



IMPORTING UDS ON OVIRT

UDS Enterprise components are provided as Virtual Appliances.
To upload these elements into the oVirt platform, perform the following tasks:

1. Download UDS Appliances

Access your account at:

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

Once inside, in the "My Downloads" section, select "UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox (QCOW2 Format)":

Componente	Formato	Versión
UDS Enterprise Appliances compatibles con VMware vSphere / Cloud Director	OVA	3.0
UDS Enterprise Appliances compatibles con Citrix Hypervisor / XCP-ng	OVA	3.0
UDS Enterprise Appliances compatibles con Nutanix AHV	RAW / QCOW2	3.0
UDS Enterprise Appliances compatibles con Microsoft Azure	VHD	3.0
UDS Enterprise Appliances compatibles con Microsoft Hyper-V	VHDX	3.0
UDS Enterprise Appliances para OpenNebula, OpenStack, Proxmox...	RAW	3.0
UDS Enterprise Appliances para OpenNebula, OpenStack, oVirt, Proxmox...	QCOW2	3.0

It will take you to a download repository where you will find the UDS Appliances:

Index of /3.0/stable/qcow2

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
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	

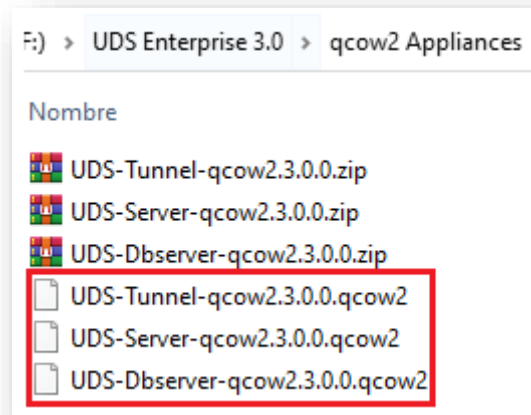
Apache/2.4.25 (Debian) Server at images.udsenderprise.com Port 443



2. Import UDS Appliances to the virtual platform

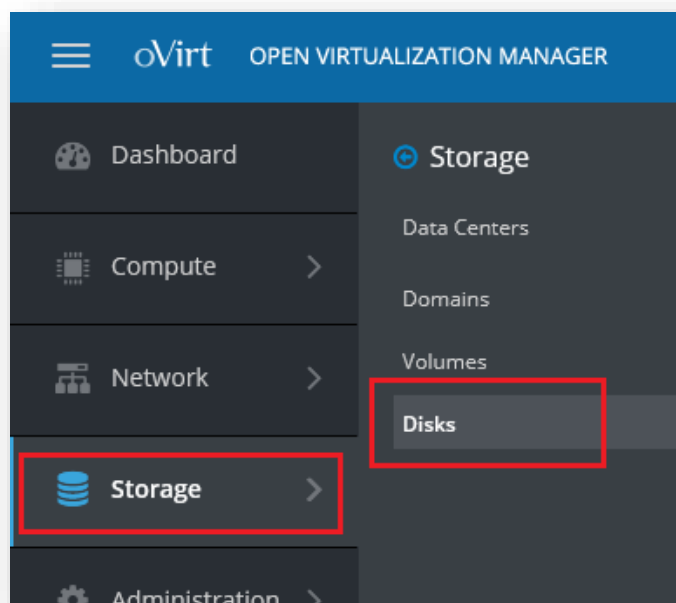
Download the UDS Appliances. See below an example with the UDS Server Appliance (UDS-Server-qcow2.3.0.0).

Download the .zip file and unzip it:



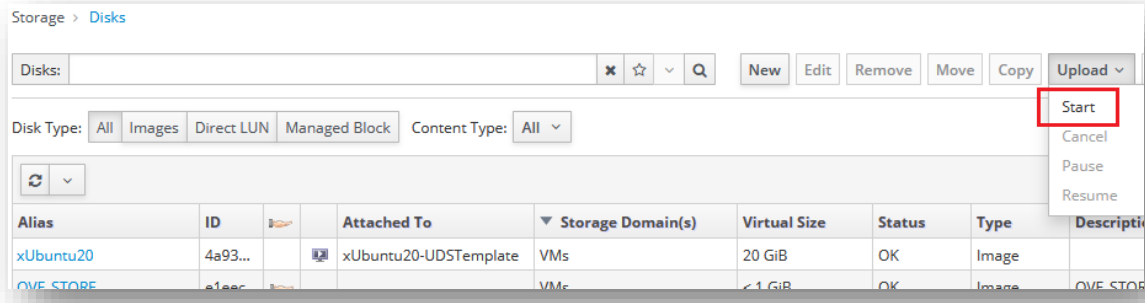
Access the oVirt environment through the oVirt-engine manager and proceed to import the server's virtual disk (in qcow2 format).

