



Importing UDS on OpenStack



#SmartDigitalWorkplace

VIRTUAL CABLE

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INTRODUCTION

UDS Enterprise components are provided as Virtual Appliances.

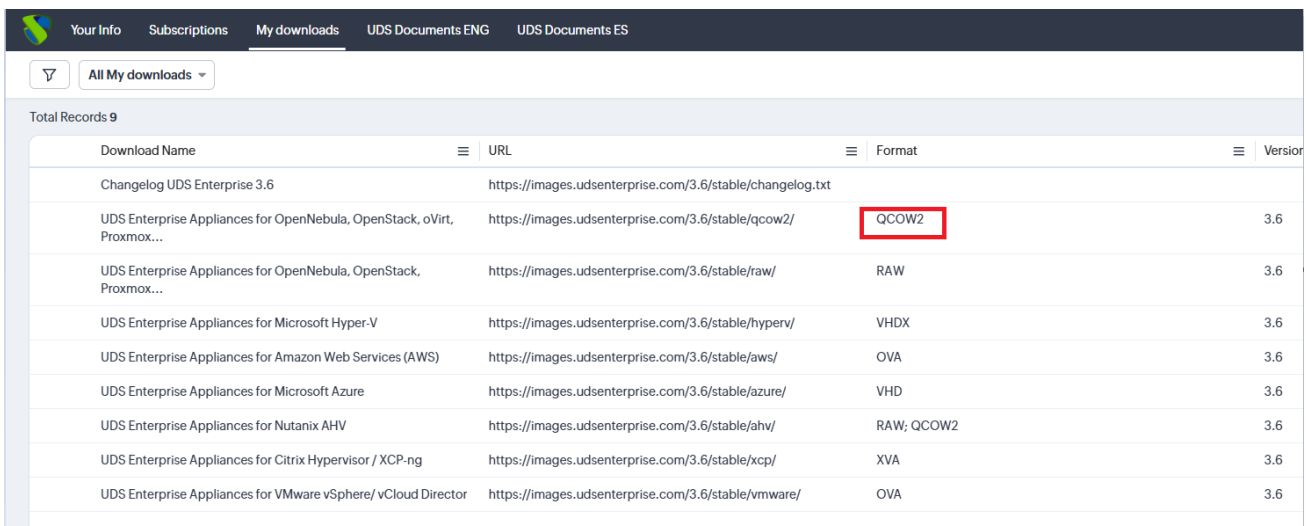
To upload these elements to the OpenStack, it is necessary to perform the following tasks:

Download UDS Appliances

Access your account at:

<https://myuds.udsenderprise.com/portal/MyUDSEnterprise/crm/login.sas>

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



Download Name	URL	Format	Version
Changelog UDS Enterprise 3.6	https://images.udsenderprise.com/3.6/stable/changelog.txt		
UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox...	https://images.udsenderprise.com/3.6/stable/qcow2/	QCOW2	3.6
UDS Enterprise Appliances for OpenNebula, OpenStack, Proxmox...	https://images.udsenderprise.com/3.6/stable/raw/	RAW	3.6
UDS Enterprise Appliances for Microsoft Hyper-V	https://images.udsenderprise.com/3.6/stable/hyperv/	VHDX	3.6
UDS Enterprise Appliances for Amazon Web Services (AWS)	https://images.udsenderprise.com/3.6/stable/aws/	OVA	3.6
UDS Enterprise Appliances for Microsoft Azure	https://images.udsenderprise.com/3.6/stable/azure/	VHD	3.6
UDS Enterprise Appliances for Nutanix AHV	https://images.udsenderprise.com/3.6/stable/ahv/	RAW; QCOW2	3.6
UDS Enterprise Appliances for Citrix Hypervisor / XCP-ng	https://images.udsenderprise.com/3.6/stable/xcp/	XVA	3.6
UDS Enterprise Appliances for VMware vSphere/ vCloud Director	https://images.udsenderprise.com/3.6/stable/vmware/	OVA	3.6

