



VIRTUAL
CABLE

Importing UDS on Proxmox



UDS
ENTERPRISE

3.6



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UD Enterprise components are provided as Virtual Appliances.

In order to upload these elements to the Proxmox platform, the following tasks will be performed:

Download UDS Appliances.

Log in My UDS:





<https://www.udsenderprise.com/en/accounts/login?next=/en/my-uds/>

Go to **“My Downloads”** and select **“UDS Enterprise Appliances for OpenNebula, OpenStack, Proxmox (QCOW2 format)”**:

Component	Format	Version
UDS Enterprise Appliances compatible with VMware vSphere / Cloud Director	OVA	3.5
UDS Enterprise Appliances compatible with Citrix Hypervisor / XCP-ng	XVA	3.5
UDS Enterprise Appliances compatible with Nutanix AHV	RAW / QCOW2	3.5
UDS Enterprise Appliances compatible with Microsoft Azure	VHD	3.5
UDS Enterprise Appliances compatible with Amazon Web Services (AWS)	OVA	3.5
UDS Enterprise Appliances compatible with Microsoft Hyper-V	VHDX	3.5
UDS Enterprise Appliances for OpenStack, OpenNebula, Proxmox...	RAW	3.5
UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox...	QCOW2	3.5

This will take you to a download repository where you’ll find the UDS Appliances:

Index of /3.6/stable/qcow2

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory		-	
 UDS-Dbserver-qcow2.3.6.0.zip	2023-11-14 17:15	530M	
 UDS-Server-qcow2.3.6.0.zip	2023-11-14 16:18	1.3G	
 UDS-Tunnel-qcow2.3.6.0.zip	2023-11-14 16:17	820M	

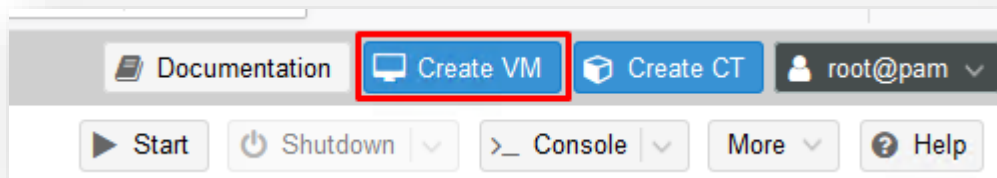
Import UDS Appliances on the virtual platform

See below an example with the UDS Server Appliance (**UDS-Server-X.X.qcow2**).

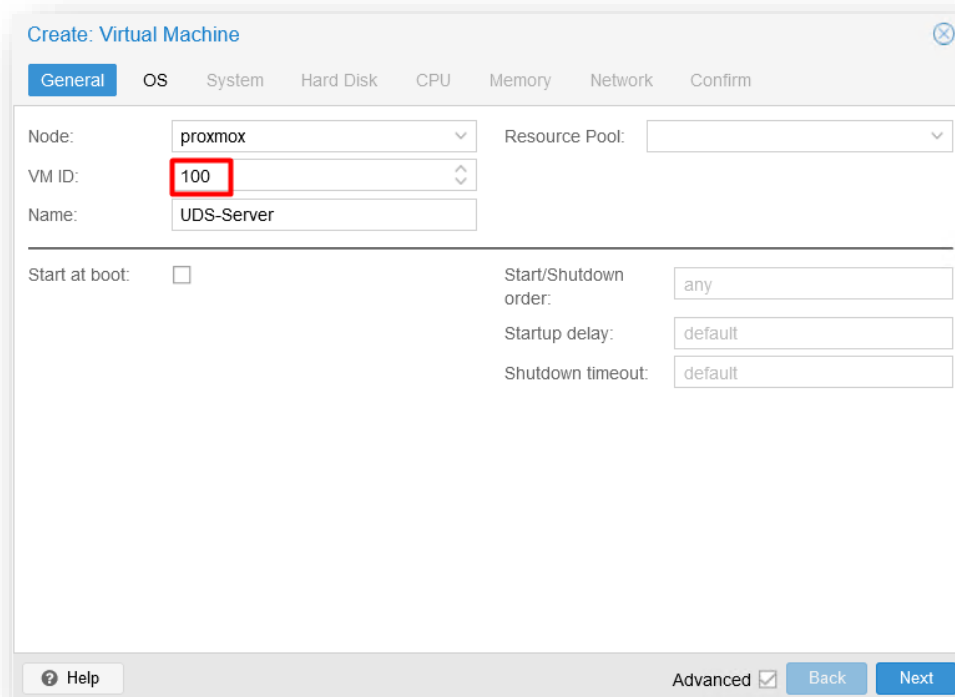
The minimum hardware requirements are:

VM	Memory (MB)	vCPUs	STORAGE
MySQL	1024	2	10
Server	2048	2	10
Tunnel	2048	2	15

Access the Proxmox environment and create a new virtual machine:

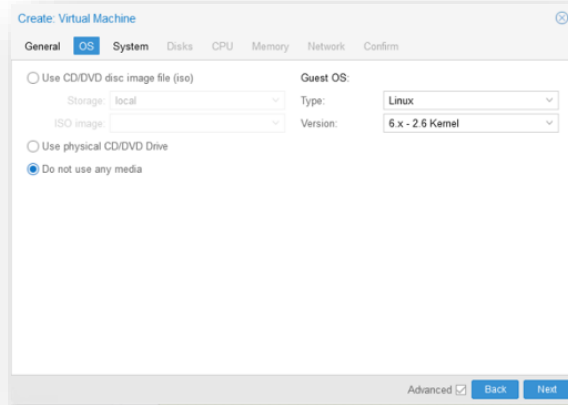


Name the new virtual machine and pay attention to the VM ID, it will be used later.

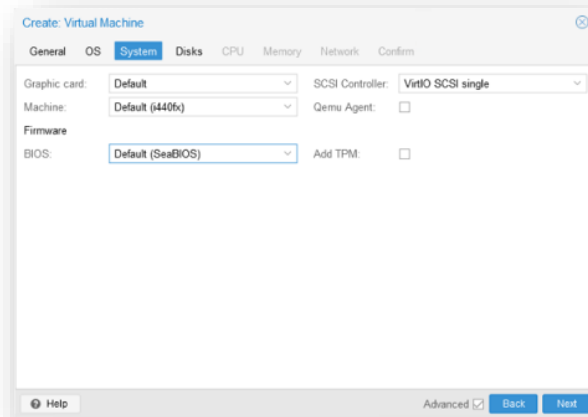


Importing UDS on Proxmox

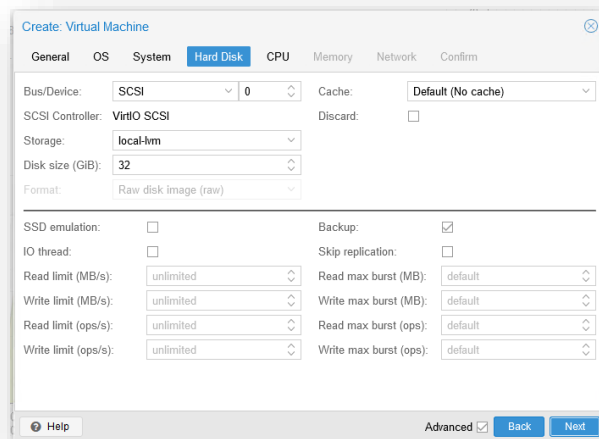
In this case an ISO file will not be used. Select the **“Do not use any media”** option.



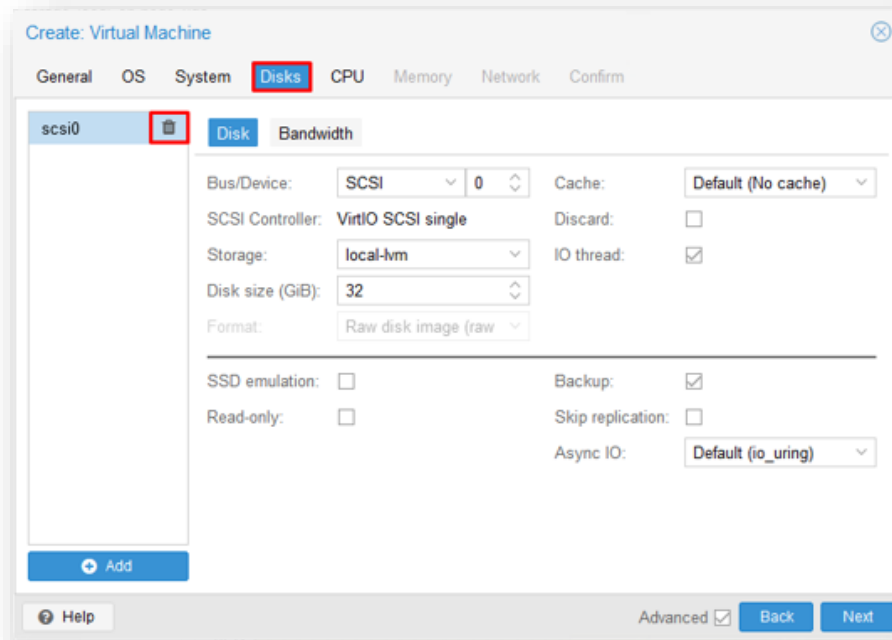
On the **“System”** tab, leave all the options by default.