In the "Storage" menu access the "Disk" section

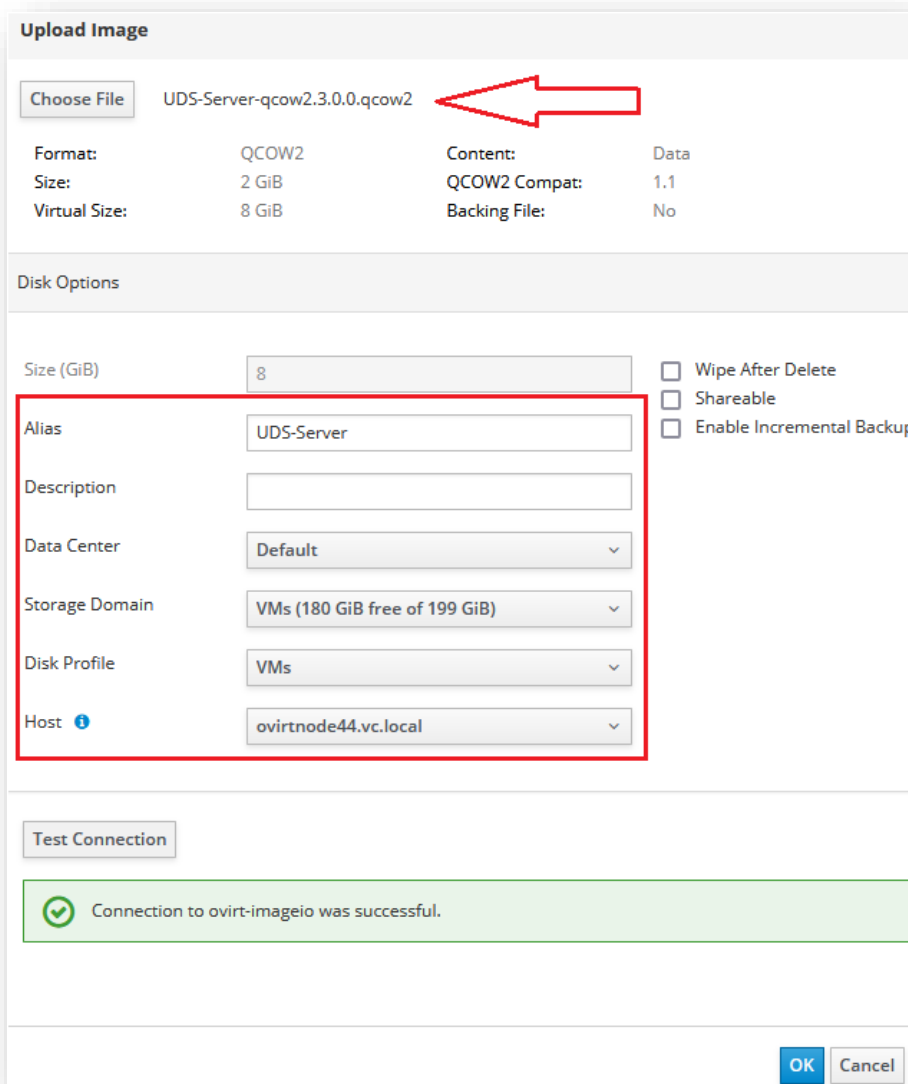




To import the disks from the UDS servers, in the menu select “Upload” and then “Start”:



In the import wizard you must indicate the server's disk file in qcow2 format, and a name in which storage and host will be hosted.





