



IMPORTING UDS ON OPENNEBULA

UDS Enterprise components are provided as Virtual Appliances. To upload these elements to the OpenNebula platform, carry out 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 compatible with OpenNebula" (.RAW format):

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

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

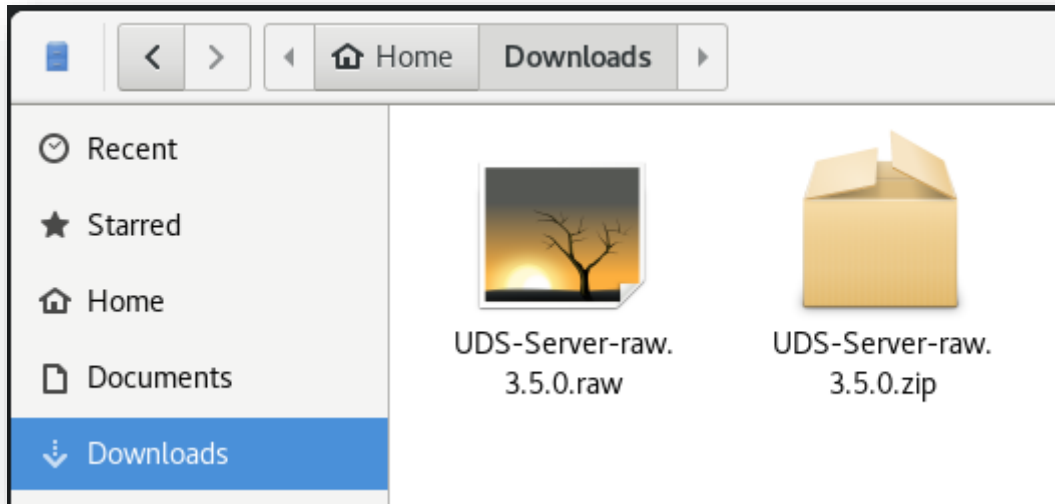
Index of /3.5/stable/raw

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
Parent Directory	-	-	-
UDS-Dbserver-raw.3.5.0.zip	2022-03-06 23:06	526M	
UDS-Server-raw.3.5.0.zip	2022-03-06 23:08	1.3G	
UDS-Tunnel-raw.3.5.0.zip	2022-03-06 23:08	770M	

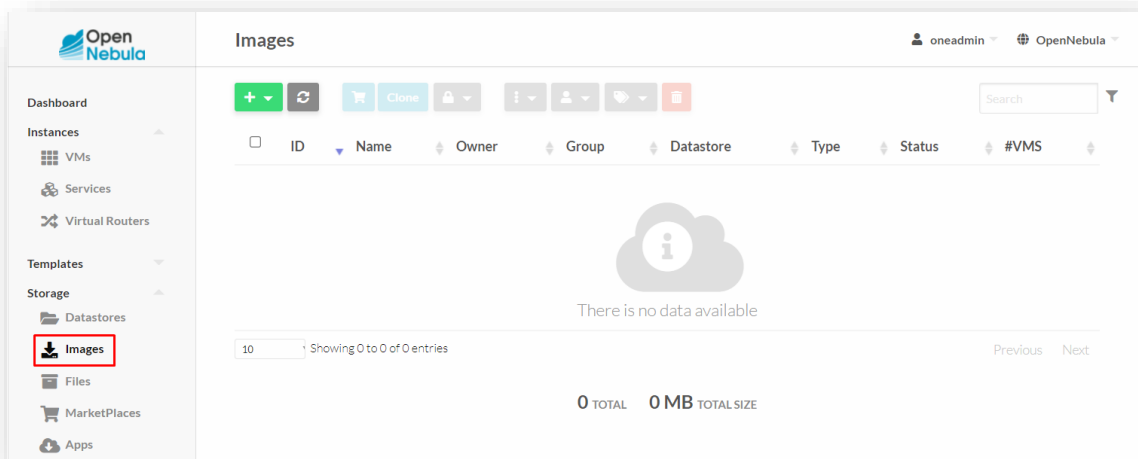


2. Import UDS Appliances on the virtual platform

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:

Datstore:

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".

