



Importing UDS on OpenNebula



#SmartDigitalWorkplace
— VIRTUAL CABLE —

Index

INTRODUCTION	2
Download UDS Appliances	2
Import UDS Appliances on the virtual platform.....	3
Start UDS servers.....	9
THE SMART DIGITAL WORKPLACE SOLUTION BY VIRTUAL CABLE	11
About UDS Enterprise.....	11
About Virtual Cable.....	11

INTRODUCTION

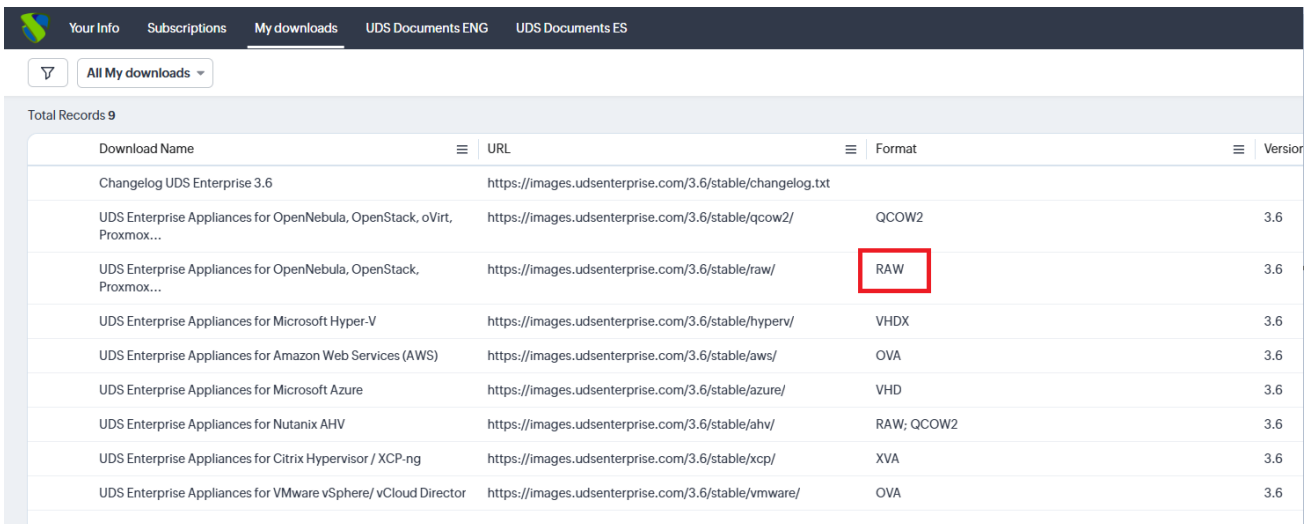
UDS Enterprise components are provided as Virtual Appliances. To upload these elements to the OpenNebula platform, carry out the following tasks:

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 compatible with OpenNebula" (.RAW 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