Once the data has been indicated and the connection test has been carried out, click on “OK” for the import process to start:

Alias	ID	Attached To	Storage Domain(s)	Virtual Size	Status	Type
xUbuntu20	4a93...	xUbuntu20-UDSTemplate	VMs	20 GiB	OK	Image
UDS-Server	1464...		VMs	8 GiB	Import 372 of 2220 MB	Image
OVF_STORE	e1eec...		VMs	< 1 GiB	OK	Image
OVF_STORE	1e2a...		VMs	< 1 GiB	OK	Image

Once finished, proceed to import the rest of the UDS components (if necessary):

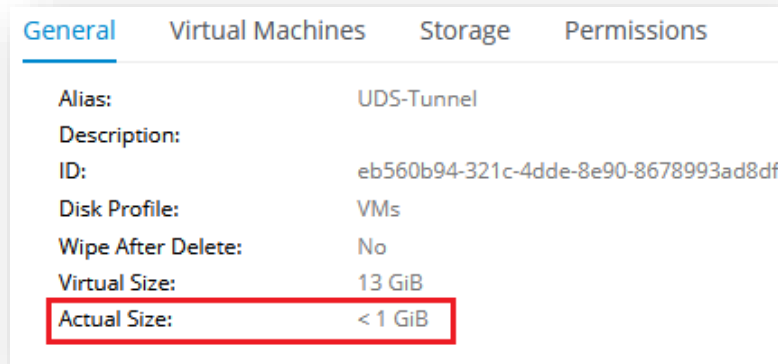
Alias	ID	Attached To	Storage Domain(s)	Virtual Size	Status	Type
xUbuntu20	4a93...	xUbuntu20-UDSTemplate	VMs	20 GiB	OK	Image
UDS-Tunnel	331f8...		VMs	13 GiB	OK	Image
UDS-Server	1464...		VMs	8 GiB	OK	Image
UDS-DBServer	55dc...		VMs	10 GiB	OK	Image
OVF_STORE	e1eec...		VMs	< 1 GiB	OK	Image

You have to confirm that the import process has been successful. To do this, access the disk that you have just imported and confirm that it has a size greater than 1 GB:

General	Virtual Machines	Storage	Permissions
Alias:	UDS-Tunnel		
Description:			
ID:	331f860b-bff6-4c09-86e1-5d0f8e46a016		
Disk Profile:	VMs		
Wipe After Delete:	No		
Virtual Size:	13 GiB		
Actual Size:	3 GiB		

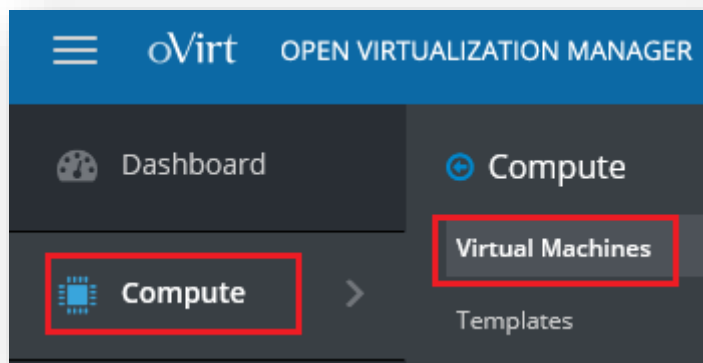


If after a while since the import started the size is less than 1 GB, you will have to repeat the process, since that means that the disk is not been imported correctly:

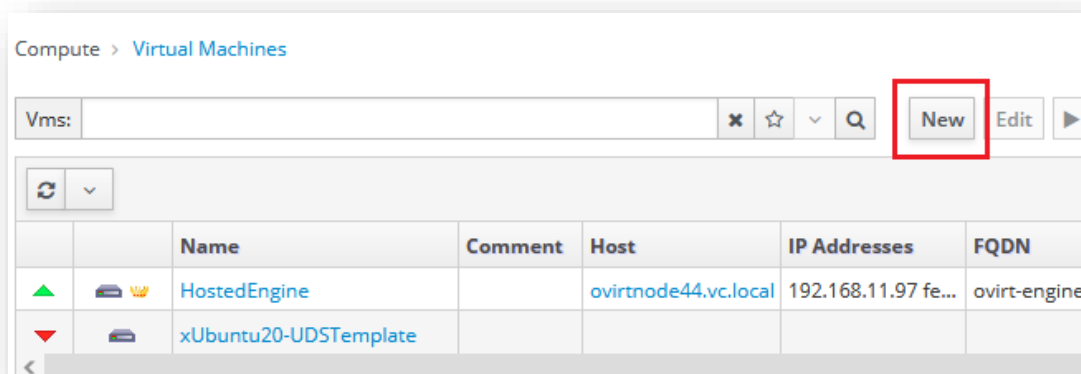


Once you have the disks of the UDS components hosted on the oVirt platform, proceed to create the virtual machines that will make up the UDS servers.