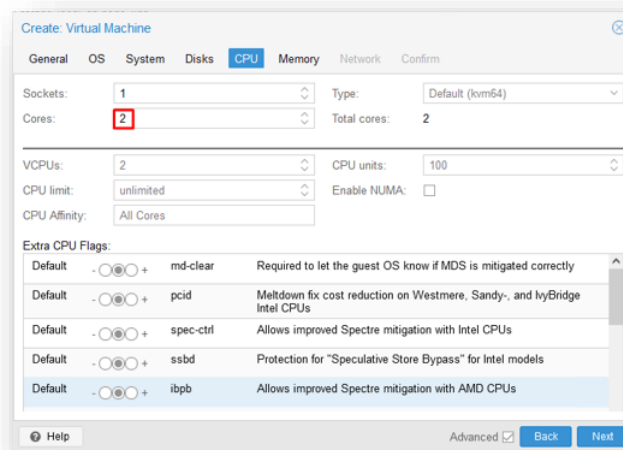
The size of the disk can be selected on the **“Hard Disk”** tab. In this case, it does not matter the size established, since it will be replaced later.



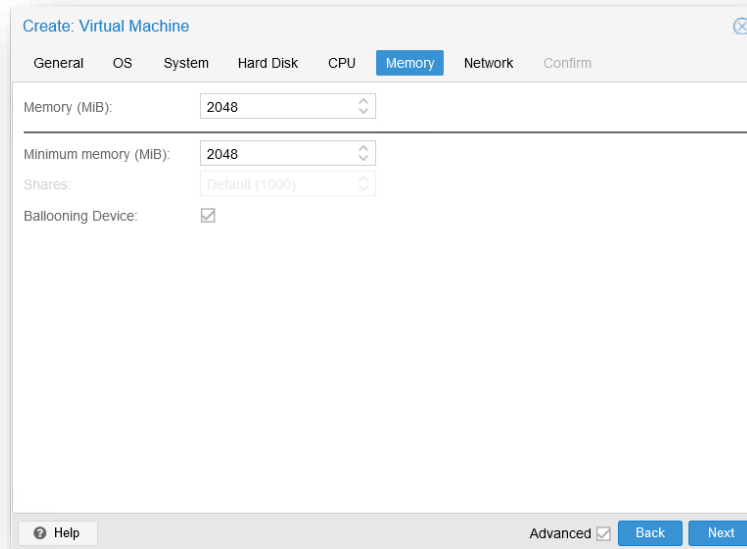
NOTE: in the new versions of Proxmox (from 7.1 and ahead) there is a new tab called "Disk" where we can add or delete the disks that the machine will use, in this case we can eliminate all the disks since it will be the one that we import the one that the machine will use later .



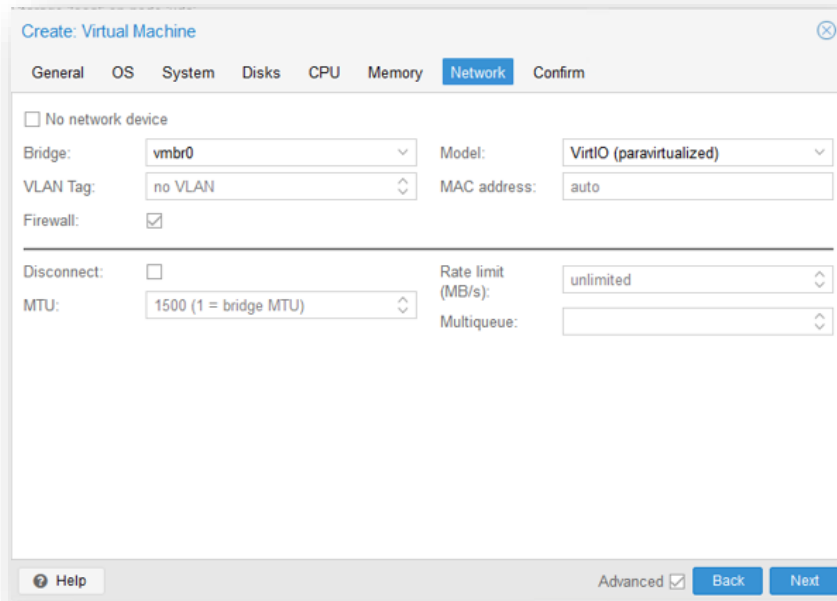
The virtual cores can be assigned on the "CPU" tab. At least 2 are necessary.



