



### IMPORT UDS APPLIANCES TO OPENNEBULA

UDS Enterprise components are provided as Virtual Appliance. In order to upload these elements to the OpenNebula platform we will perform the following tasks:

Access your account in:

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

Once inside the download page, click on **UDS Enterprise Appliances compatible with OpenNebula** in **Other Appliances**:

**Other Appliances**

- UDS Enterprise Appliances compatible with Nutanix Acropolis, OpenStack, OpenNebula...
- UDS Enterprise Appliances compatible with oVirt-RHEV
- UDS Enterprise Appliances compatible with Microsoft Hyper-V

This will direct you to a download manager where the appliances to be downloaded are found.

images.udsenderprise.com/2.0/stable/raw/

### Index of /2.0/stable/raw

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
<a href="#">Parent Directory</a>		-	
<a href="#">Mysql.zip</a>	2016-10-11 03:16	495M	
<a href="#">UDS-Server-2.0.zip</a>	2016-09-16 06:57	692M	
<a href="#">UDS-Tuneler-2.0.zip</a>	2016-09-23 11:00	640M	

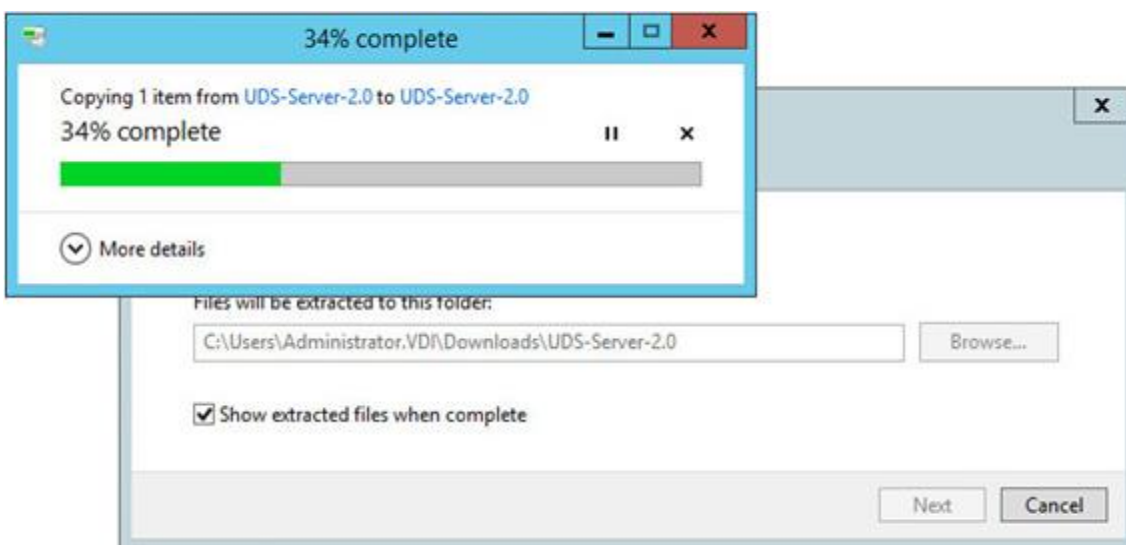
*Apache/2.4.10 (Debian) Server at images.udsenderprise.com Port 80*



Download and uncompress the archives. In this case, we will expose an example of the file **UDS-Server-x.x.zip**

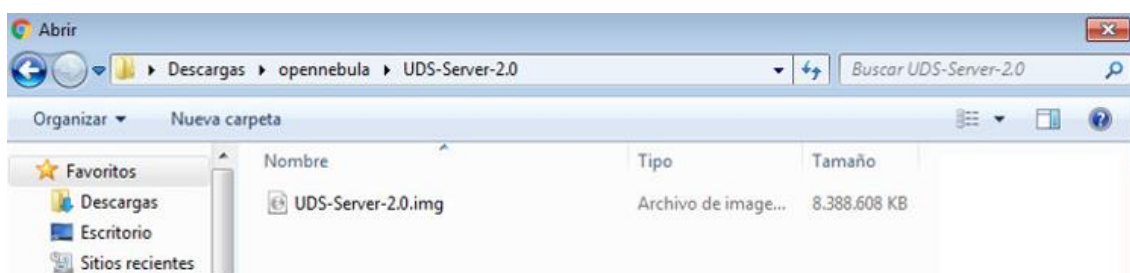
Nombre	Tipo	Tamaño
Mysql.zip	Archivo WinRAR ZIP	506.842 KB
UDS-Server-2.0.zip	Archivo WinRAR ZIP	708.465 KB
UDS-Tuneler-2.0.zip	Archivo WinRAR ZIP	655.079 KB

Uncompressing archives:



Nombre	Tipo	Tamaño
Mysql	Carpeta de archivos	
UDS-Server-2.0	Carpeta de archivos	
UDS-Tuneler-2.0	Carpeta de archivos	
Mysql.zip	Archivo WinRAR ZIP	506.842 KB
UDS-Server-2.0.zip	Archivo WinRAR ZIP	708.465 KB
UDS-Tuneler-2.0.zip	Archivo WinRAR ZIP	655.079 KB

After decompressing the .zip, you get an ".img" file, which you will need to import into the OpenNebula platform.