In the "Compute" menu access the "Virtual Machines" section:



To run the virtual machine creation wizard, select "New":





In the wizard, you must indicate at least the following information:

- General

Indicate the "**Linux**" OS and a descriptive name:

New Virtual Machine

General

Cluster: Default
Data Center: Default

Template: Blank | (0)

Operating System: Linux

Instance Type: Custom

Optimized for: Server

Name: UDS-Server

Description:

Comment:

VM ID:

Stateless Start in Pause Mode Delete Protection Sealed

In the "**Instance Images**" section, click on "**Attach**" and select the previously imported server disk. You will also mark that it is the disk with the OS:

New Virtual Machine

General

Cluster: Default

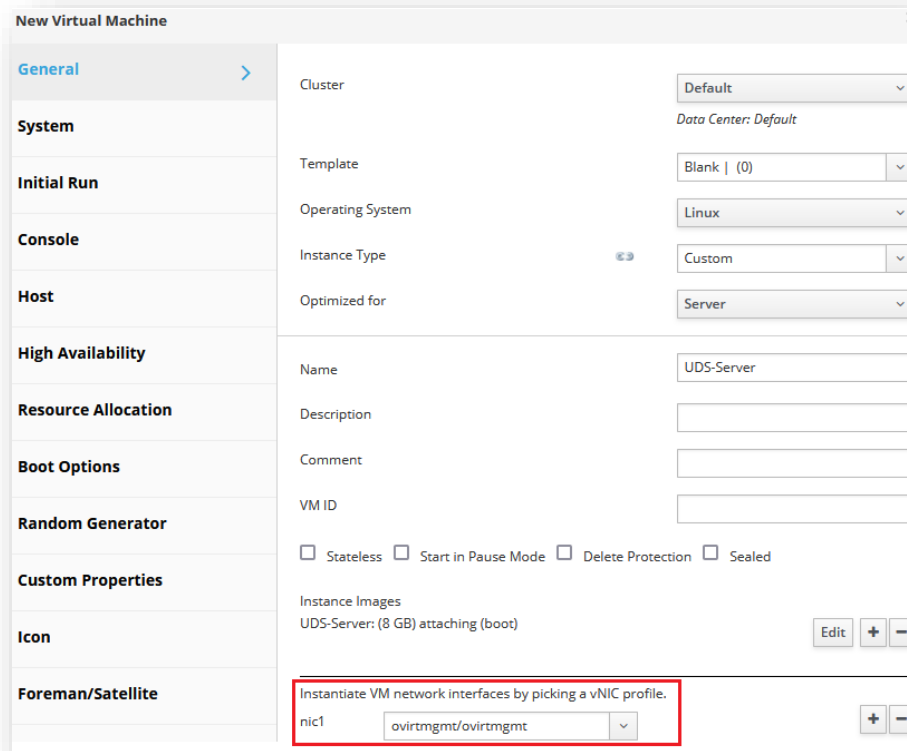
Attach Virtual Disks

Image | Direct LUN | Managed Block

	Alias	Description	ID	Virtual Size	Actual Size	Storage Domain	Interface	R/O	OS	
<input type="radio"/>	UDS-DBSer...		55dc09a2-5...	10 GiB	1 GiB	VMs	VirtIO-SCSI	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="radio"/>	UDS-Server		1464d7ab-1...	8 GiB	3 GiB	VMs	VirtIO-SCSI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="radio"/>	UDS-Tunnel		331f860b-bf...	13 GiB	3 GiB	VMs	VirtIO-SCSI	<input type="checkbox"/>	<input type="checkbox"/>	