NOTE: You can also use the .RAW format

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

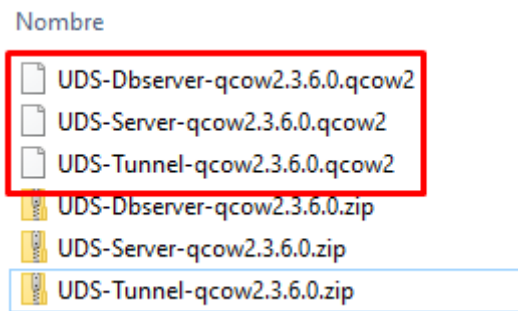
UDS Enterprise 4.0 RC Images

Please, select the option that best fit your needs

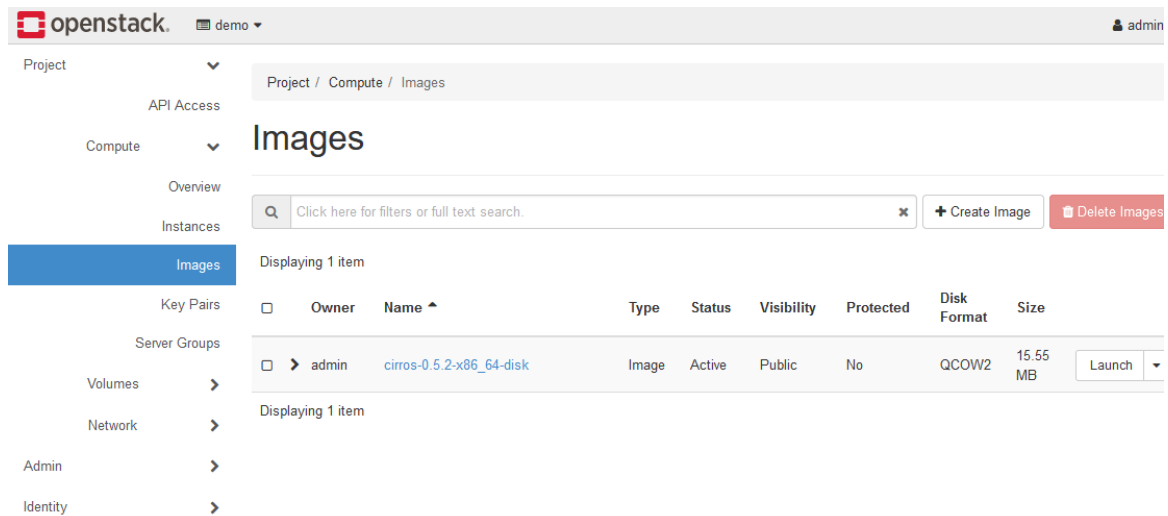
- [VMWare Images](#)
- [XCP-ng/XenServer Images](#)
- [Nutanix AHV Images](#)
- [Azure Images](#)
- [AWS Images](#)
- [Cloud Images](#)
- [Hyper-V](#)
- [RAW Images \(For OpenStack, OpenNebula, ProxMox, ...\)](#)
- [QCOW2 Images \(For OpenStack, OpenNebula, ProxMox, oVirt>=4.2, ...\)](#)

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**).



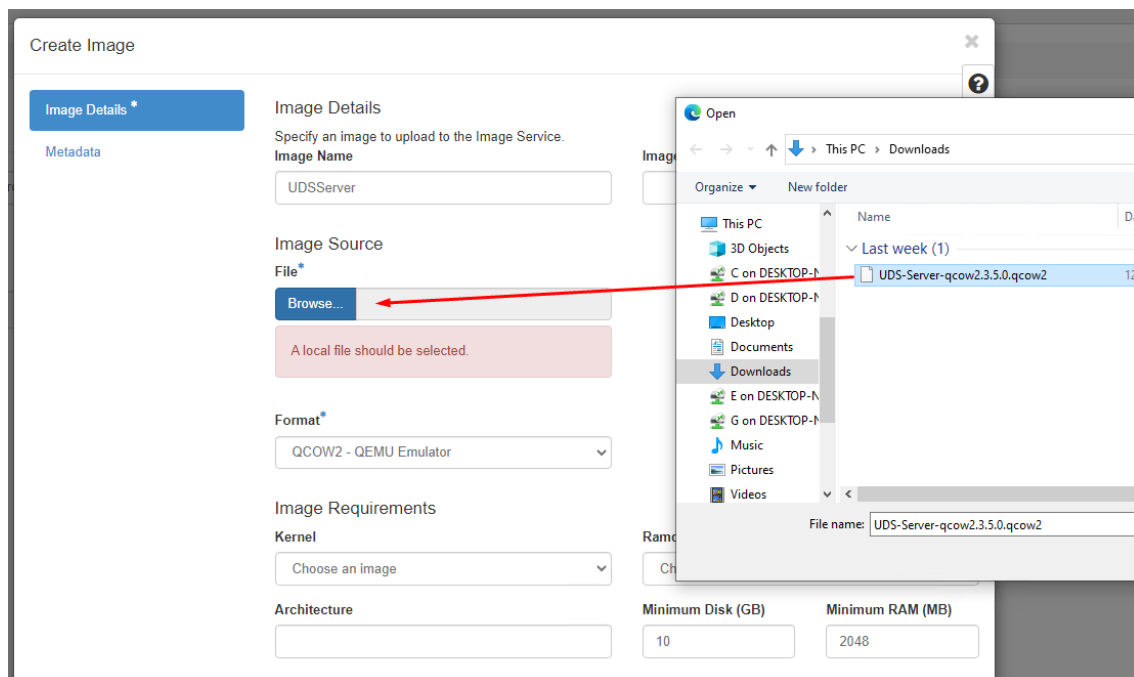
Access the OpenStack environment to import the disk image. Go to the “**images**” section and click on “**Create Image**”.