The RAM memory can be assigned on the “**Memory**” tab. At least 2 GB are necessary.



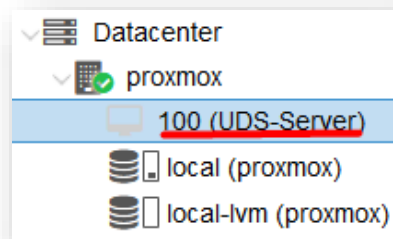
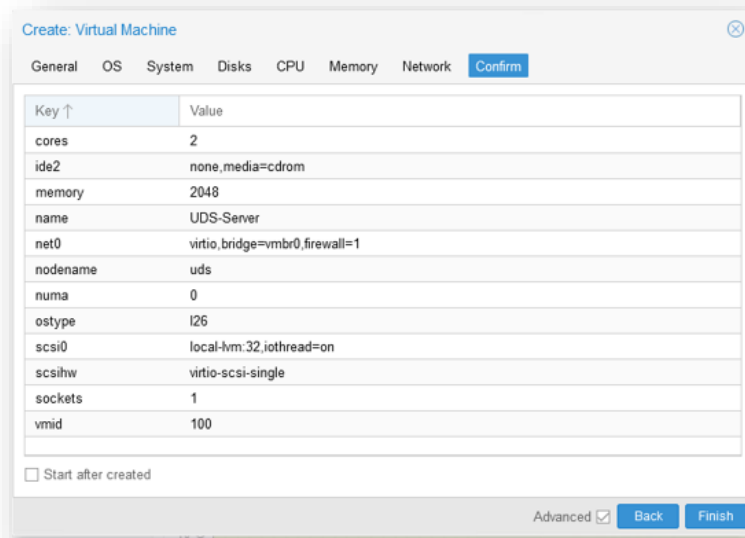
The network adapter can be chosen on the “**Network**” tab.



Importing UDS on Proxmox

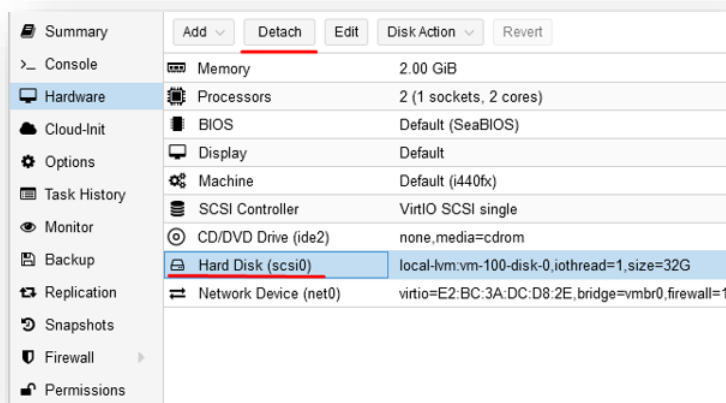
On the **"Confirm"** tab, you can see a summary of the previous configurations applied.

NOTE: Do not check the **"start after created"** box.