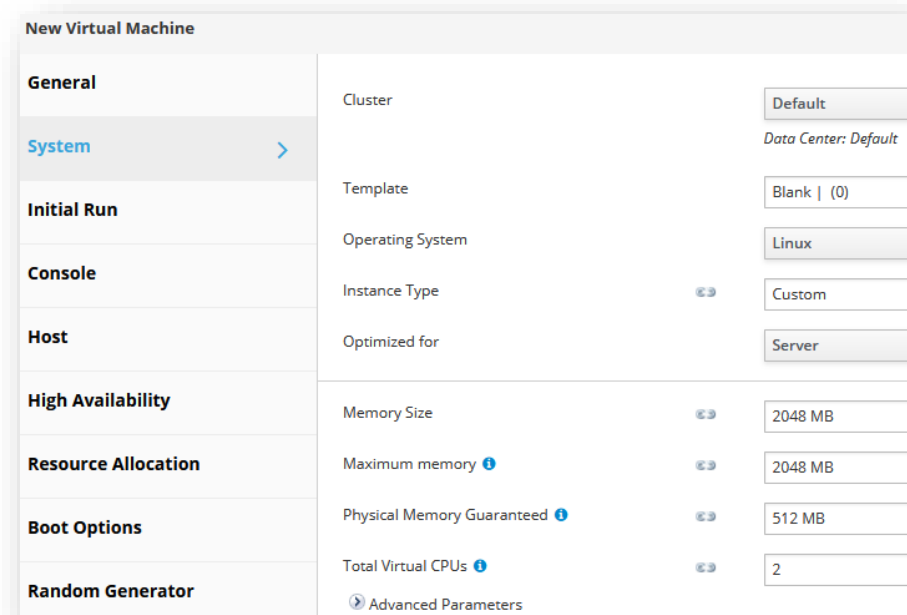


In the network section, indicate a valid network for the server:



- System

Enter the number of vCPUs and the amount of memory that the servers will have:





Importing UDS Enterprise on oVirt

For the different components of UDS, you will indicate at least the following resources:

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

The rest of the parameters of the creation wizard can be left by default.

Once all the data has been specified, click on "ok" to create the server:

Name	Com Host	IP Addresses	FQDN	Clus	Data	Memory	CPU	Network	Graphics	Status
HostedEngine	ovirtnode44.vc.local	192.168.11.97 fe...	ovirt-engine...	Defa	Defa	45%	5%	0%	SPICE + ...	Up
UDS-Server				Defa	Defa	--	--	--	None	Down
xUbuntu20-UDSTemplate				Defa	Defa	--	--	--	None	Down

Repeat the same process for the rest of the UDS components:

Name	Com Host	IP Addresses	FQDN	Clus	Data	Memory	CPU	Network	Graphics	Status
HostedEngine	ovirtnode44.vc.local	192.168.11.97 ...	ovirt-e...	Defa	Defa	44%	10%	0%	SPICE + ...	Up
UDS-DBServer				Defa	Defa	--	--	--	None	Down
UDS-Server				Defa	Defa	--	--	--	None	Down
UDS-Tunnel				Defa	Defa	--	--	--	None	Down
xUbuntu20-UDSTemplate				Defa	Defa	--	--	--	None	Down



3. Start UDS servers

Once the creation of the new virtual machine with the UDS Appliance disk is finished, turn on the VM and start a console to begin with the server configuration.

	Name	Com Host	IP Addresses	FQDN	Clus	Data	Memory	CPU	Network	Graphics	Status
▲	HostedEngine	ovirtnode44.vc.local	192.168.11.97 ...	ovirt-e...	Defa	Defa	45%	9%	0%	SPICE + ...	Up
▲	UDS-DBServer	ovirtnode44.vc.local	192.168.11.220	dbserv...	Defa	Defa	19%	1%	0%	SPICE + ...	Up
▲	UDS-Server	ovirtnode44.vc.local	192.168.11.218	uds	Defa	Defa	9%	0%	0%	SPICE + ...	Up
▼	UDS-Tunnel										
▼	xUbuntu20-										


```
UDS Enterprise Server v3.0.0 uds tty1
uds login: root (automatic login)

Linux uds 4.19.0-17-amd64 #1 SMP Debian 4.19.194-2 (2021-06-21) x86_64
UDS Enterprise Server v3.0.0
UDS Enterprise comes with ABSOLUTELY NO WARRANTY,
to the extent permitted by applicable law.
UDS Enterprise broker CLI tool
Your appliance is currently unconfigured.
In order to configure it, you need to go through the setup process.
Since UDS 3.0, the configuration is done using a web browser.
UDS Enterprise setup launcher
Your appliance IP is 192.168.11.218. We are going to start the web setup process for you right now.
To configure your appliance, please go to this URL: http://192.168.11.218:9900
The setup process will be available until finished or the appliance is rebooted.
root@uds:~# _
```

Wait for the VM to start and then 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 give you access from the WAN and HTML5 access to the different services) repeat the same tasks previously described using the UDS-Tunnel.xzzip 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 and commercializes UDS Enterprise through a subscription model by number of users, including support and updates.

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

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