

# Installation d'une VM

## Installation d'une VM Debian 12 sur Proxmox.

### Prérequis:

- Avoir un serveur Proxmox
- Avoir un ISO de la dernière version de Debian (Version 12, Bookworm actuellement).

On peut trouver l'ISO [Ici](#).

### 1. Upload de L'ISO sur le serveur.

The screenshot illustrates the Proxmox VE interface during the upload of an ISO file. The interface is divided into several sections:

- Folder View:** Shows the directory structure. The 'local (pve-front-01)' storage is selected, indicated by a red circle '2' and an arrow.
- Storage 'local' on node 'pve-front-01':** Displays the 'ISO Images' section. The 'Upload' button is highlighted with a red circle '1' and an arrow. Below it, a table lists the uploaded ISOs:

Name
OPNsense-23.1-OpenSSL-dvd-amd64.iso
debian-12.0.0-amd64-netinst.iso

The first row is highlighted with a red circle '3' and an arrow.
- Upload Dialog:** A modal window for uploading a file. It contains the following fields and buttons:
  - File:** A text input field containing 'C:\fakepath\virtio-win-0.1.225.iso' and a 'Select File' button.
  - File name:** A text input field containing 'virtio-win-0.1.225.iso', with a red circle '1' and an arrow pointing to it.
  - File size:** A text input field containing '507.41 MiB'.
  - MIME type:** A text input field containing 'application/x-cd-image'.
  - Hash algorithm:** A dropdown menu set to 'None', with a red circle '2' and an arrow pointing to it.
  - Checksum:** A text input field containing 'none'.
  - Buttons:** 'Abort' and 'Upload' buttons at the bottom.

**Upload** ⓧ

File:  Select File

File name:

File size: 507.41 MiB

MIME type: application/x-cd-image

Hash algorithm:

Checksum:

0.11% (575.03 KiB)

Abort Upload

*Attendre la fin de l'upload*

## 2. Création de la VM.

Documentation Create VM Create CT root@pam Help

Search:

Date	Format	Size
2023-06-28 17:00:32	iso	1.64 GB
2023-06-28 17:08:59	iso	773.85 MB

- Nommer sa VM

Create: Virtual Machine

General OS System Disks CPU Memory Network Confirm

Node: pve-front-01 Resource Pool:

VM ID: 100

Name: DEB-test

1

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Help Advanced  Back

- Sélection de l'OS et de l'ISO

### Create: Virtual Machine

General **OS** System Disks CPU Memory Network Confirm

Use CD/DVD disc image file (iso)

Storage:

ISO image:

Use physical CD/DVD Drive

Do not use any media

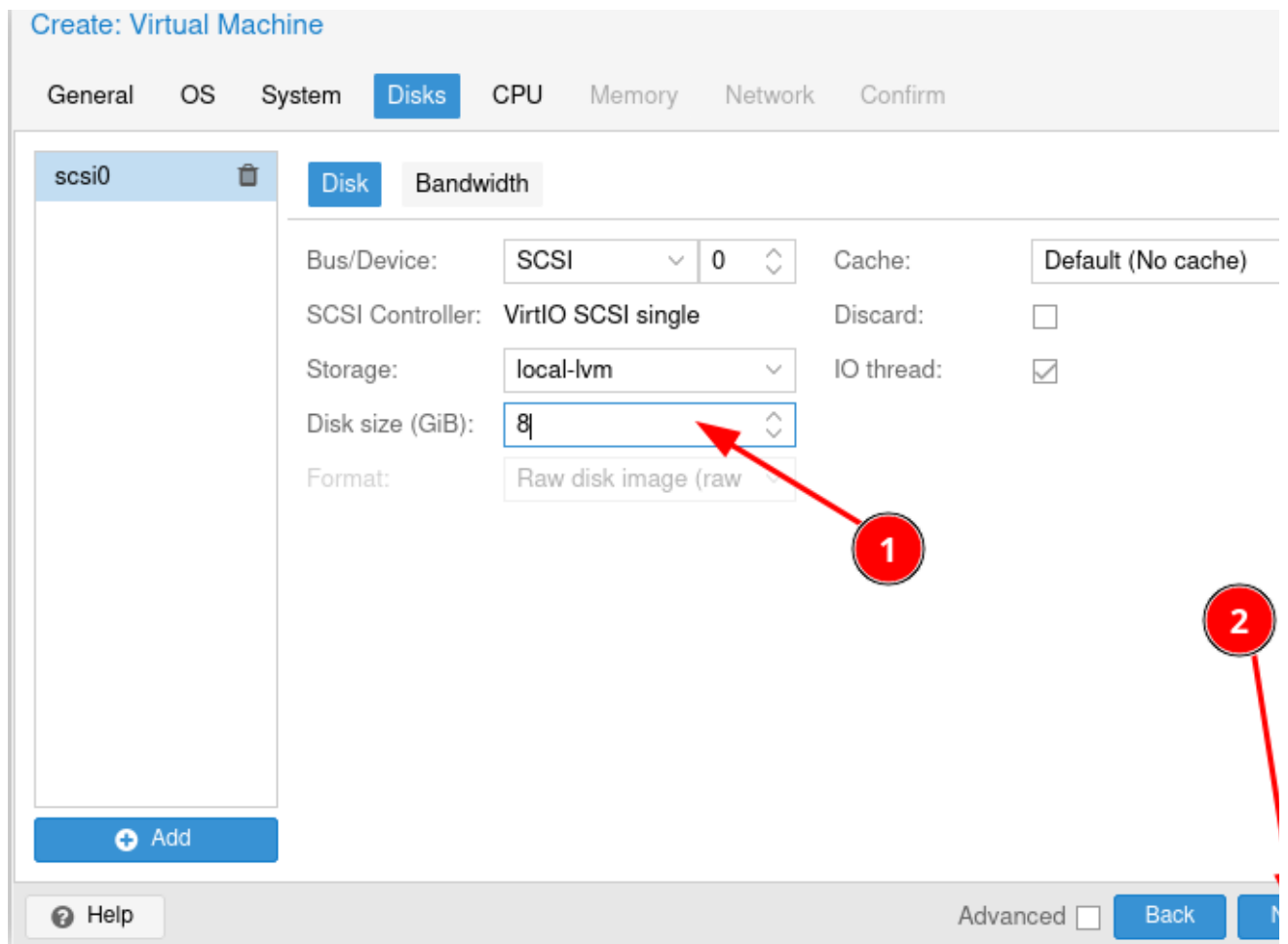
Guest OS:

Type:

Version:

Advanced

- Sur la partie système faites Next.
- Définition de la taille du disque mettre 8Go (c'est un test pas de la production)



- Choisissez le nombre de CPU et de cœurs souhaitées (en modifiant les CPU j'ai déjà eu des soucis préférer la modification des cœurs).
- Définir la mémoire souhaitée (1024 fera très bien l'affaire pour ce test).
- Connecter la future machine sur un switch pour ce test définir le switch sur vmbr0 ainsi le réseau sera le même que le serveur Proxmox.
- On peut cocher la case start after created pour démarrer la Vm directement.

### Create: Virtual Machine

General OS System Disks CPU Memory Network **Confirm**

Key ↑	Value
cores	1
ide2	local:iso/debian-12.0.0-amd64-netinst.iso,media=cdrom
memory	1024
name	DEB-test
net0	virtio,bridge=vibr0,firewall=1
nodename	pve-front-01
numa	0
ostype	l26
scsi0	local-lvm:8,iotthread=on
scsihw	virtio-scsi-single
sockets	1
vmid	100

Start after create

Advanced  **Back** **F**

### 3. Accès à la VM.

- Soit par la console web.

- Soit accès en SSH avec l'IP du serveur.

```
kvega@fr-lap10398 ~$ ssh
kvega@192.168.1.74
```

```
The authenticity of host '192.168.1.74 (192.168.1.74)' can't be established.
ED25519 key fingerprint is SHA256:ABGwORK+euXlyaXS6QPac0ta378u/5dAsCqJ3EnfuQU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.74' (ED25519) to the list of known hosts.
kvega@192.168.1.74's password:
```

```
Linux debian-test 6.1.0-9-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.27-1 (2023-05-08) x86_64
```

```
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.
```

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.
```

```
Last login: Wed Jun 28 18:03:03 2023
```

```
kvega@debian-test:~$ su -
```

```
Mot de passe :
```

```
root@debian-test:~#
```

Si vous choisissez le SSH il faudra vous connecter avec l'utilisateur que vous avez créé pendant l'installation et récupérer l'IP du serveur.

Voilà votre première Vm est créée !!

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Revision #1

Created 2023-06-28 15:11:58 UTC by kvega

Updated 2023-06-28 16:06:34 UTC by kvega