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

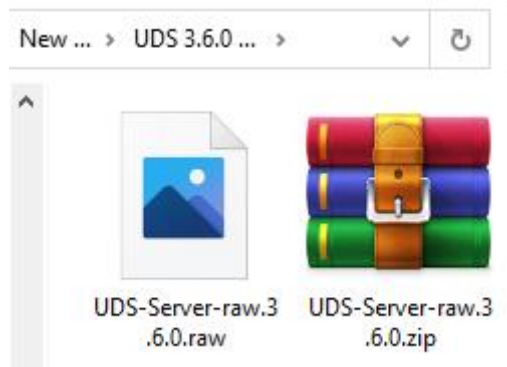
UDS Enterprise 4.0 RC Images

Please, select the option that best fit your needs

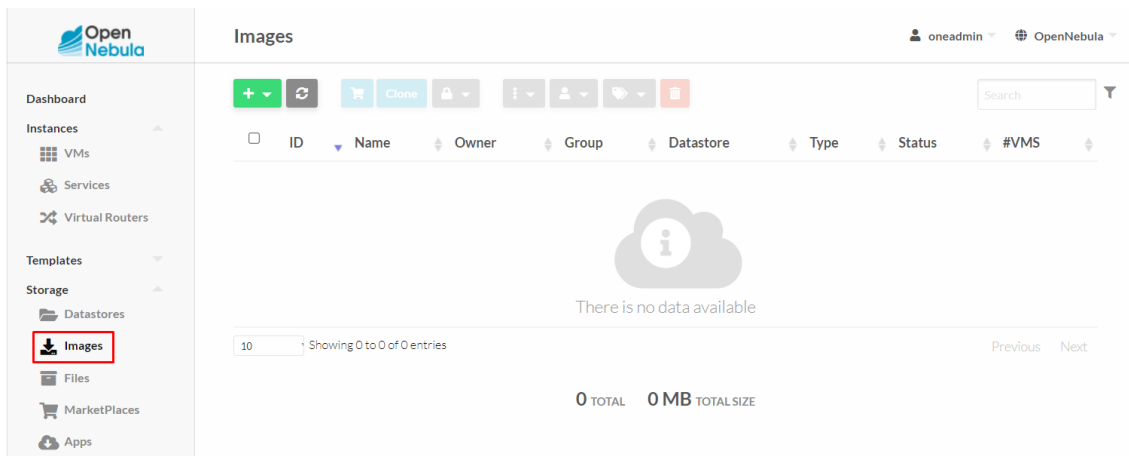
- [VMWare Images](#)
- [XCP-ng/XenServer Images](#)
- [Nutanix AHV Images](#)
- [Azure Images](#)
- [AWS Images](#)
- [Cloud Images](#)
- [Hyper-V](#)
- [RAW Images \(For OpenStack, OpenNebula, ProxMox, ...\)](#)
- [QCOW2 Images \(For OpenStack, OpenNebula, ProxMox, oVirt>=4.2, ...\)](#)

Import UDS Appliances on the virtual platform

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



Access the OpenNebula environment and click on “images”.



Create a new image. The wizard will ask you the name of the new Virtual Machine (VM) and the image of the UDS disk.

Select the disk image that you are going to create.

Create Image oneadmin OpenNebula

[←](#) [Reset](#) [Create](#)

[Image](#) [Dockerfile](#)

Wizard [Advanced](#)

Name:

Description:

Type:

Datastore:

This image is persistent:

Image location

Path/URL
 Upload
 Empty disk image

UDS-Server-raw.3.5.0.raw

Once you have the images available, you need to create a "Template".

To create the template, you will need to configure:

OpenNebula oneadmin OpenNebula

Images

[Dashboard](#)

[System](#)

- Users
- Groups
- VDCs
- ACLs

Virtual Resources

- Virtual Machines
- Templates [↔](#)
- Images
- Files & Kernels

Showing 1 to 3 of 3 entries

ID	Owner	Group	Name	Datastore	Type	Status	#VMS
5	oneadmin	oneadmin	MySQL	default	OS	READY	0
4	oneadmin	oneadmin	UDSTunneler	default	OS	READY	0
3	oneadmin	oneadmin	UDSServer	default	OS	READY	0

3 TOTAL 18GB USED

OpenNebula 4.12.3 by OpenNebula Systems.

Create Template

←
Reset
Create

Wizard
Advanced

General
Storage
Network
OS Booting
Input/Output
Context
Scheduling
Hybrid
Other

Name ?

Description ?

Hypervisor

KVM
 VMware
 Xen
 vCenter

Logo ?

Memory ?

Cost ?

CPU ?

Cost ?

VCPU ?

Do not allow to change capacity ?

Do not allow to modify network configuration ?

OpenNebula 4.12.3 by OpenNebula Systems.

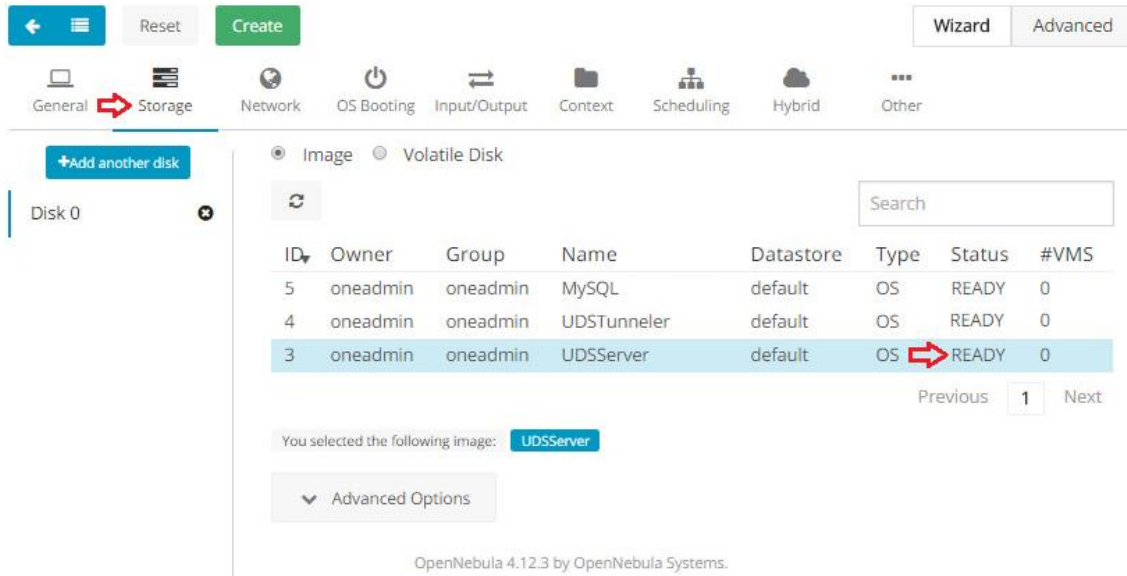
In the **General** tab you will have to indicate the name of the VM, the amount of RAM, number of CPUs and vCPUs.

