



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 /3.0/stable/qcow2

Name	Last modified	Size	Description
Parent Directory		-	
UDS-Dbserver-qcow2.3.0.0.zip	2021-01-25 10:12	484M	
UDS-Server-qcow2.3.0.0.zip	2021-01-25 10:13	811M	
UDS-Tunnel-qcow2.3.0.0.zip	2021-01-25 10:14	734M	

Apache/2.4.25 (Debian) Server at images.udsenderprise.com Port 443



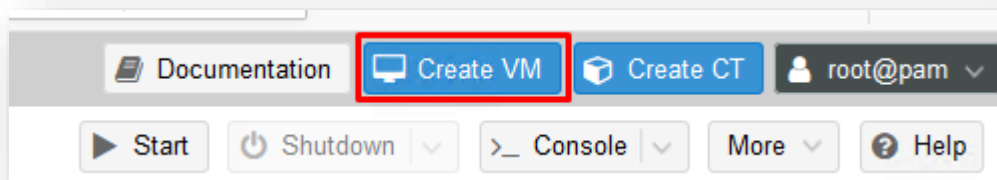
2. Import UDS Appliances on the virtual platform

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

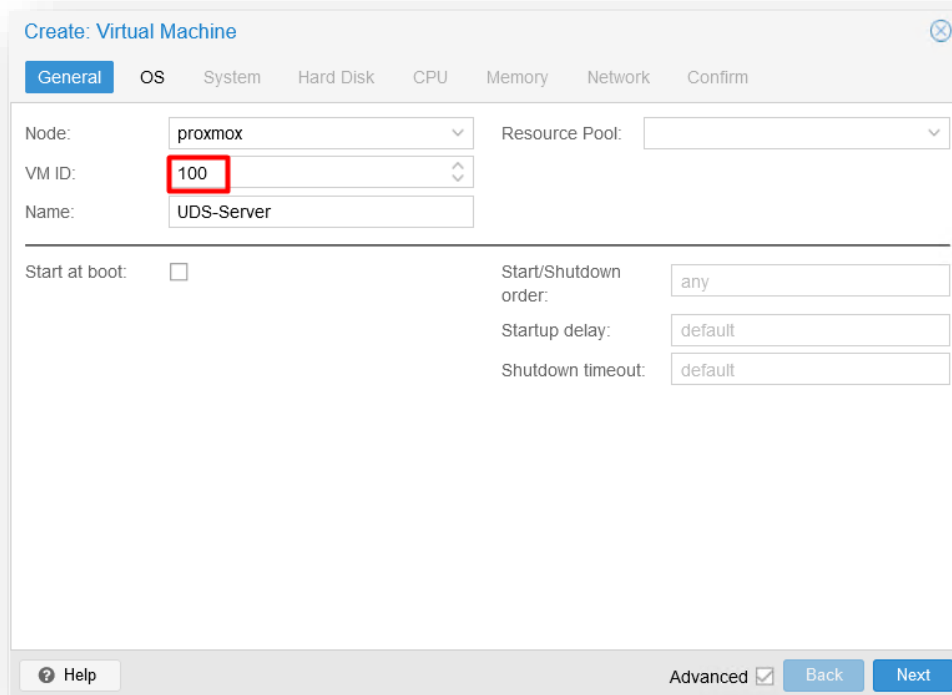
The minimum hardware requirements are:

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:

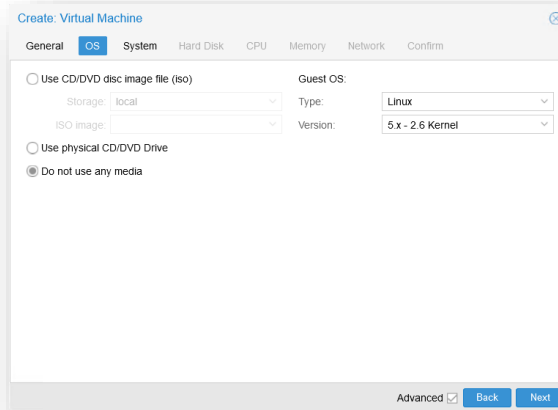


Name the new virtual machine and pay attention to the VM ID, it will be used later.

