



## 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:

### 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 OpenStack" (.QCOW2 format):

Component	Format	Version
<a href="#">UDS Enterprise Appliances compatible with VMware vSphere / Cloud Director</a>	OVA	3.0
<a href="#">UDS Enterprise Appliances compatible with Citrix Hypervisor / XCP-ng</a>	OVA	3.0
<a href="#">UDS Enterprise Appliances compatible with Nutanix AHV</a>	RAW / QCOW2	3.0
<a href="#">UDS Enterprise Appliances compatible with Microsoft Azure</a>	VHD	3.0
<a href="#">UDS Enterprise Appliances compatible with Microsoft Hyper-V</a>	VHDX	3.0
<a href="#">UDS Enterprise Appliances for OpenStack, OpenNebula, Proxmox...</a>	RAW	3.0
<a href="#">UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox...</a>	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:

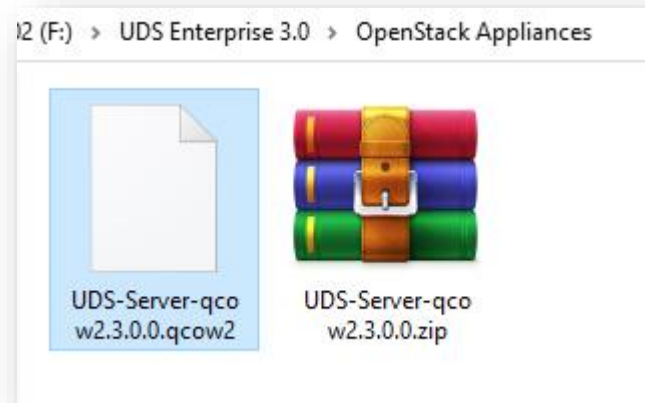
### Index of /3.0/stable/qcow2

Name	Last modified	Size	Description
<a href="#">Parent Directory</a>		-	
<a href="#">Doc/</a>	2021-08-25 11:23	-	
<a href="#">UDS-Dbserver-qcow2.3.0.0.zip</a>	2021-08-19 13:13	546M	
<a href="#">UDS-Server-qcow2.3.0.0.zip</a>	2021-08-19 13:14	874M	
<a href="#">UDS-Tunnel-qcow2.3.0.0.zip</a>	2021-08-19 13:15	792M	

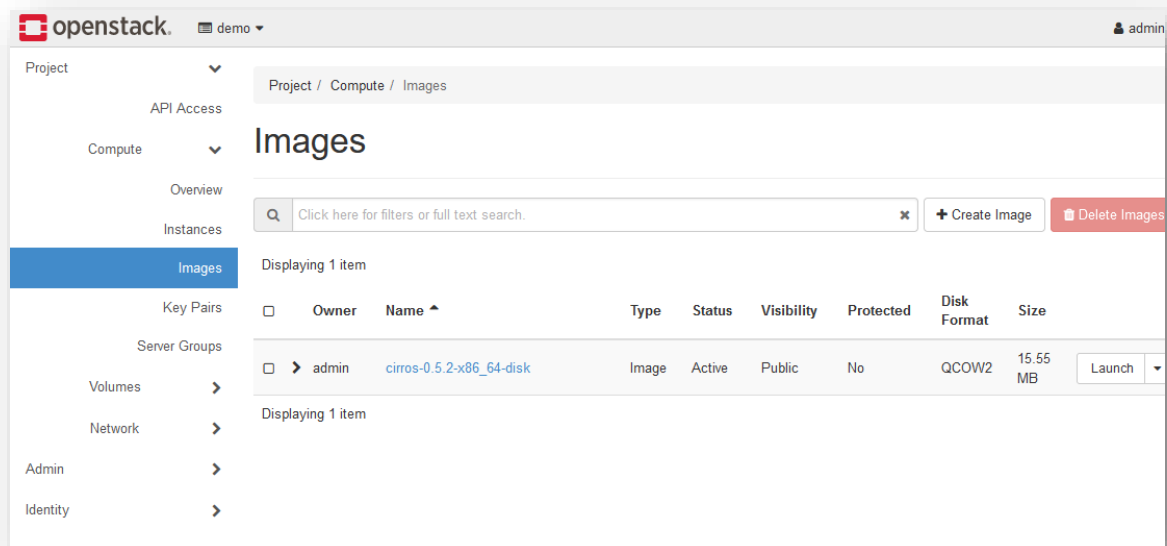


## 2. Import UDS Appliances to the virtual platform

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**”.





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

Create Image

Image Details

Specify an image to upload to the Image Service.