Access OpenNebula and click on “images”.

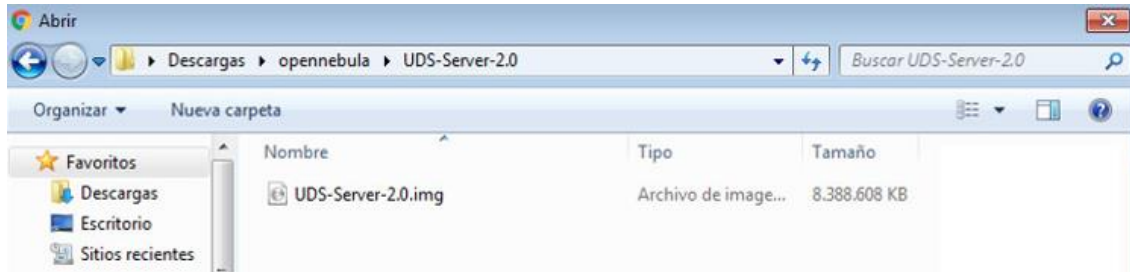
The screenshot shows the OpenNebula web interface. On the left is a navigation sidebar with categories: Dashboard, System (Users, Groups, VDCs, ACLs), Virtual Resources (Virtual Machines, Templates, **Images**, Files & Kernels), and Infrastructure (Clusters, Hosts, Datastores, Virtual Networks). The main area is titled 'Images' and features a search bar, a '+ Add' button, and a table with columns: ID, Owner, Group, Name, Datastore, Type, Status, and #VMS. The table is currently empty, displaying a message: 'There is no data available'. Below the table, it shows 'Showing 0 to 0 of 0 entries' and a summary row: '0 TOTAL 0 ACTIVE 0 OFF 0 PENDING 0 FAILED'. At the bottom, it says 'OpenNebula 4.12.3 by OpenNebula Systems.'.

The assistant will prompt you for the name and image of the new virtual machine.

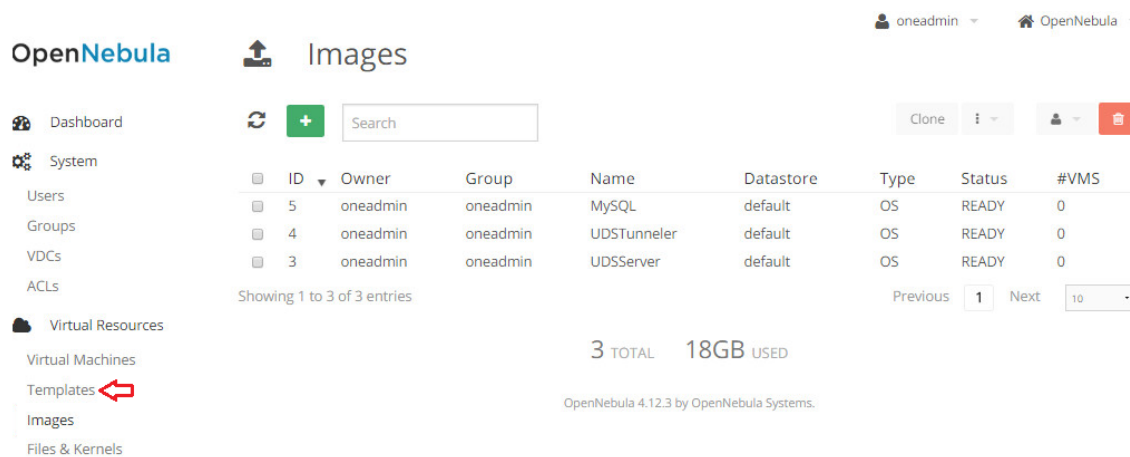
The screenshot shows the 'Create Image' wizard in OpenNebula. It has a close button (X) in the top right. There are two tabs: 'Wizard' (selected) and 'Advanced mode'. The form includes: a 'Name' field with the value 'UDS Server'; a 'Description' text area; 'Type' and 'Datastore' dropdown menus, both set to 'OS' and '1: default' respectively; a 'Persistent' checkbox which is checked; an 'Image location:' section with radio buttons for 'Provide a path', 'Upload' (selected), and 'Empty datablock'; a 'Choose File' button with the text 'No file chosen' next to it; and a 'Reset' button at the bottom left and a 'Create' button at the bottom right.



