



IMPORTING UDS ON PROXMOX

UD Enterprise components are provided as Virtual Appliances. In order to upload these elements to the Proxmox platform, the following tasks will be performed:

1. 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	3.0
UDS Enterprise Appliances compatible with Citrix Hypervisor / XCP-ng	OVA	3.0
UDS Enterprise Appliances compatible with Nutanix AHV	RAW / QCOW2	3.0
UDS Enterprise Appliances compatible with Microsoft Azure	VHD	3.0
UDS Enterprise Appliances compatible with Microsoft Hyper-V	VHDX	3.0
UDS Enterprise Appliances for OpenStack, OpenNebula, Proxmox...	RAW	3.0
UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox...	QCOW2	3.0

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

Index of /3.5/stable/qcow2

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
Parent Directory		-	
UDS-Dbserver-qcow2.3.5.0.zip	2022-03-06 23:06	517M	
UDS-Server-qcow2.3.5.0.zip	2022-03-06 23:07	1.3G	
UDS-Tunnel-qcow2.3.5.0.zip	2022-03-06 23:08	759M	



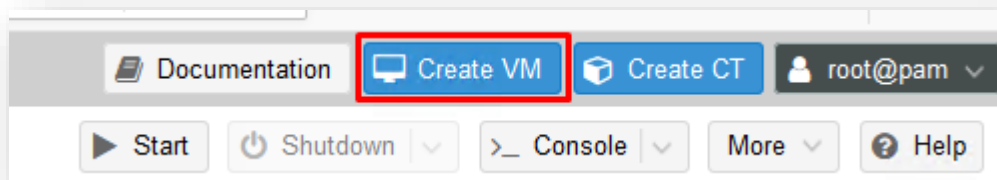
2. Import UDS Appliances on the virtual platform

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

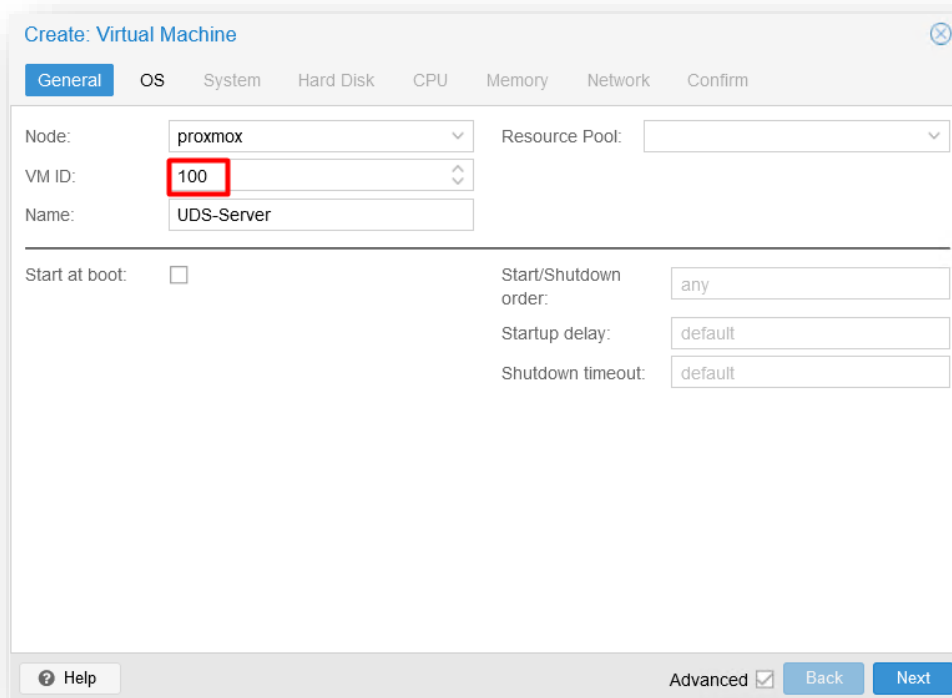
The minimum hardware requirements are:

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:

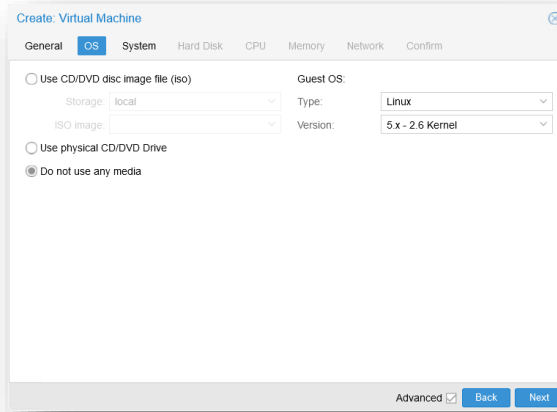


Name the new virtual machine and pay attention to the VM ID, it will be used later.

