



VIRTUAL
CABLE

Importing UDS on OpenStack



Importing UDS on OpenStack

Index

IMPORTING UDS ON OPENSTACK.....	2
Download UDS Appliances	2
Import UDS Appliances to the virtual platform.....	3
Starting UDS servers	11
About Virtual Cable.....	12

IMPORTING UDS ON OPENSTACK

UDS Enterprise components are provided as Virtual Appliances.

To upload these elements to the OpenStack, it is necessary to perform the following tasks:

Download UDS Appliances

Access your account at:

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

Once inside, in the "**My Downloads**" section, select "**UDS Enterprise Appliances for OpenStack**" (.QCOW2 format):

My Downloads			
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	

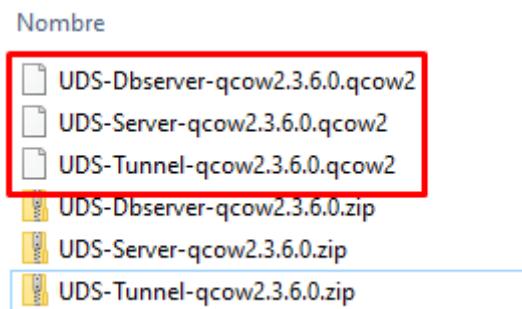
NOTE: You can also use the .RAW format

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

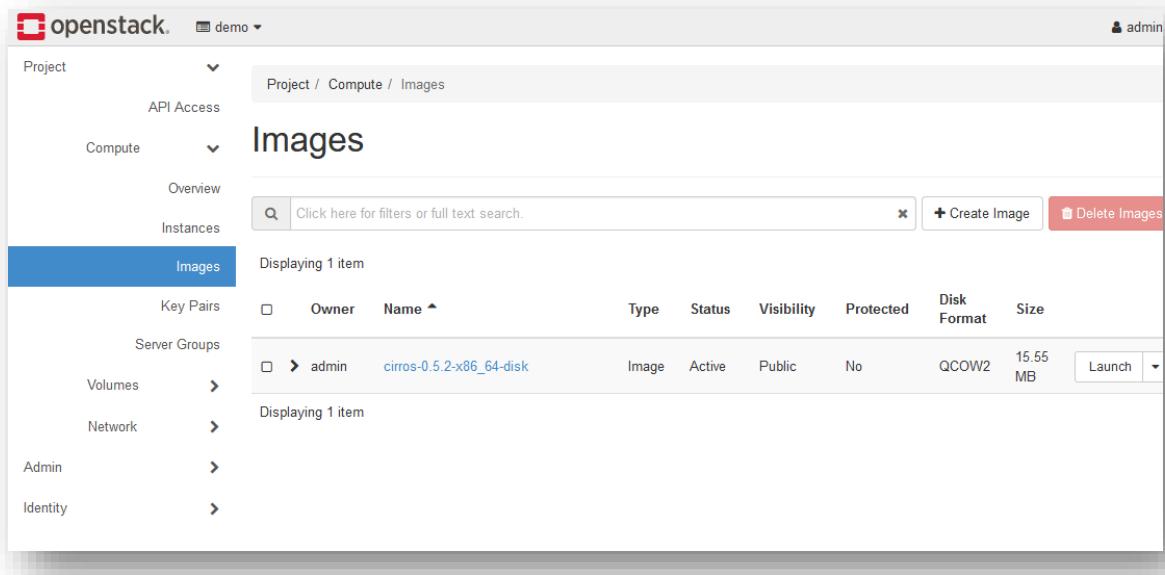
Index of /3.6/stable/qcow2			
	Name	Last modified	Size
»	Parent Directory		-
»	UDS-Dbserver-qcow2.3.6.0.zip	2023-01-17 15:15	530M
»	UDS-Server-qcow2.3.6.0.zip	2023-01-17 16:15	1.3G
»	UDS-Tunnel-qcow2.3.6.0.zip	2023-01-17 16:17	820M

Import UDS Appliances to the virtual platform

Download the UDS Appliances and unzip them. See below an example with the UDS Server Appliance (**UDS-Server-XXzip**).