OpenNebula oneadmin OpenNebula

Images

[Dashboard](#) [System](#) [Virtual Resources](#)

[Users](#) [Groups](#) [VDCs](#) [ACLs](#) [Virtual Machines](#) [Templates](#) [Images](#) [Files & Kernels](#)

[Refresh](#) [+](#)

[Clone](#) [⋮](#) [⌵](#) [🗑️](#)

ID	Owner	Group	Name	Datstore	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

Showing 1 to 3 of 3 entries

Previous Next

3 TOTAL 18GB USED

OpenNebula 4.12.3 by OpenNebula Systems.



To create the template, you will need to configure:

The screenshot shows the 'Create Template' wizard in OpenNebula. The 'General' tab is active, displaying the following configuration options:

- Name:** UDSServer
- Description:** (Empty text area)
- Memory:** 1024 MB (with a slider and unit dropdown)
- CPU:** 1 (with a slider)
- VCPU:** 2 (with a slider)
- Hypervisor:** KVM (selected), VMware, Xen, vCenter
- Logo:** (Dropdown menu)
- Cost:** (Two empty input fields for Memory and CPU)
- Checkboxes:**
 - Do not allow to change capacity
 - Do not allow to modify network configuration

At the bottom, it says '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	1024	2	10
Server	2048	2	10
Tunnel	2048	2	15



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

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

Previous 1 Next

You selected the following image: **UDSServer**

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

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

Previous 1 Next

You selected the following network: **NET**

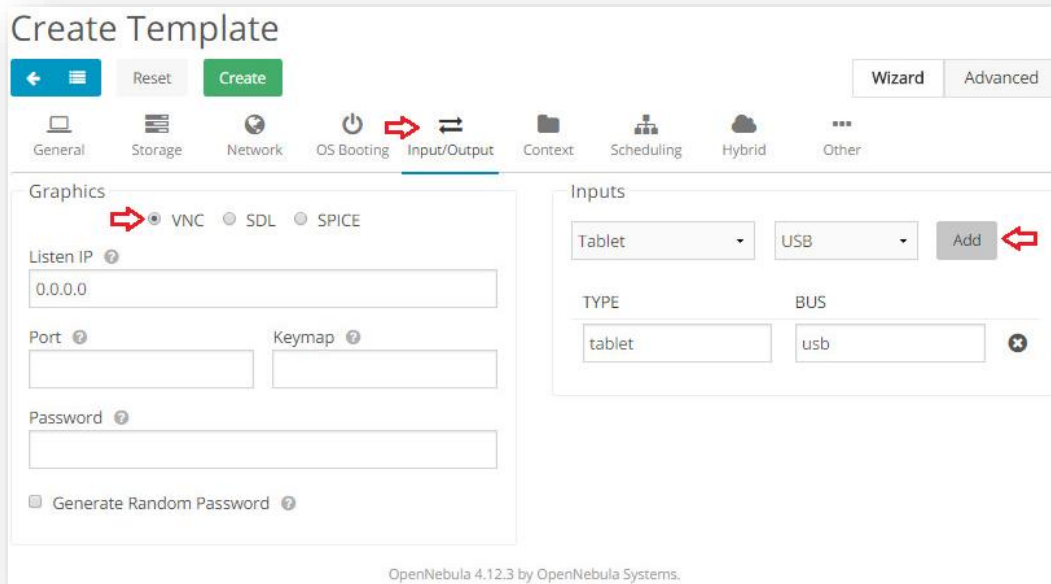
Advanced Options

Default model ?

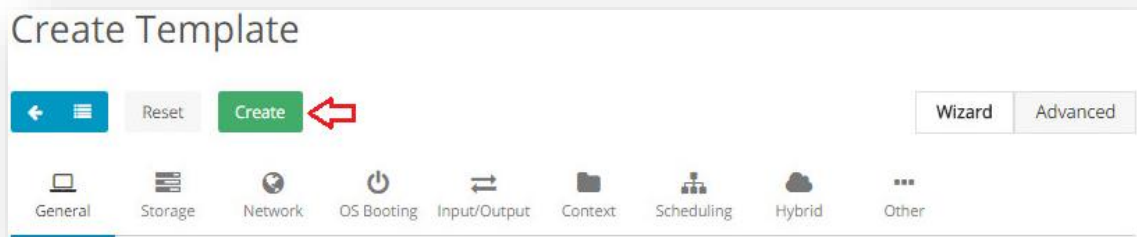
OpenNebula 4.12.3 by OpenNebula Systems.