For the different UDS Appliances, the configuration would be as follows:

MV	Memory (MB)	CPU	STORAGE
MySQL	3072	2	24
Server	4096	4	16
Tunnel	4096	4	20

In the **Storage** tab select the UDS disk image and check that it has the status "Ready".

Create Template



Wizard Advanced

General **Storage** Network OS Booting Input/Output Context Scheduling Hybrid Other

+Add another disk

Disk 0

Image Volatile Disk

Search

ID	Owner	Group	Name	Datastore	Type	Status	#VMS
5	oneadmin	oneadmin	MySQL	default	OS	READY	0
4	oneadmin	oneadmin	UDSTunneler	default	OS	READY	0
3	oneadmin	oneadmin	UDS	default	OS	READY	0

Previous 1 Next

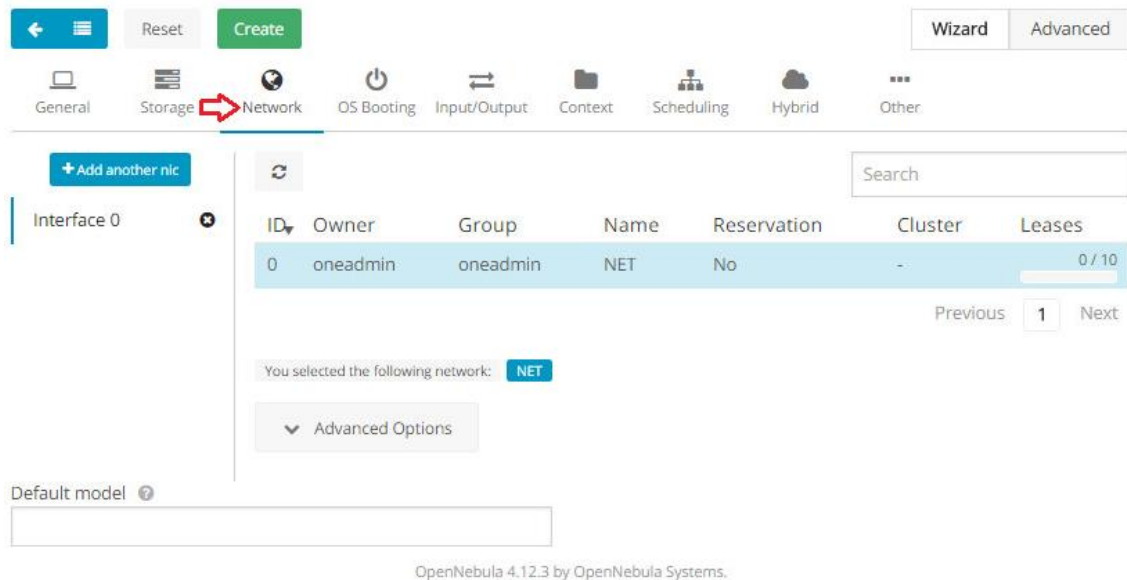
You selected the following image: UDS

Advanced Options

OpenNebula 4.12.3 by OpenNebula Systems.

In the **Network** tab select the network interface.

Create Template



Wizard Advanced

General Storage **Network** OS Booting Input/Output Context Scheduling Hybrid Other

+Add another nic

Interface 0

Search

ID	Owner	Group	Name	Reservation	Cluster	Leases
0	oneadmin	oneadmin	NET	No	-	0 / 10

Previous 1 Next

You selected the following network: NET

Advanced Options

Default model ?

OpenNebula 4.12.3 by OpenNebula Systems.

In the Input / Output tab configure the input and output devices. In this case select "VNC" output device and "Tablet" and "USB" input device.