Locate and select the image to be created.



Once you get the images ready, you will need to create a **“Template”**.



To create the Template, there is a set of tabs to configure:

In the **General tab** you will have to indicate the name of the VM, place a logo of the S.O, memory, CPU and VCPU. For UDS, the configuration would be as follows:

MV	Memory (MB)	CPU	VCPU
MySQL	1024	1	1
Server	1024	1	2
Tunneler	1024	1	2



### Create Template

The screenshot shows the 'Create Template' wizard in the OpenNebula interface, specifically the 'General' tab. The 'Name' field is filled with 'UDSServer'. The 'Hypervisor' is set to 'KVM'. The 'Memory' is set to 1024 MB, 'CPU' to 1, and 'VCPU' to 2. There are checkboxes for 'Do not allow to change capacity' and 'Do not allow to modify network configuration'. The footer indicates 'OpenNebula 4.12.3 by OpenNebula Systems.'

In the tab **Storage**: Select the image and make sure it is **“Ready”**.

### Create Template

The screenshot shows the 'Create Template' wizard in the OpenNebula interface, specifically the 'Storage' tab. A table lists available images. The 'UDSServer' image is selected and highlighted in blue. The status 'READY' is indicated with a red arrow. The footer indicates 'OpenNebula 4.12.3 by OpenNebula Systems.'

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



In the tab **Network**: Select the interface.

### Create Template

Wizard Advanced

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

+ Add another nic

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

You selected the following network: **NET**

Advanced Options

Default model ?

OpenNebula 4.12.3 by OpenNebula Systems.

In the tab **Input/Output**: Select input/output devices, in this case the output is “VNC” and input is “Tablet” & “USB”.

### Create Template

Wizard Advanced

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

Graphics

VNC  SDL  SPICE

Listen IP ?

0.0.0.0

Port ? Keymap ?

Password ?

Generate Random Password ?

Inputs

Tablet USB Add

TYPE BUS

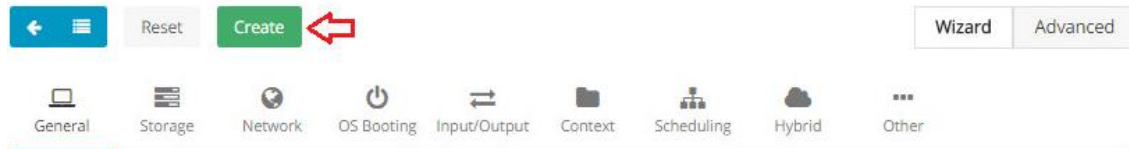
tablet usb

OpenNebula 4.12.3 by OpenNebula Systems.



Click on **“Create”** and the **Template** will be created.

### Create Template

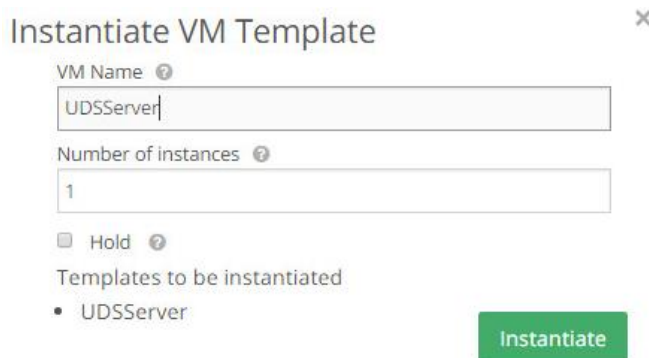


Upon the creation of the **Template**, click on **“Instantiate”**.

### Templates

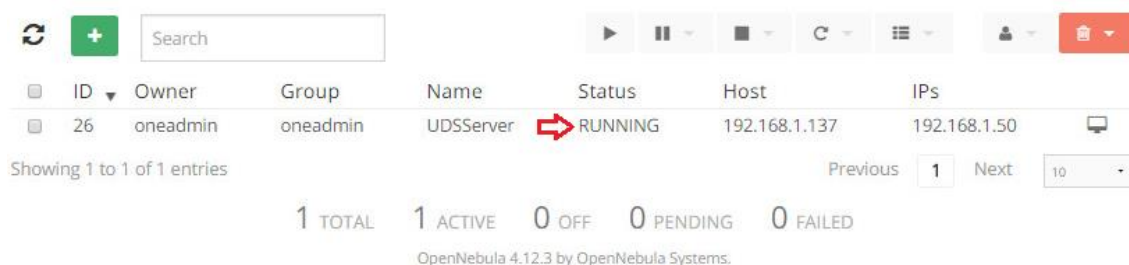


In **“Instantiate”** you should specify the name and number of instances to be created.



