



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 /3.5/stable/qcow2

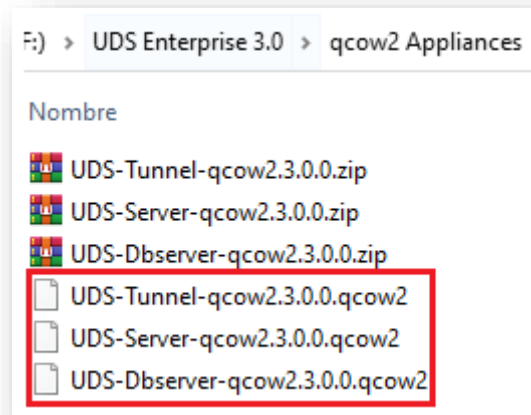
Name	Last modified	Size	Description
Parent Directory		-	
UDS-Dbserver-qcow2.3.5.0.zip	2022-03-06 23:06	517M	
UDS-Server-qcow2.3.5.0.zip	2022-03-06 23:07	1.3G	
UDS-Tunnel-qcow2.3.5.0.zip	2022-03-06 23:08	759M	



2. Import UDS Appliances to the virtual platform

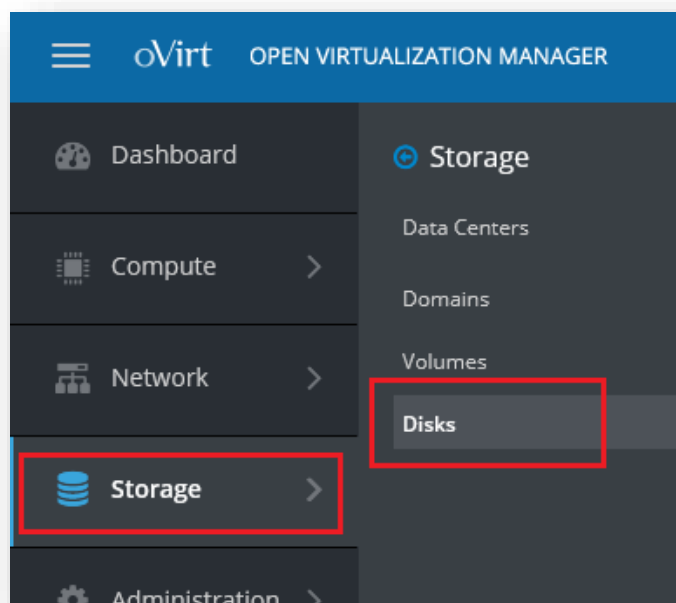
Download the UDS Appliances. See below an example with the UDS Server Appliance (UDS-Server-qcow2.3.0.0).

Download the .zip file and unzip it:



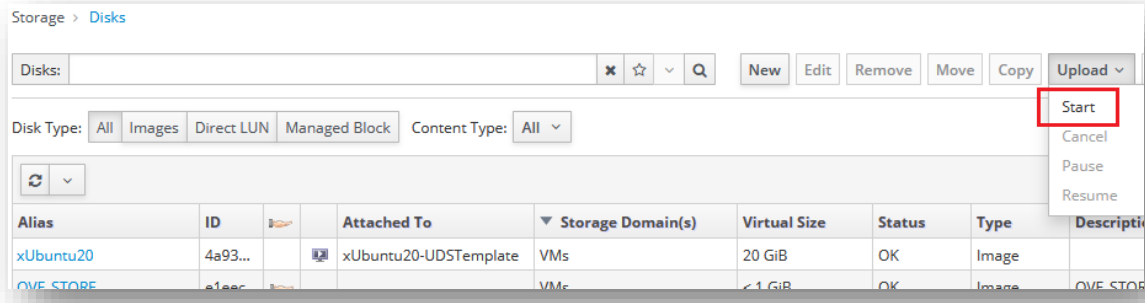
Access the oVirt environment through the oVirt-engine manager and proceed to import the server's virtual disk (in qcow2 format).

