experience`

In VM :

Install and run `Veeam Backup And Replication Community Edition`

Backup Job -> Virtual Machine -> VMware vSphere -> VSphere :

DNS name or... : 192.168.XX.130

Credentials : root Pa\$\$w0rd

Apply

How to backup and restore VM

First, create job :

In Veeam Backup, select **Backup Job -> Virtual Machine**

In **Virtual Machines** tab, add the VM you want to save

Other default

Run backup :

In **Home -> Jobs -> Backup**, run the backup defined

Restore VM :

In **Home -> Backups -> [job name] -> [backup name]**, right clic, **Restore entire VM...**