Access the OpenStack environment to import the disk image. Go to the “**images**” section and click on “**Create Image**”.



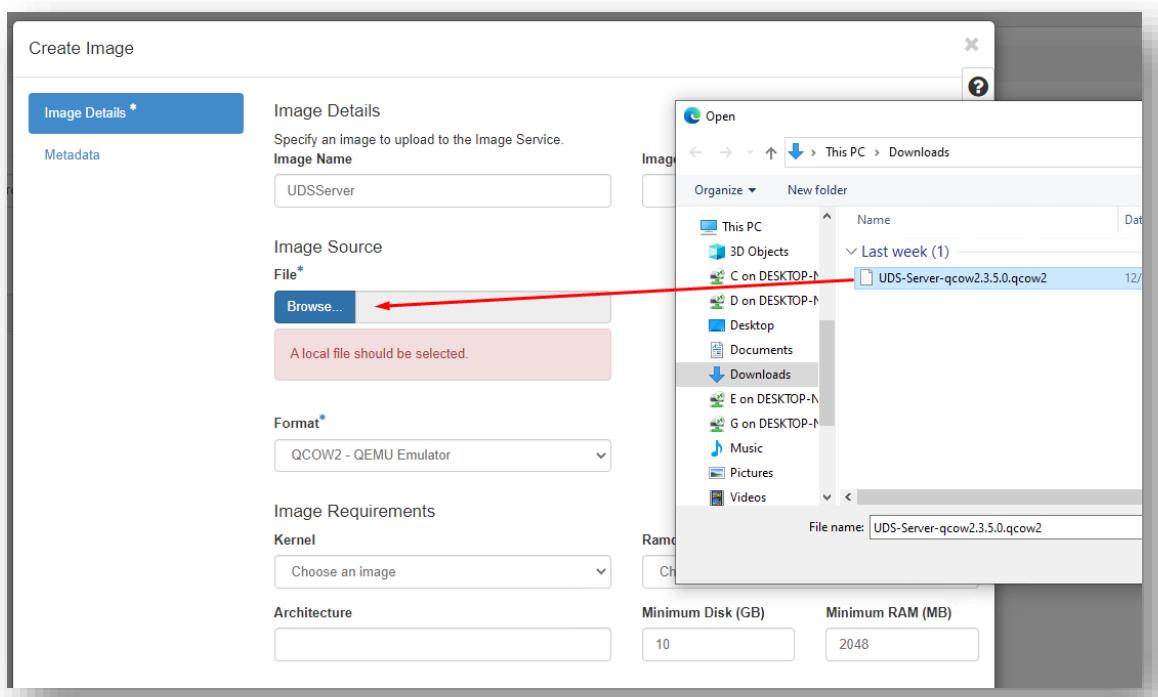
	Owner	Name	Type	Status	Visibility	Protected	Disk Format	Size
<input type="checkbox"/>	> admin	cirros-0.5.2-x86_64-disk	Image	Active	Public	No	QCOW2	15.55 MB

Importing UDS on OpenStack

The image creation wizard will ask you:

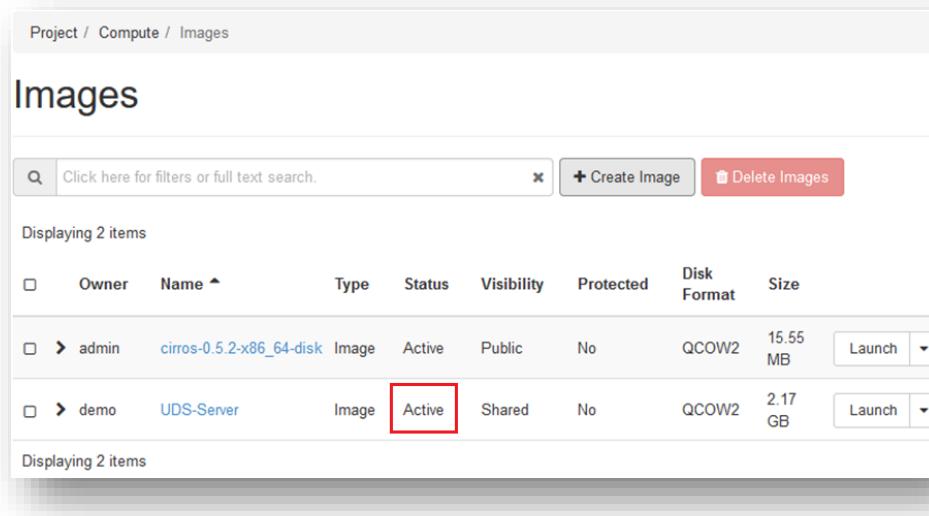
- **Image Name:** Identifying name of the image to import.
- **Image Source:** Select the disk of the UDS component to import. This disk can be in .qcow2 or .raw format.
- **Format:** Format of the previously selected disk.
- **Image Requirements:** You will indicate the architecture (x86_64 for all UDS components), a minimum disk size and memory.
 - You must use the following sizes:

UDS Image	Disk (GB)	RAM (MB)
MySQL	11	1024
UDS Server	9	2048
UDS Tunnel	14	2048



Importing UDS on OpenStack

Wait until the import of the image is finished and the status is "**Active**".



<input type="checkbox"/>	Owner	Name	Type	Status	Visibility	Protected	Disk Format	Size
<input type="checkbox"/>	admin	cirros-0.5.2-x86_64-disk	Image	Active	Public	No	QCOW2	15.55 MB
<input type="checkbox"/>	demo	UDS-Server	Image	Active	Shared	No	QCOW2	2.17 GB

Once you have the images available and active, proceed to launch the instance. Select the image and click on "**Launch**".

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

- **Details:** Indicate a name for the instance, the availability zone and the number of instances that you want to create.

Importing UDS on OpenStack

Launch Instance

Details

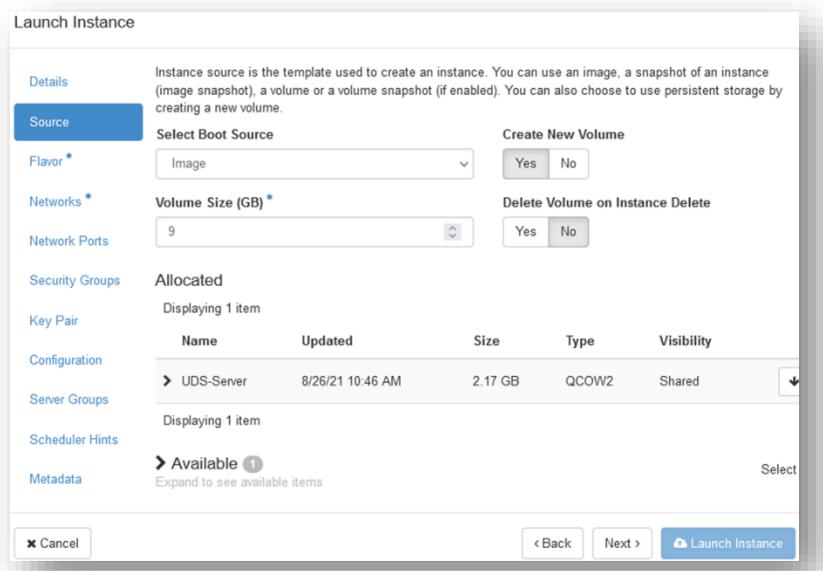
Please provide the initial hostname for the instance, the availability zone where it will be deployed, and count. Increase the Count to create multiple instances with the same settings.

Source	Project Name	Total Instances (10 Max)
Flavor *	demo	 10%
Networks *	Instance Name *	0 Current Usage 1 Added 9 Remaining
Network Ports	UDS-Server	
Security Groups	Description	
Key Pair	Availability Zone	
Configuration	nova	
Server Groups	Count *	
Scheduler Hints	1	
Metadata		

Cancel **Next >** **Launch Instance**

Importing UDS on OpenStack

- **Source:** You will indicate if you want to create a new volume for this instance, if deleting it will also erase the volume, and confirm that the selected image is correct.