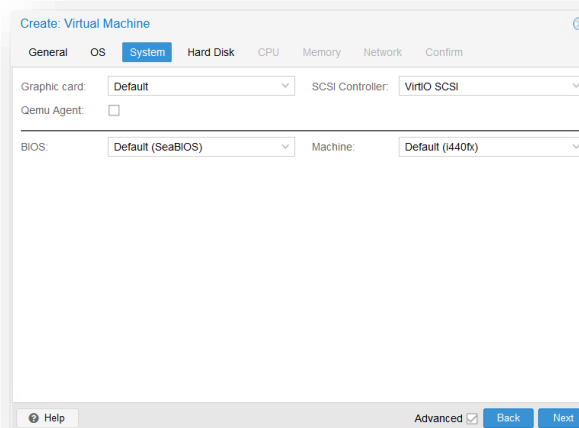




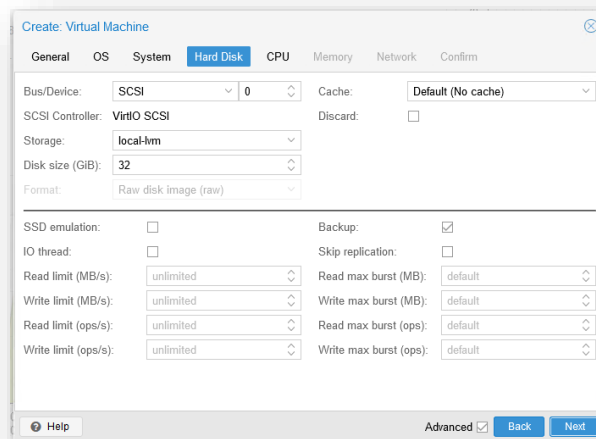
In this case an ISO file will not be used. Select the “**Do not use any media**” option.



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.





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

Create: Virtual Machine

General OS System Hard Disk **CPU** Memory Network Confirm

Sockets: 1 Type: Default (kvm64)

Cores: 2 Total cores: 2

VCPUs: 2 CPU units: 1024

CPU limit: unlimited Enable NUMA:

Extra CPU Flags:

Default	<input type="radio"/>	md-clear	Required to let the guest OS know if MDS is mitigated correctly
Default	<input type="radio"/>	pcid	Meltdown fix cost reduction on Westmere, Sandy-, and IvyBridge Intel CPUs
Default	<input type="radio"/>	spec-ctrl	Allows improved Spectre mitigation with Intel CPUs
Default	<input type="radio"/>	ssbd	Protection for "Speculative Store Bypass" for Intel models
Default	<input type="radio"/>	ibpb	Allows improved Spectre mitigation with AMD CPUs
Default	<input type="radio"/>	virt-ssbd	Basis for "Speculative Store Bypass" protection for AMD models

Help Advanced Back Next

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

Create: Virtual Machine

General OS System Hard Disk CPU **Memory** Network Confirm

Memory (MiB): 2048

Minimum memory (MiB): 2048

Shares: Default (1000)

Ballooning Device:

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

Create: Virtual Machine

General OS System Hard Disk CPU Memory **Network** Confirm

No network device

Bridge: vmbro Model: VirtIO (paravirtualized)

VLAN Tag: no VLAN MAC address: auto

Firewall:

Disconnect: Rate limit (MB/s): unlimited

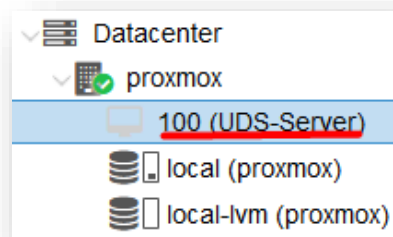
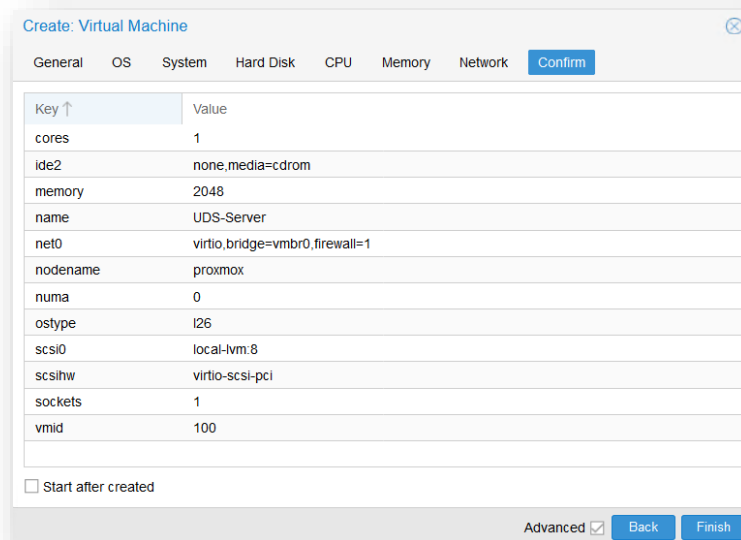
Multiqueue:

Help Advanced Back Next



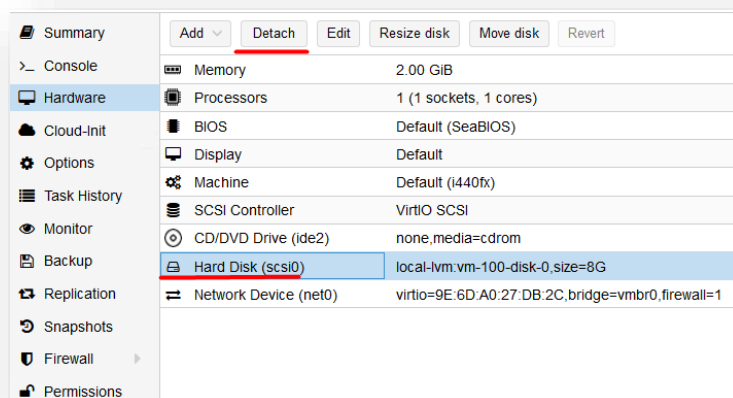
On the “**Confirm**” tab, you can see a summary of the previous configurations applied.

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



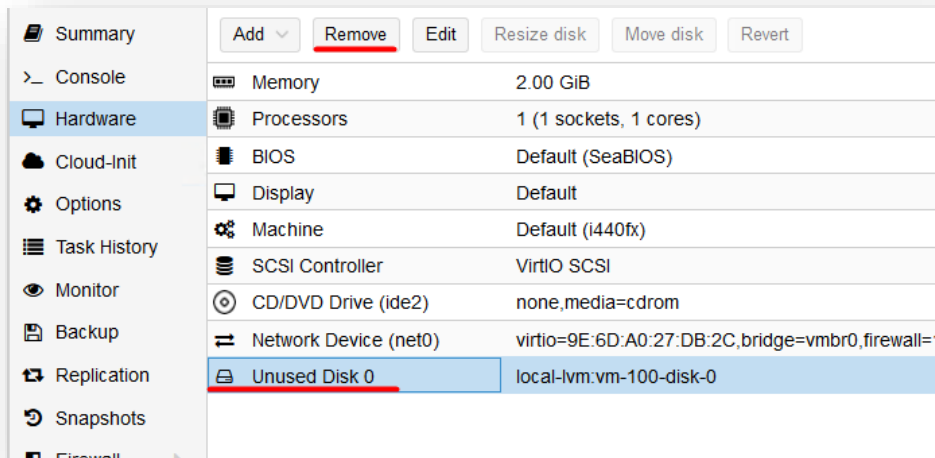
The virtual machine is already created. Now the hard disk has to be replaced with the new one that contains the UDS-Server image in **QCOW2** format.

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@proxmox:~# wget https://images.udsenderprise.com/3.0/stable/qcow2/UDS-Server-qcow2.3.0.0.zip
--2021-06-11 10:16:32-- https://images.udsenderprise.com/3.0/stable/qcow2/UDS-Server-qcow2.3.0.0.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: 917411876 (875M) [application/zip]
Saving to: 'UDS-Server-qcow2.3.0.0.zip'

UDS-Server-qcow2.3.0.0.zip  100%[=====>] 874.91M
2021-06-11 10:16:55 (38.1 MB/s) - 'UDS-Server-qcow2.3.0.0.zip' saved [917411876/917411876]

root@proxmox:~# unzip UDS-Server-qcow2.3.0.0.zip
Archive:  UDS-Server-qcow2.3.0.0.zip
  inflating: UDS-Server-qcow2.3.0.0.qcow2
root@proxmox:~#
```

Type the following command:

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

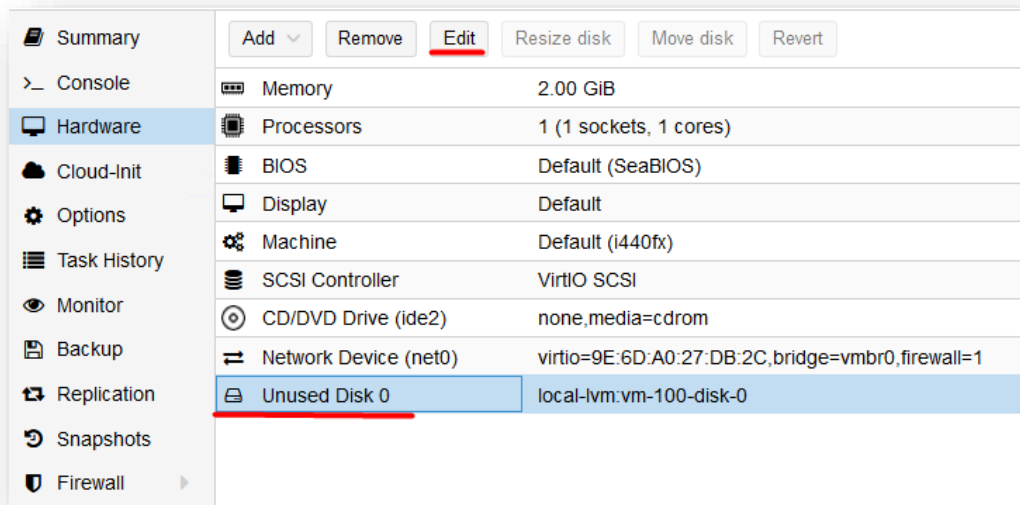




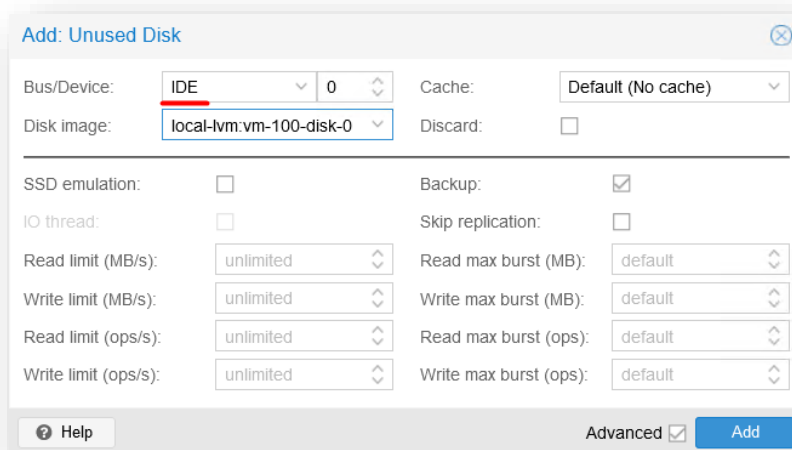
Once finished, you can go back to the GUI:

```
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.

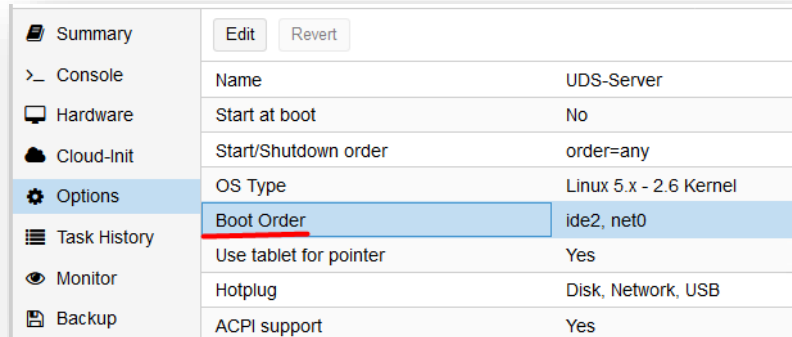


Note that the “**Bus**” type must be **IDE**.

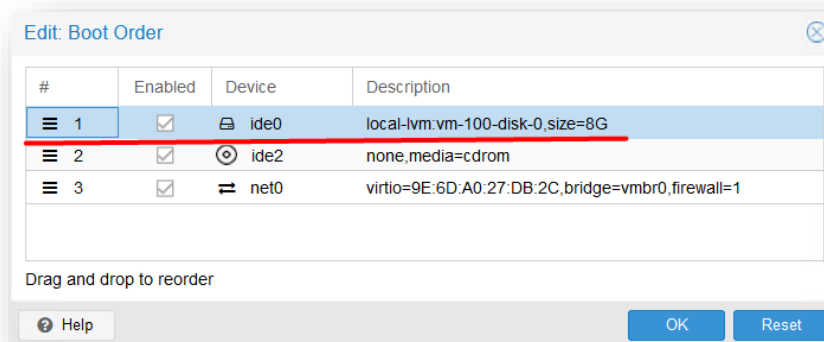




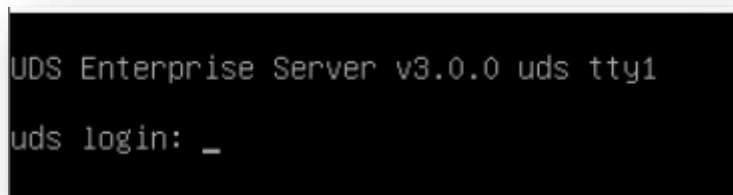
The next step is to configure the boot order:



The imported image has to be the first one.



The virtual machine can be started now:





3. Start UDS servers

Once the import of the UDS Appliance is finished, turn on the VM and start a console to begin with the server configuration.

Click on "**Start**" and select the "**Console**" tab in the menu. Wait for the VM to start and you can proceed with the configuration of the UDS Appliance (see [Installation, Administration and User Manual of UDS Enterprise](#)).



NOTES:

1. If you want to use the UDS Tunnel component (which will provide you with WAN access and HTML5 access to the different services) repeat the same tasks previously described using the UDS-Tunnel.xxova file.
2. If you do not have your own database server to host the UDS Enterprise database, from the same repository you can download a virtual machine with a database server already prepared for this purpose. We remind you that this server is not part of UDS Enterprise, and therefore, it is not supported.



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.