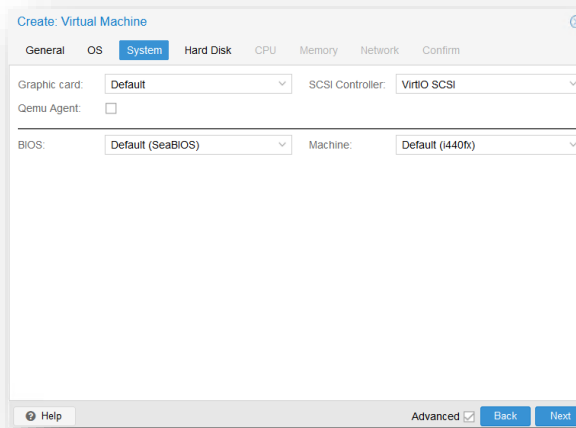




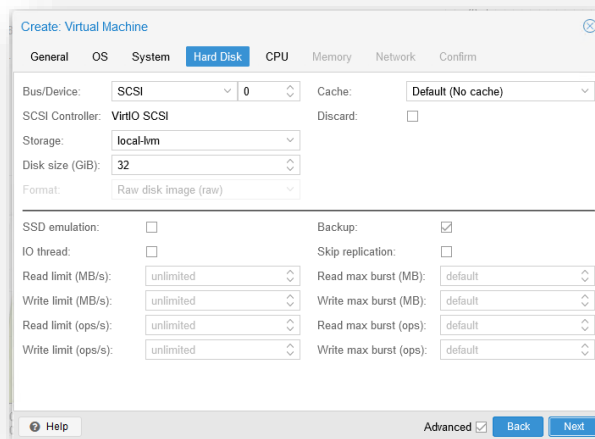
In this case an ISO file will not be used. Select the **“Do not use any media”** option.



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



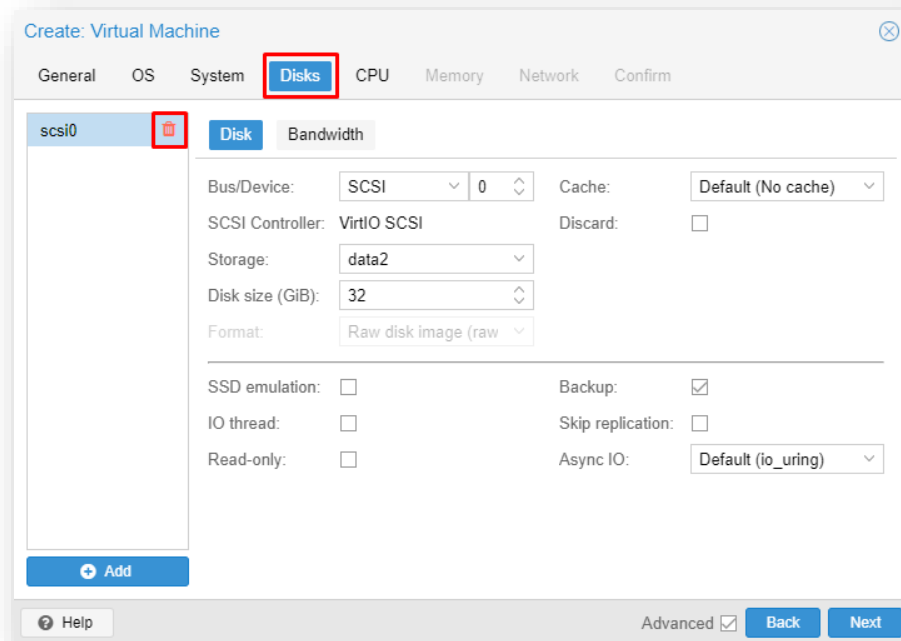
The size of the disk can be selected on the **“Hard Disk”** tab. In this case, it does not matter the size established, since it will be replaced later.