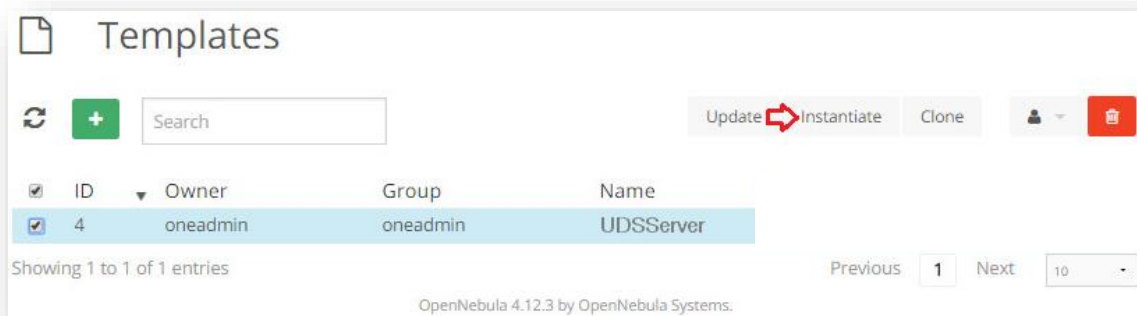
In the Input / Output tab configure the input and output devices. In this case select "VNC" output device and "Tablet" and "USB" input device.



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



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





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

Instantiate VM Template

VM Name [?]
UDSServer

Number of instances [?]
1

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

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3. 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".

VM UDSServer

Info Capacity Storage Network Snapshots Placement Actions Template Log

VNC

Information		Permissions:	Use	Manage	Admin
ID	26	Owner	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Name	UDSServer	Group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State	ACTIVE	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LCM State	RUNNING	Ownership			
Host	192.168.1.137	Owner	oneadmin		<input type="checkbox"/>
Start time	14:00:30 15/11/2016	Group	oneadmin		<input type="checkbox"/>
Deploy ID	one-26				
Reschedule	no				

Attributes

SUNSTONE_CAPACITY_SELECT	YES	<input type="checkbox"/>	<input type="checkbox"/>
SUNSTONE_NETWORK_SELECT	YES	<input type="checkbox"/>	<input type="checkbox"/>

Add

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Access the console through "VNC" to proceed to configure the UDS VM (see [UDS Enterprise Installation, Administration and User Manual](#)).

```
UDS Enterprise Server v3.5.0 uds tty1
uds login: root (automatic login)
Linux uds 5.10.0-10-amd64 #1 SMP Debian 5.10.84-1 (2021-12-08) x86_64
UDS Enterprise Server v3.5.0

      (((((/,))))))
      (((((((/,))))))
      /((((((((/,))))))
      /((((((((/,))))))
      ,*(((,))))
      ,/(((,))))
      ###*,/(((,))))
      ,(((,))))
      ,/#####(,(((,))))
      ,/#####/,*(((,))))
      *#####(,(((,))))
      *#####/,*(((,))))
      ,/#####(,*/(((,))))
      ,*#####(,(((,))))
      ,)

UDS Enterprise comes with ABSOLUTELY NO WARRANTY,
to the extent permitted by applicable law.
Last login: Mon Jan  3 14:42:12 CET 2022 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 192.168.15.151. We are going to start the web setup process for you right now.
To configure your appliance, please go to this URL: http://192.168.15.151:9900
The setup process will be available until finished or the appliance is rebooted.
root@uds:~#
```

NOTES:

1. If you want to use the UDS Tunnel component (which will provide you with WAN access 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 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 or email us at info@udsenderprise.com