Create Template

Reset
Create

Wizard
Advanced

General
Storage
Network
OS Booting
Input/Output
Context
Scheduling
Hybrid
Other

Graphics

VNC SDL SPICE

Listen IP

Port Keymap

Password

Generate Random Password

Inputs

Tablet USB Add

TYPE: tablet BUS: usb

OpenNebula 4.12.3 by OpenNebula Systems.

Click on "Create" and you will have a valid "Template".

Create Template

Reset
Create

Wizard
Advanced

General
Storage
Network
OS Booting
Input/Output
Context
Scheduling
Hybrid
Other

Once the template is created, click on "Instantiate".

Templates

Search
Update ➡ Instantiate
Clone

<input checked="" type="checkbox"/>	ID	Owner	Group	Name	Registration time
<input checked="" type="checkbox"/>	4	oneadmin	oneadmin	UDSServer	22:08:05 13/11/2016

Showing 1 to 1 of 1 entries

OpenNebula 4.12.3 by OpenNebula Systems.

In the wizard, indicate the name and the number of instances to create.

Instantiate VM Template ✕

VM Name ?

Number of instances ?

Hold ?

Templates to be instantiated

- UDSServer

[Instantiate](#)

Once the instance is created, the MV will appear in the "Virtual Machines" tab. Check that "Running" appears in the status.

Virtual Machines

↻
+

▶
⏸
■
↺
☰
👤
✖

ID	Owner	Group	Name	Status	Host	IPs	
26	oneadmin	oneadmin	UDSServer	▶ RUNNING	192.168.1.137	192.168.1.50	🖨

Showing 1 to 1 of 1 entries

Previous
1
Next
10

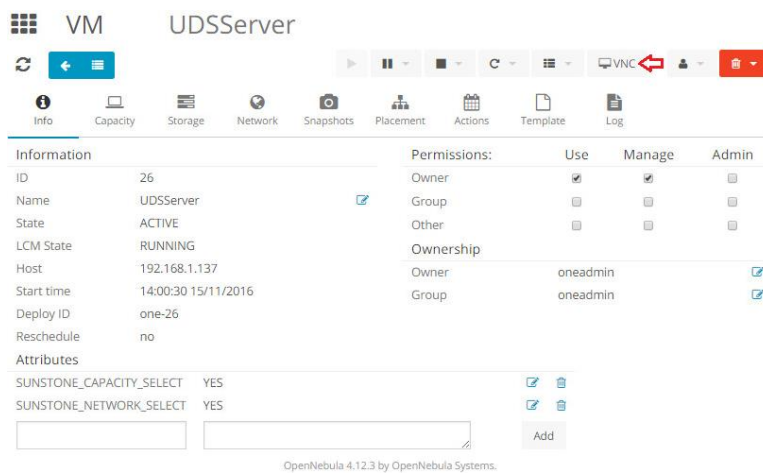
1 TOTAL
 1 ACTIVE
 0 OFF
 0 PENDING
 0 FAILED

OpenNebula 4.12.3 by OpenNebula Systems.

Start UDS servers

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

Click on "VNC".



The screenshot shows the OpenNebula web interface for a virtual machine named 'UDSServer'. The interface includes a top navigation bar with icons for Info, Capacity, Storage, Network, Snapshots, Placement, Actions, Template, and Log. A 'VNC' button is highlighted in red. Below the navigation bar, there are several sections: Information, Permissions, Use, Manage, Admin, and Ownership. The Information section contains the following data:

Information	Value
ID	26
Name	UDSServer
State	ACTIVE
LCM State	RUNNING
Host	192.168.1.137
Start time	14:00:30 15/11/2016
Deploy ID	one-26
Reschedule	no

The Permissions section shows a table with columns for Owner, Group, and Other, and rows for Use, Manage, and Admin. The Ownership section shows a table with columns for Owner and Group, and rows for oneadmin.

Permissions:	Use	Manage	Admin
Owner	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ownership	Owner	Group
Owner	oneadmin	<input checked="" type="checkbox"/>
Group	oneadmin	<input checked="" type="checkbox"/>

The Attributes section shows a table with columns for Attribute and Value, and rows for SUNSTONE_CAPACITY_SELECT and SUNSTONE_NETWORK_SELECT.

Attributes	Value
SUNSTONE_CAPACITY_SELECT	YES
SUNSTONE_NETWORK_SELECT	YES

At the bottom of the interface, there is a footer that reads 'OpenNebula 4.12.3 by OpenNebula Systems.'

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.