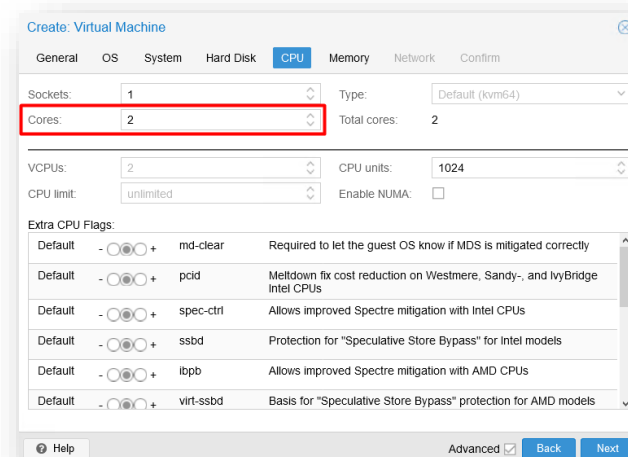


Importing UDS on Proxmox

NOTE: in the new versions of Proxmox (7.1) 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 screenshot shows the 'Create: Virtual Machine' dialog box with the 'Memory' tab selected. The 'Memory (MiB)' field is set to 2048. The 'Minimum memory (MiB)' field is also set to 2048. The 'Shares' field is set to 'Default (1000)'. The 'Ballooning Device' checkbox is checked. The 'Advanced' checkbox is also checked. The 'Back' and 'Next' buttons are visible at the bottom right.

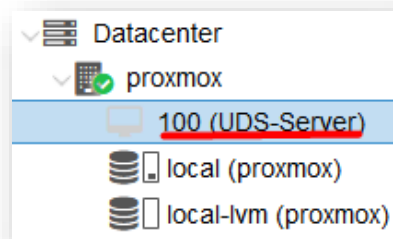
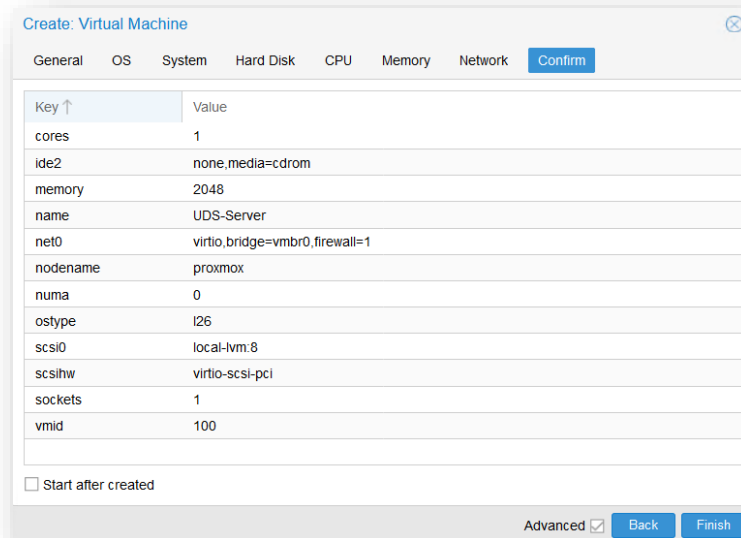
The network adapter can be chosen on the “**Network**” tab.

The screenshot shows the 'Create: Virtual Machine' dialog box with the 'Network' tab selected. The 'No network device' checkbox is unchecked. The 'Bridge' field is set to 'vmbro'. The 'Model' field is set to 'VirtIO (paravirtualized)'. The 'VLAN Tag' field is set to 'no VLAN'. The 'MAC address' field is set to 'auto'. The 'Firewall' checkbox is checked. The 'Disconnect' checkbox is unchecked. The 'Rate limit (MB/s)' field is set to 'unlimited'. The 'Multiqueue' field is empty. The 'Advanced' checkbox is checked. The 'Back' and 'Next' buttons are visible at the bottom right.



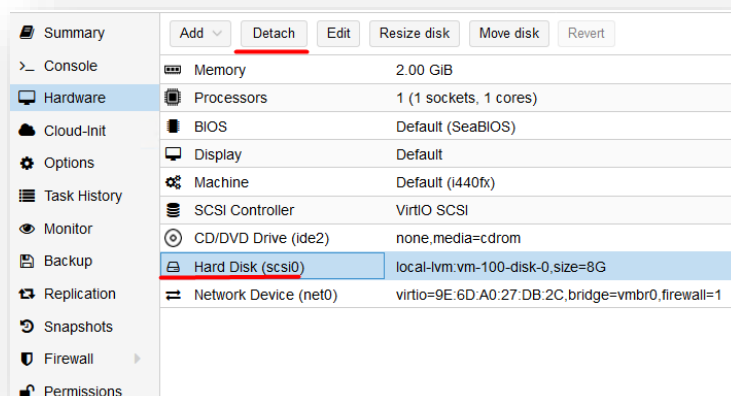
On the “**Confirm**” tab, you can see a summary of the previous configurations applied.