**Image Name**

UDS-Server

**Image Description**

**Image Source**

File\*

Browse... UDS-Server-qcow2.3.0.0.qcow2

**Format\***

QCOW2 - QEMU Emulator

**Image Requirements**

**Kernel**

Choose an image

**Ramdisk**

Choose an image

**Architecture**

x86\_64

**Minimum Disk (GB)**

9

**Minimum RAM (MB)**

2048

**Image Sharing**

**Visibility**

Private Shared Community Public

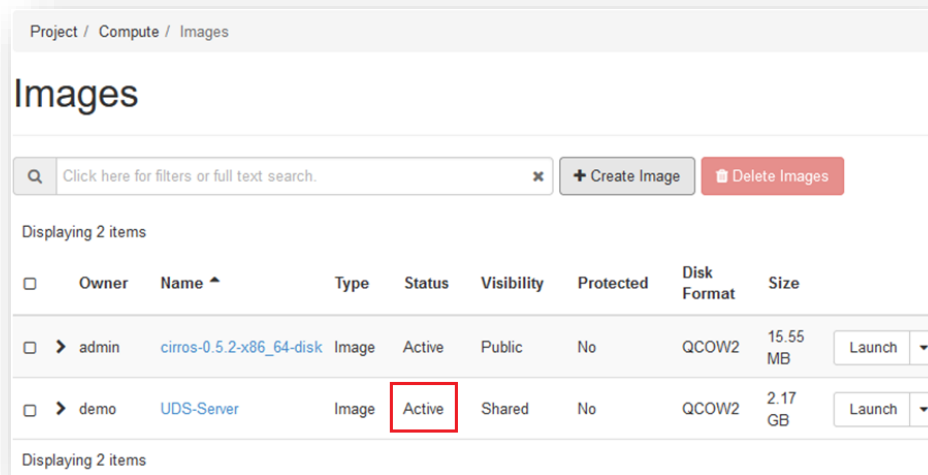
**Protected**

Yes No

Cancel < Back Next > Create Image



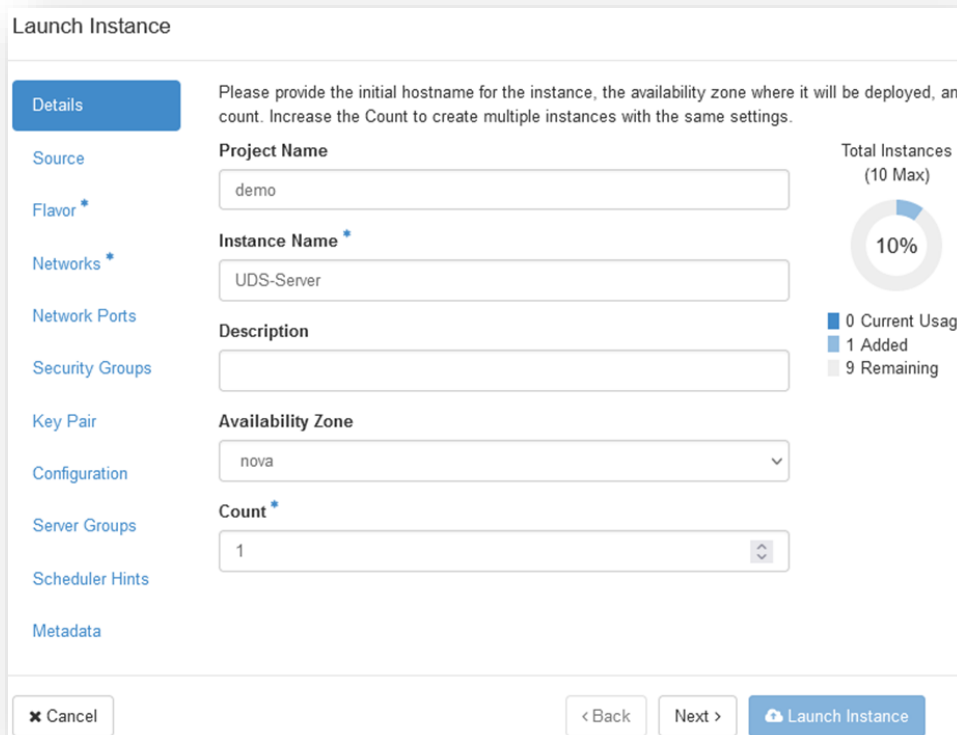
Wait until the import of the image is finished and the status is **"Active"**.



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.





- **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

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**

Flavor \* Image

Networks \* Network Ports

Security Groups Allocated

Key Pair Displaying 1 item

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

Configuration Server Groups Scheduler Hints Metadata

Available 1 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).

Launch Instance

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

Allocated

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

Available 11

Click here for filters or full text search

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



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

Launch Instance

Networks provide the communication channels for instances in the cloud.

▼ Allocated 1 Select networks from those listed below

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

▼ Available 1 Select at least one network

Click here for filters or full text search.