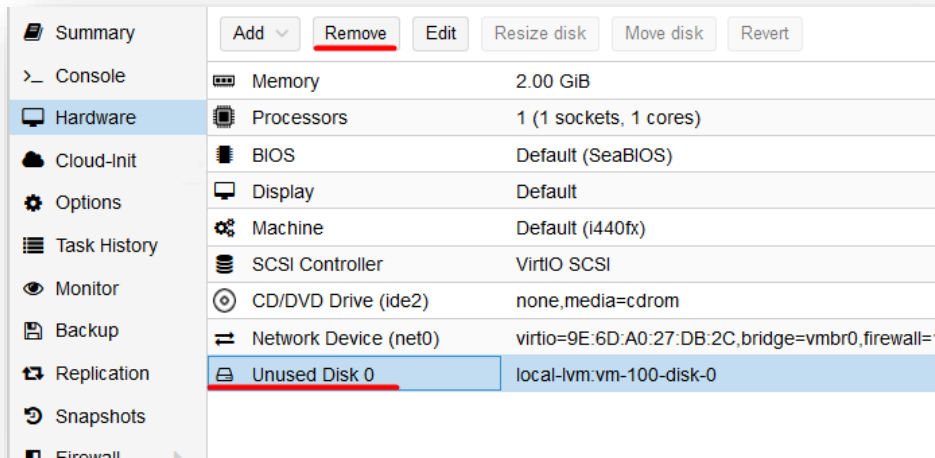


The virtual machine is already created. Now the hard disk has to be replaced with the new one that contains the UDS-Server image in **QCOW2** format.

In the **"Hardware"** tab, select the disk and choose the option **"Detach"** to remove the disk previously generated.



Once detached, click on the "Remove" tab to delete it.



Once removed, access into the Proxmox terminal to insert the UDS-Server appliance in **QCOW2** format.

First download the appliances and unzip them:

`wget https://images.udsenderprise.com/3.6/stable/qcow2/UDS-Server-qcow2.3.6.0.zip`

`unzip UDS-Server-qcow2.3.6.0.qcow2`

```

root@uds:~# wget https://images.udsenderprise.com/3.6/beta/qcow2/UDS-Server-qcow2.3.6.0.zip
--2023-03-30 11:40:41-- https://images.udsenderprise.com/3.6/beta/qcow2/UDS-Server-qcow2.3.6.0.zip
Resolving images.udsenderprise.com (images.udsenderprise.com)... 188.165.133.128
Connecting to images.udsenderprise.com (images.udsenderprise.com)|188.165.133.128|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1365884688 (1.3G) [application/zip]
Saving to: 'UDS-Server-qcow2.3.6.0.zip'

UDS-Server-qcow2.3.6.0.zip 100%[=====>] 1.27G 81.4MB/s in 15s
2023-03-30 11:40:56 (86.8 MB/s) - 'UDS-Server-qcow2.3.6.0.zip' saved [1365884688/1365884688]

root@uds:~# unzip UDS-Server-qcow2.3.6.0.zip
Archive:  UDS-Server-qcow2.3.6.0.zip
  inflating: UDS-Server-qcow2.3.6.0.qcow2
root@uds:~#

```

Type the following command:

`qm importdisk "id_machine" "path_image" "storage_proxmox"`



```

root@uds:~# qm importdisk 100 UDS-Server-qcow2.3.6.0.qcow2 local-lvm

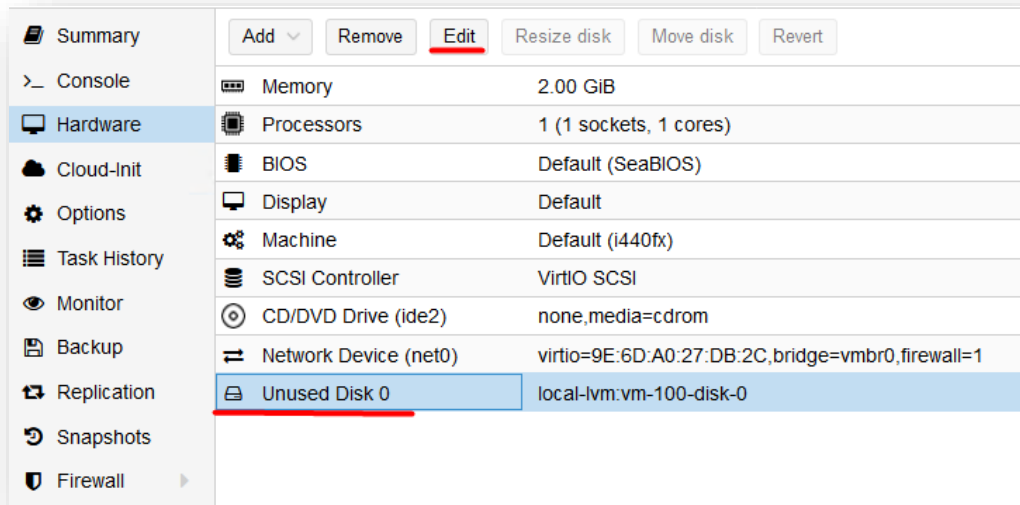
```