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

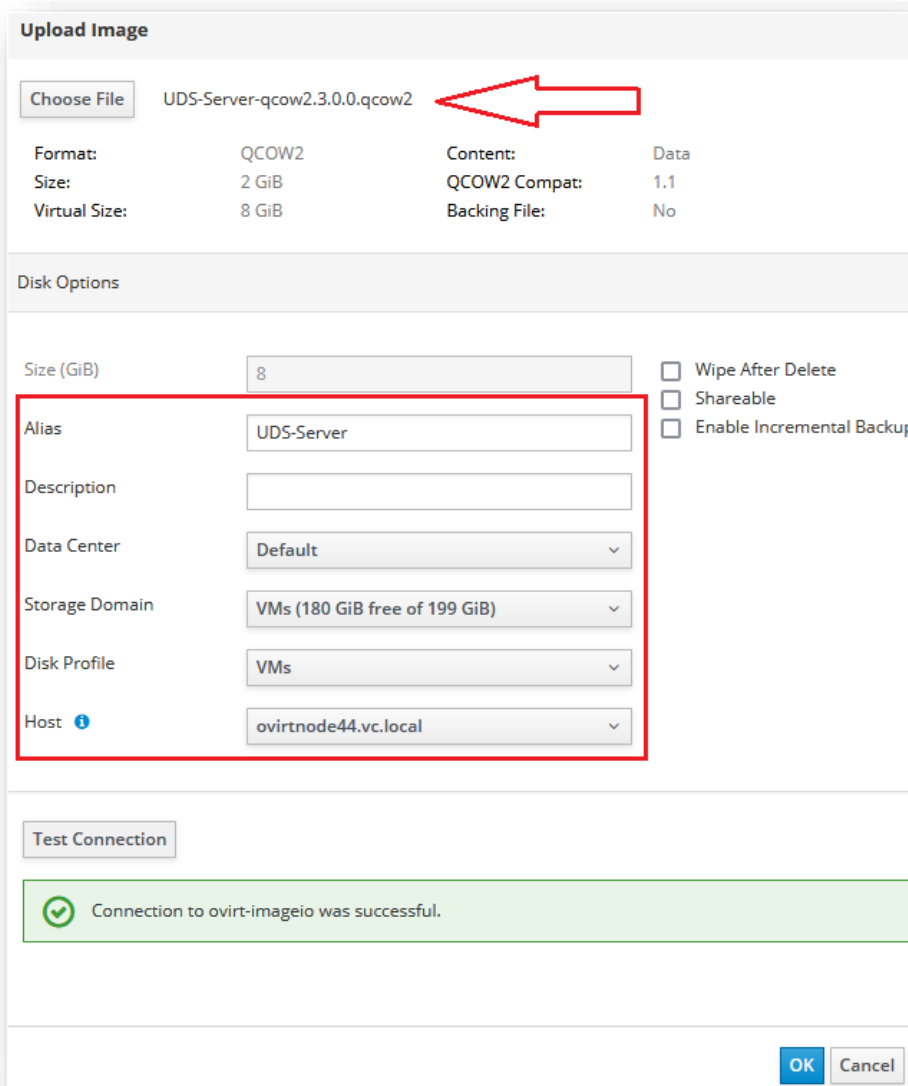




To import the disks from the UDS servers, in the menu select “Upload” and then “Start”:



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:

Storage > Disks

Disks:

New Edit Remove Move Copy Upk

Disk Type: All Images Direct LUN Managed Block Content Type: All

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	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):

Disk Type: All Images Direct LUN Managed Block Content Type: All

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

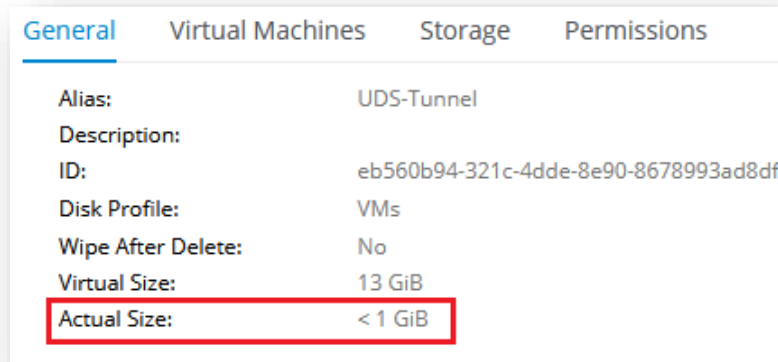
Wipe After Delete: No

Virtual Size: 13 GiB

Actual Size: 3 GiB

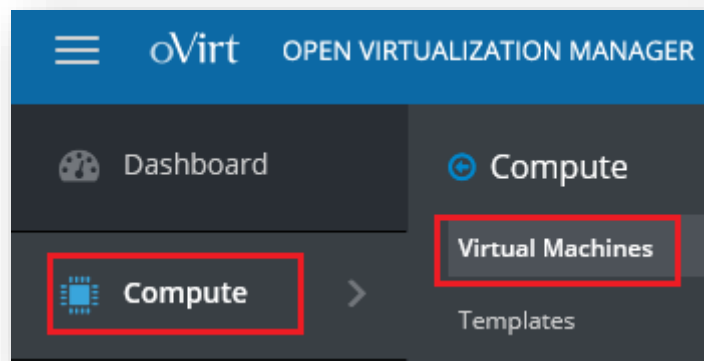


If after a while since the import started the size is less than 1 GB, you will have to repeat the process, since that means that the disk is not been imported correctly:

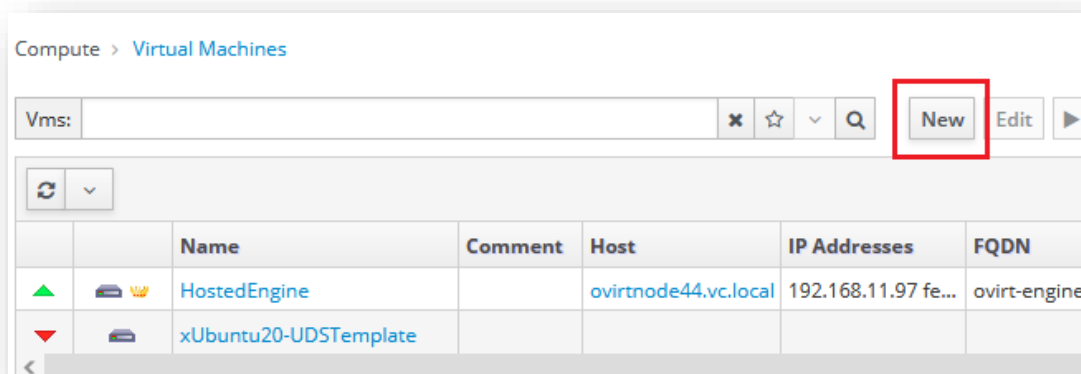


Once you have the disks of the UDS components hosted on the oVirt platform, proceed to create the virtual machines that will make up the UDS servers.

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:

The screenshot shows the 'New Virtual Machine' dialog box with the 'General' tab selected. The 'NICs' section is highlighted with a red box, showing 'nic1' with a dropdown menu set to 'ovirtmgmt/ovirtmgmt'. The 'Instantiate VM network interfaces by picking a vNIC profile.' checkbox is checked.

- System

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

The screenshot shows the 'New Virtual Machine' dialog box with the 'System' tab selected. The 'Memory Size' is set to 2048 MB, 'Maximum memory' is 2048 MB, 'Physical Memory Guaranteed' is 512 MB, and 'Total Virtual CPUs' is 2.



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

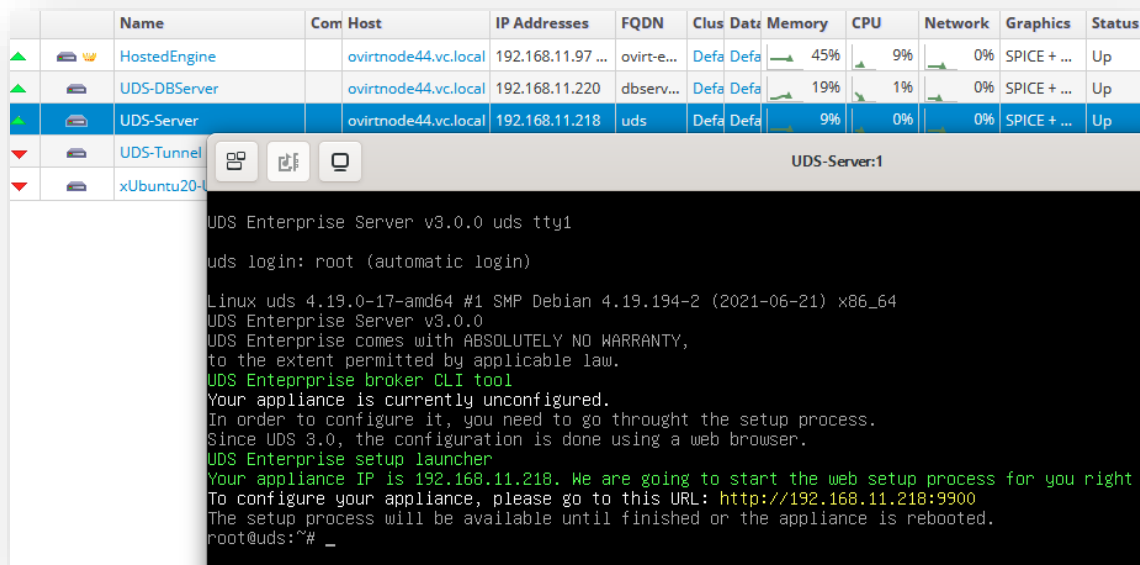
Repeat the same process for the rest of the UDS components:

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.



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.