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

Cancel < Back 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



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

The screenshot shows the 'Instances' dashboard in OpenStack. At the top, there is a search bar for 'Instance ID', a 'Filter' button, and two action buttons: 'Launch Instance' and 'Delete Instances'. Below the search bar, it says 'Displaying 1 item'. The main table has the following columns: Instance Name, Image Name, IP Address, Flavor, Key Pair, Status, Availability Zone, Task, Power State, Age, and Actions. A single instance is listed with the name 'UDS-Server', image 'UDS-Server', IP address '10.0.0.62, fd76:6908:a22...', flavor 'ds2G', and key pair '-'. The 'Status' column shows 'Active' and the 'Power State' column shows 'Running'. The 'Age' is listed as '5 minutes'. There is a 'Create Snaps' button in the Actions column. The table is also labeled 'Displaying 1 item' at the bottom.

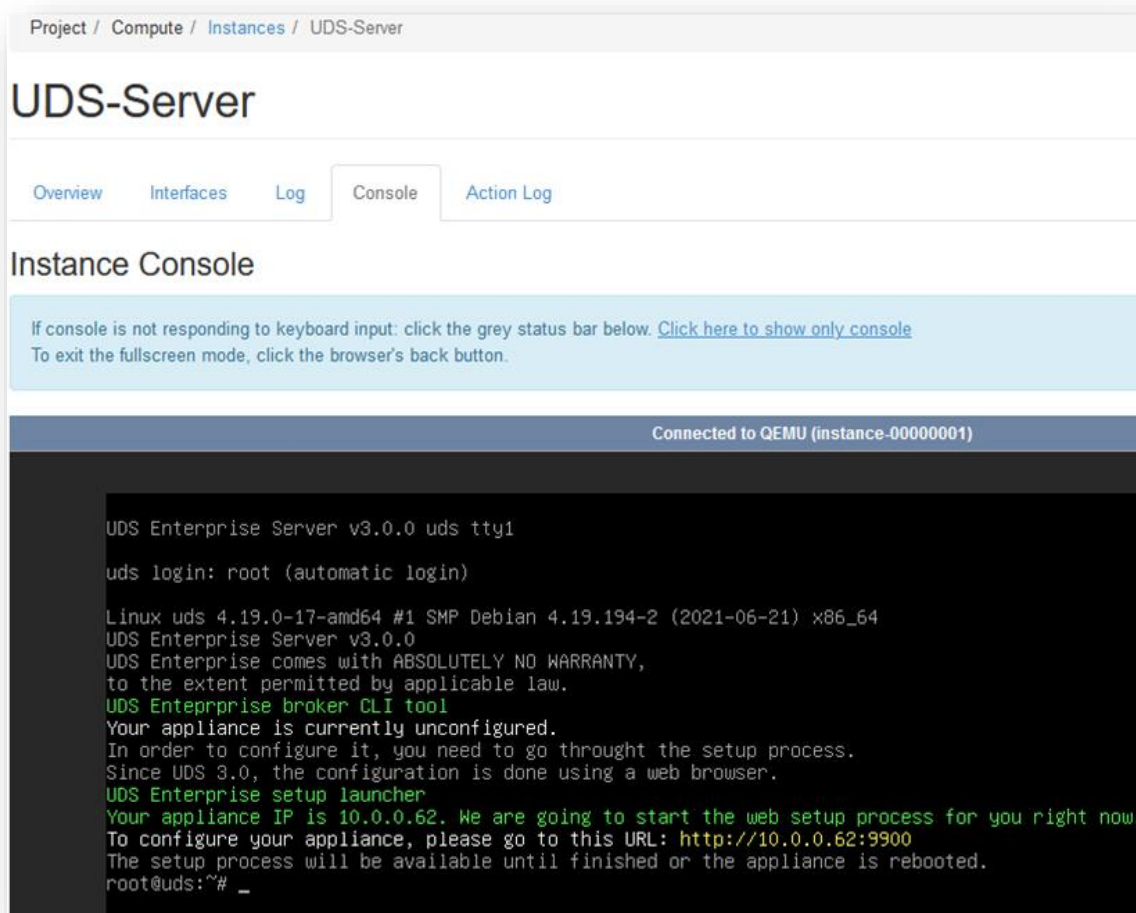
Instance Name	Image Name	IP Address	Flavor	Key Pair	Status	Availability Zone	Task	Power State	Age	Actions
UDS-Server	UDS-Server	10.0.0.62, fd76:6908:a22!	ds2G	-	Active	nova	None	Running	5 minutes	Create Snaps

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



### 3. 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.xzzip 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 develops and sells UDS Enterprise through a subscription model according to the 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](http://www.udsenderprise.com) or email us at [info@udsenderprise.com](mailto:info@udsenderprise.com)