Upon the creation of the instance, the VM will appear in the **“Virtual Machines”** tab, check if it is **“Running”**.

### Virtual Machines





Click on the VM, a small summary of all the configuration will appear, as well as the console option "VNC".

The screenshot shows the OpenNebula interface for a VM named 'UDSServer'. The top navigation bar includes 'Info', 'Capacity', 'Storage', 'Network', 'Snapshots', 'Placement', 'Actions', 'Template', and 'Log'. The 'Info' tab is active, displaying the following information:

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"/>

At the bottom, there are two empty input fields and an 'Add' button.

OpenNebula 4.12.3 by OpenNebula Systems.





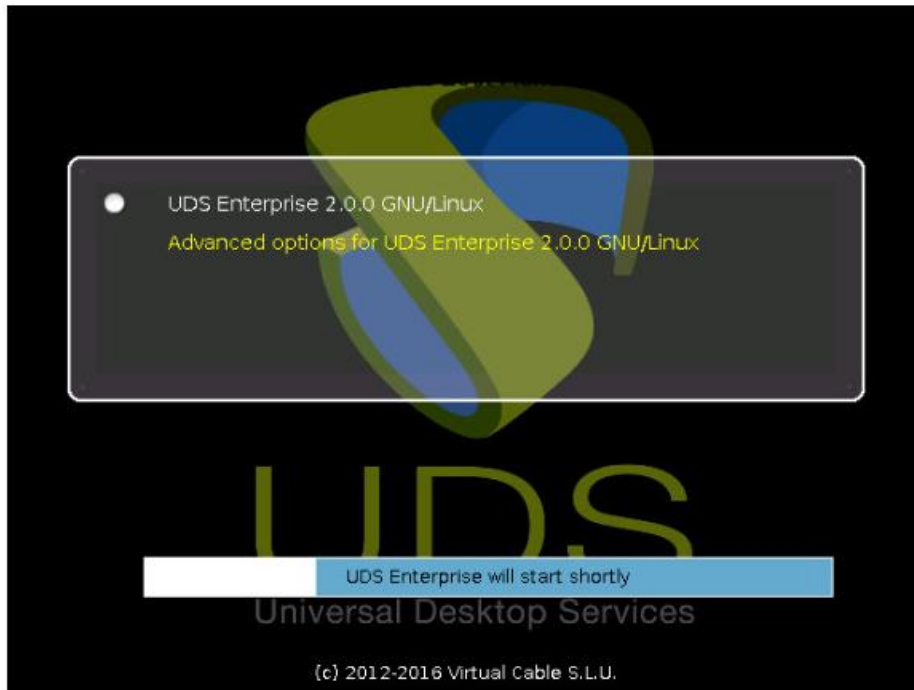
# UDS Enterprise

## How to import UDS Appliances to OpenNebula

www.udsenderprise.com

Access the console through the button “**VNC**” to proceed UDS configuration (see [UDS Enterprise 2.0 Installation, Administration and User Guide](#)).

VNC Connected (unencrypted) to: QEMU (one-26)



### NOTES:

1. If you want to use the UDS Tuneler component (which will give you access from WAN and HTML5 access to desktops / applications) repeat the same tasks described above using the file UDS-Tuneler.x.x.zip
2. If you do not have your own database server to host the UDS Enterprise database (remember that UDS Enterprise Free Edition & UDS Enterprise Evaluation Version do not require an external database), from the same link you can download A virtual machine with a database server already prepared for that purpose. We remind you that this server is not part of UDS Enterprise, and, therefore, is not included in the support.



# UDS Enterprise

## How to import UDS Appliances to OpenNebula

[www.udsenderprise.com](http://www.udsenderprise.com)

### Support and professional services

VirtualCable markets UDS Enterprise through a subscription model, including support and updates, depending on the number of users.

In addition, Virtual Cable offers professional services to install and configure UDS Enterprise and other virtualization technologies.

For more details, visit [www.udsenderprise.com](http://www.udsenderprise.com) or send us an email to [info@udsenderprise.com](mailto:info@udsenderprise.com)