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



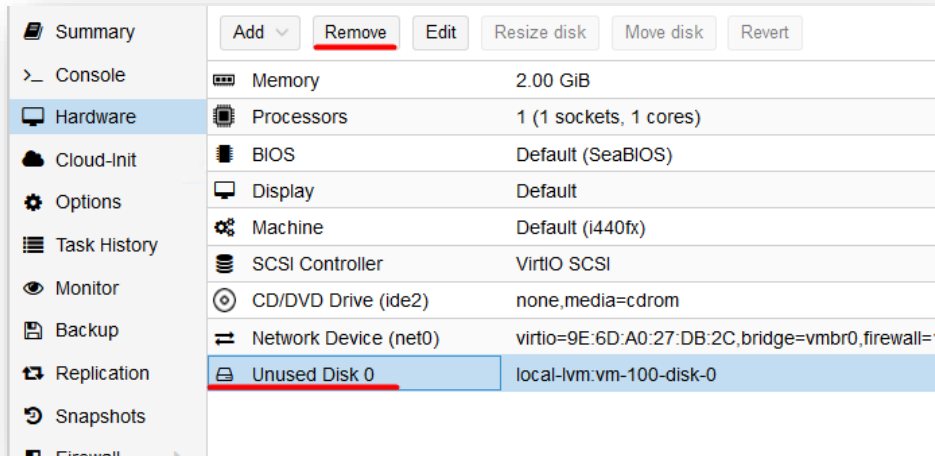
The virtual machine is already created. Now the hard disk has to be replaced with the new one that contains the UDS-Server image in **QCOW2** format.

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/3.0/stable/qcow2/UDS-Server-qcow2.3.0.0.zip>

unzip UDS-Server-qcow2.3.0.0.qcow2

```
root@pve:~# wget https://images.udsenderprise.com/3.5/rc1/qcow2/UDS-Server-qcow2.3.5.0.zip
--2022-01-11 11:25:34-- https://images.udsenderprise.com/3.5/rc1/qcow2/UDS-Server-qcow2.3.5.0.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: 1377613217 (1.3G) [application/zip]
Saving to: 'UDS-Server-qcow2.3.5.0.zip'

UDS-Server-qcow2.3.5.0.zip 100%[=====] 1.28G 18.2MB/s in 64s

2022-01-11 11:26:39 (20.5 MB/s) - 'UDS-Server-qcow2.3.5.0.zip' saved [1377613217/1377613217]

root@pve:~# unzip UDS-Server-qcow2.3.5.0.zip
Archive:  UDS-Server-qcow2.3.5.0.zip
  inflating: UDS-Server-qcow2.3.5.0.qcow2
root@pve:~#
```

Type the following command:

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

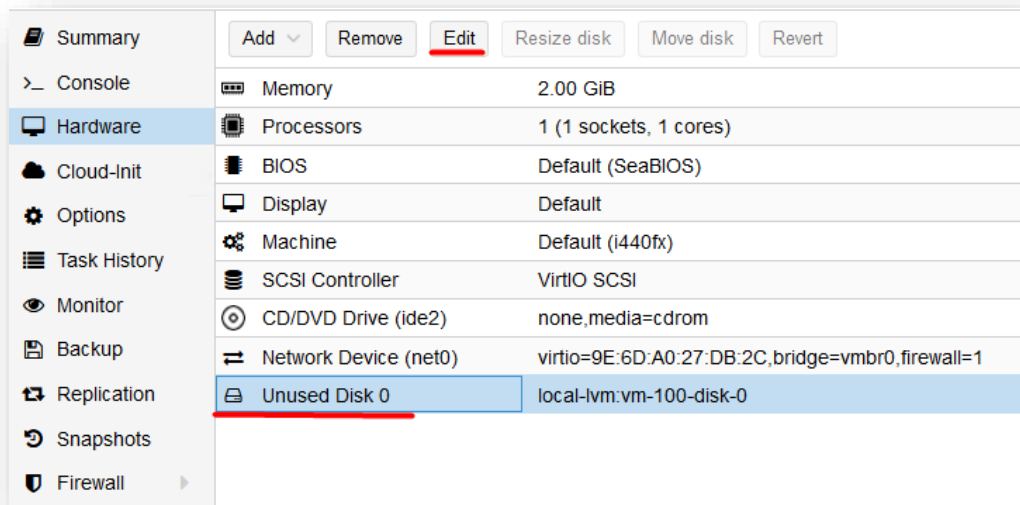




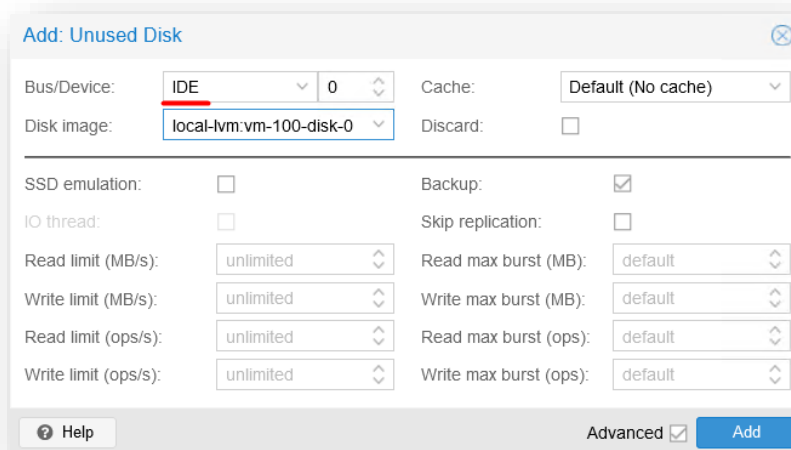
Once finished, you can go back to the GUI:

```
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'
root@proxmox:~# qm importdisk 100 ISOs/UDS-Server-qcow2.3.0.0.qcow2 local-lvm
```

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

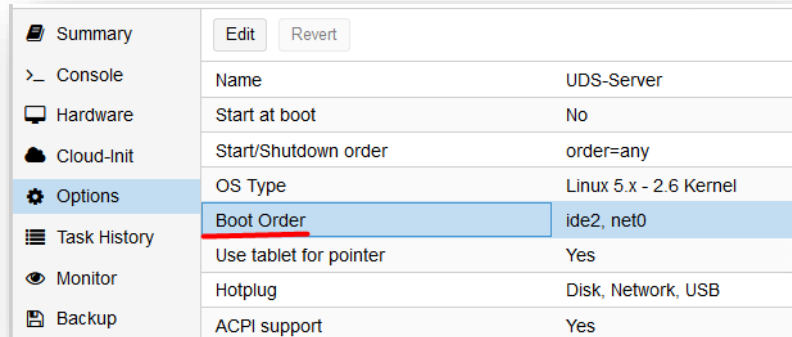


Note that the “**Bus**” type must be **IDE**.

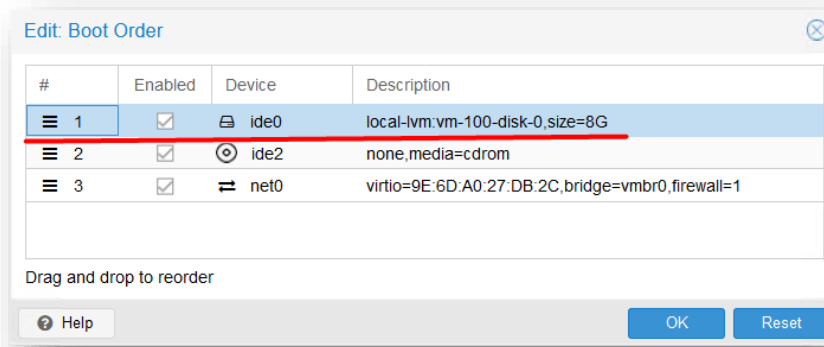




The next step is to configure the boot order:



The imported image has to be the first one.



The virtual machine can be started now:





About Virtual Cable

Virtual Cable develops, supports and commercializes UDS Enterprise through a subscription model based on the number of users, including support and software updates.

In addition, Virtual Cable offers professional services to install and configure UDS Enterprise.

For further information, visit www.udsenderprise.com or email us at info@udsenderprise.com.