← Machine ID
↓ Disk path
← Proxmox storage

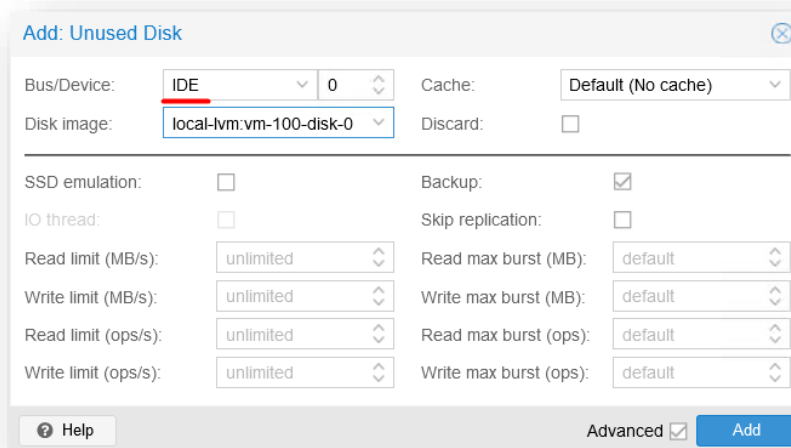
Once finished, you can go back to the GUI:

```
transferred: 8589934592 bytes remaining: 0 bytes total: 8589934592 bytes progression: 100.00 %
transferred: 8589934592 bytes remaining: 0 bytes total: 8589934592 bytes progression: 100.00 %
Successfully imported disk as 'unused0:local-lvm:vm-100-disk-0'
```

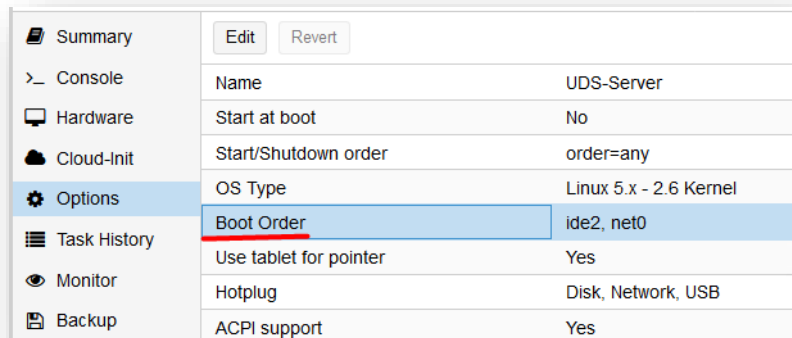
On the **“Hardware”** tab section, you can edit the unused disk.



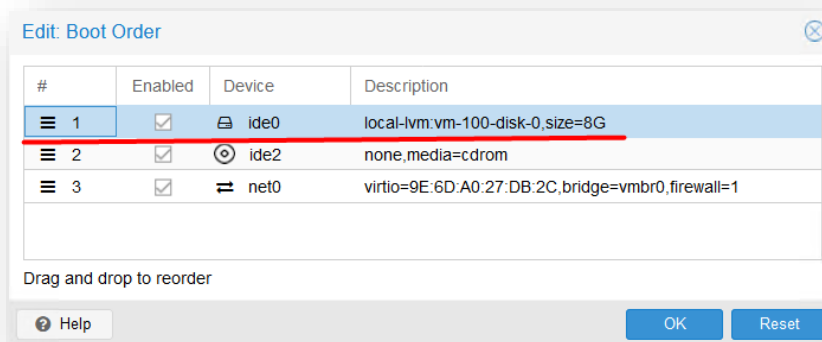
Note that the **“Bus”** type must be **IDE**.



The next step is to configure the boot order:



The imported image has to be the first one.



The virtual machine can be started now:



About Virtual Cable

[Virtual Cable](#) is a company specialized in the **digital transformation** of the **workplace**. The company develops, supports and markets UDS Enterprise. Its team of experts has designed **VDI** solutions tailored to **each sector** to provide a unique user experience fully adapted to the needs of each user profile. Virtual Cable professionals have **more than 30 years of experience** in IT and software development and more than 15 in virtualization technologies. **Millions of Windows and Linux virtual desktops with UDS Enterprise are deployed all over the world every day.**