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



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

Project / Compute / Images

Images

Click here for filters or full text search. + Create Image Delete Images

Displaying 2 items

<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	Launch <input type="button" value="v"/>
<input type="checkbox"/>	demo	UDS-Server	Image	Active	Shared	No	QCOW2	2.17 GB	Launch <input type="button" value="v"/>

Displaying 2 items

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.

Launch Instance

- Details
- Source
- Flavor *
- Networks *
- Network Ports
- Security Groups
- Key Pair
- Configuration
- Server Groups
- Scheduler Hints
- Metadata

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.

Project Name

Instance Name *

Description

Availability Zone

Count *

Total Instances (10 Max)

10%

■ 0 Current Usage
■ 1 Added
■ 9 Remaining

- **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

Select Boot Source: Image

Create New Volume: Yes No

Volume Size (GB): 9

Delete Volume on Instance Delete: Yes No

Allocated

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

Available 1

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	3072	2
UDS Server	4096	4
UDS Tunnel	4096	4

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

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
ciros256	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

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

Source **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

Flavor

Networks

Network Ports **Available** 1 Select at least one network

Security Groups

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

Key Pair

Configuration

Server Groups

Scheduler Hints

Metadata

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 =



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 IP

Displaying 1 item

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)

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](#)).

```

UDS Enterprise Server v4.0.0 broker-400 tty1

broker-400 login: root (automatic login)

Linux broker-400 6.1.0-31-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.128-1 (2025-02-07) x86_64
UDS Enterprise Server v4.0.0

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UDS Enterprise comes with ABSOLUTELY NO WARRANTY,
to the extent permitted by applicable law.
Last login: Fri Feb 14 18:16:03 CET 2025 on tty1
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 192.168.14.85. We are going to start the web setup process for you right now.
To configure your appliance, please go to this URL: https://192.168.14.85:9900
Note that, by default, UDS Appliance generates self signed certificates.
If you want to use your own certificates, please copy them to /etc/certs/ folder.
The setup process will be available until finished or the appliance is rebooted.
Your setup code is: YJ9jp4XA

  Y J 9 j p 4 X A

```

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.xxz file.
1. 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.

THE SMART DIGITAL WORKPLACE SOLUTION BY VIRTUAL CABLE

About UDS Enterprise

[UDS Enterprise](#) is a new software concept for creating a **fully customized workplace virtualization** platform. It provides **secure 24x7 access** from **any location and device** to all applications and software of an organization or educational center.

It allows you to combine Windows and Linux **desktop and application virtualization** in a single console, as well **as remote access** to Windows, Linux and macOS computers. Its Open Source base guarantees **compatibility with any third-party technology**. It can be deployed on-premises, in a public, private, hybrid or **multicloud**. You can even combine several environments at the same time and perform automatic and **intelligent overflows** to optimize performance and efficiency. All with a **single subscription**.

About Virtual Cable

[Virtual Cable](#) is a company specialized in the digital **transformation of the workplace**. The company develops, supports and markets UDS Enterprise. It has recently been recognized as an **IDC Innovator in Virtual Client Computing** worldwide. Its team of experts has designed **smart digital workplace solutions (VDI, vApp and remote access to physical computers)** 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 years in virtualization technologies. **Everyday millions of Windows and Linux virtual desktops** are deployed with UDS Enterprise around the world.