Launch Instance

Details

Instance source is the template used to create an instance. You can use an image, a snapshot of an instance (image snapshot), a volume or a volume snapshot (if enabled). You can also choose to use persistent storage by creating a new volume.

Source

Select Boot Source

Flavor * Image Yes No

Networks * Volume Size (GB) * 9 Delete Volume on Instance Delete Yes No

Network Ports

Security Groups Allocated

Displaying 1 item

Name	Updated	Size	Type	Visibility
UDS-Server	8/26/21 10:46 AM	2.17 GB	QCOW2	Shared

Key Pair Configuration Server Groups Scheduler Hints Metadata

Displaying 1 item

Available 1 Select

Expand to see available items

Cancel Back Next Launch Instance

- **Flavor:** Select the appropriate "**Flavor**" for each UDS component. The minimum resources of the UDS components are:

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

This example will use the flavor: ds2G (2 vCPUs + 2 GB vRAM).

Importing UDS on OpenStack

Launch Instance

Flavors manage the sizing for the compute, memory and storage capacity of the instance.

Name	VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
ds2G	2	2 GB	10 GB	10 GB	0 GB	Yes

Allocated

Available (11)

Select one

Name	VCPUS	RAM	Total Disk	Root Disk	Ephemeral Disk	Public
m1.nano	1	128 MB	1 GB	1 GB	0 GB	Yes
m1.micro	1	192 MB	1 GB	1 GB	0 GB	Yes
cirros256	1	256 MB	1 GB	1 GB	0 GB	Yes
m1.tiny	1	512 MB	1 GB	1 GB	0 GB	Yes
ds512M	1	512 MB	5 GB	5 GB	0 GB	Yes
ds1G	1	1 GB	10 GB	10 GB	0 GB	Yes
m1.small	1	2 GB	20 GB	20 GB	0 GB	Yes
m1.medium	2	4 GB	40 GB	40 GB	0 GB	Yes

Click here for filters or full text search.

Importing UDS on OpenStack

- **Networks:** Indicate the network to which to connect the UDS servers.

Launch Instance

Details Networks provide the communication channels for instances in the cloud.

Source Select networks from those listed below

Flavor

Networks

Allocated 1

Network	Subnets Associated	Shared	Admin State	Status
private	private-subnet ipv6-private-subnet	No	Up	Active

Available 0

Select at least one network

Network Ports Click here for filters or full text search.

Security Groups

Key Pair

Network	Subnets Associated	Shared	Admin State	Status
shared	shared-subnet	Yes	Up	Active

Configuration

Server Groups

Scheduler Hints

Metadata

Cancel **Next >** **Launch Instance**

Once all the steps of the wizard have been configured, click on "**Launch Instance**" to create the instance.

In the "**Instances**" section you can see how the instance is being created:

Instances

Instance ID = Filter **Launch Instance** **Delete Instances** More Actions ▾

Displaying 1 item

Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
UDS-Server	-	10.0.0.62, fd76:6908:a226:0	Not available	-	Build	nova	Block Device Mapping	No State	0 minutes	Associate Floating

Displaying 1 item

Importing UDS on OpenStack

Once the instance is “**Active**” and “**Running**”, you will have the server ready to proceed with its configuration.

Instances

Instance ID = ▾				Filter	Launch Instance	Delete Instances					
Displaying 1 item											
<input type="checkbox"/>	Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
<input type="checkbox"/>	UDS-Server	UDS-Server	10.0.0.62, fd76:6908:a221	ds2G	-	Active	nova	None	Running	5 minutes	Create Snaps
Displaying 1 item											

NOTE: This same procedure should be repeated with the rest of the UDS components (MySQL Database and UDS Tunnel)



Importing UDS on OpenStack

Starting UDS servers

Once the creation of the instance is finished, start a console to begin with the server configuration (see [UDS Enterprise Installation, Administration and User Manual](#)).

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.xxzip file.
 2. If you do not have your own database server to host the UDS 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 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.**