



# Importing UDS on oVirt



#SmartDigitalWorkplace

VIRTUAL CABLE

## Index

INTRODUCTION .....	2
Download UDS Appliances .....	2
Import UDS Appliances to the virtual platform.....	3
Start UDS servers.....	10
THE SMART DIGITAL WORKPLACE SOLUTION BY VIRTUAL CABLE .....	12
About UDS Enterprise.....	12
About Virtual Cable .....	12

## INTRODUCTION

UDS Enterprise components are provided as Virtual Appliances.

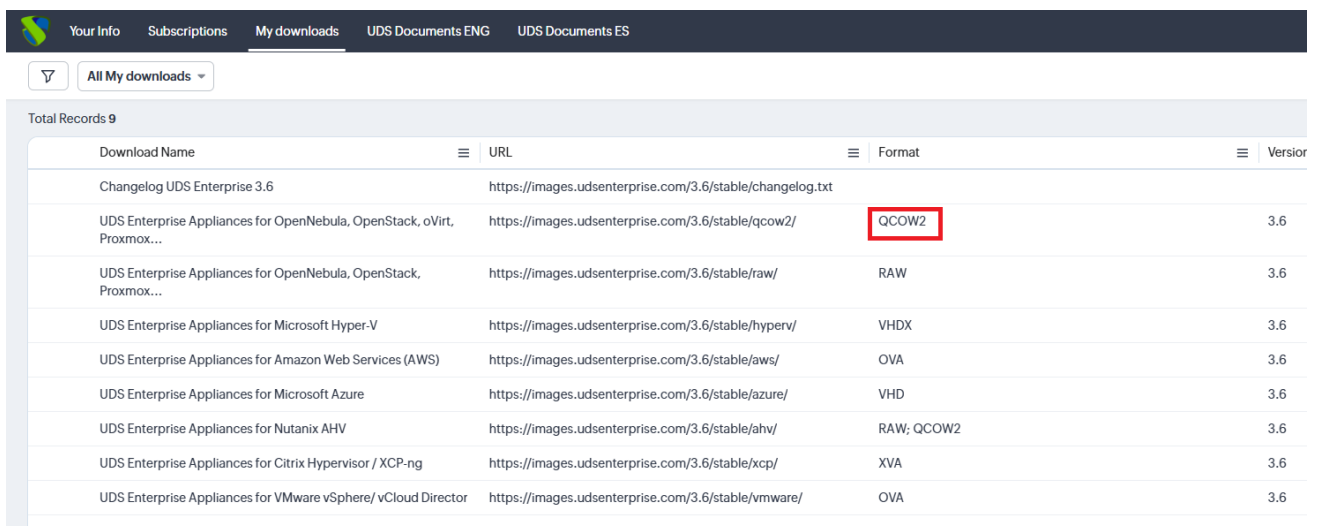
To upload these elements into the oVirt platform, perform the following tasks:

### 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 OpenNebula, OpenStack, oVirt, Proxmox (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

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

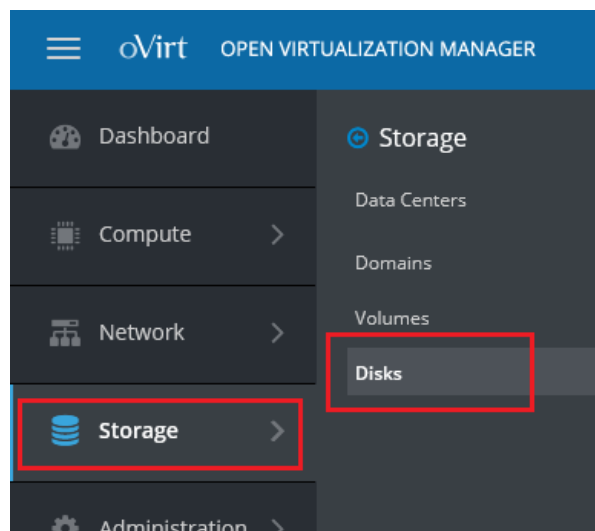
Download the UDS Appliances. See below an example with the UDS Server Appliance (**UDS-Server-qcow2.3.6.0**).

Download the .zip file and unzip it:

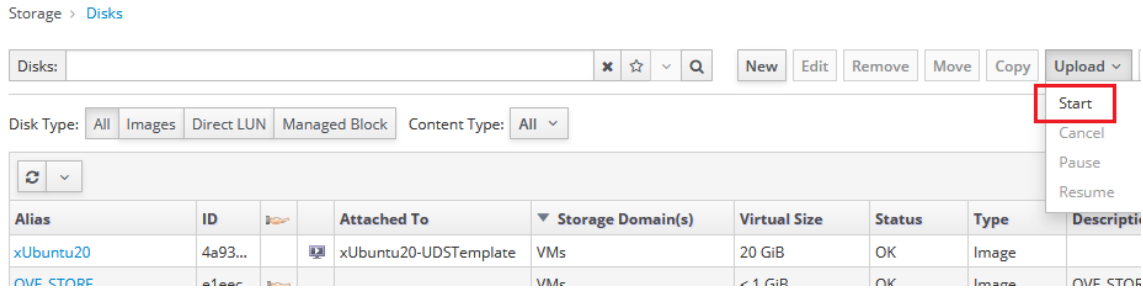
Nombre	
	UDS-Dbserver-qcow2.3.6.0.qcow2
	UDS-Server-qcow2.3.6.0.qcow2
	UDS-Tunnel-qcow2.3.6.0.qcow2
	UDS-Dbserver-qcow2.3.6.0.zip
	UDS-Server-qcow2.3.6.0.zip
	UDS-Tunnel-qcow2.3.6.0.zip

Access the oVirt environment through the oVirt-engine manager and proceed to import the server's virtual disk (in qcow2 format).

In the "Storage" menu access the "Disk" section




To import the disks from the UDS servers, in the menu select **“Upload”** and then **“Start”**:



In the import wizard you must indicate the server's disk file in qcow2 format, and a name in which storage and host will be hosted.

### Upload Image

Choose File: UDS-Server-qcow2.3.0.0.qcow2 

Format: QCOW2      Content: Data  
 Size: 2 GiB      QCOW2 Compat: 1.1  
 Virtual Size: 8 GiB      Backing File: No

---

Disk Options

Size (GiB):

Wipe After Delete  
 Shareable  
 Enable Incremental Backup

Alias:

Description:

Data Center:

Storage Domain:

Disk Profile:

Host:

✔
Connection to ovirt-imageio was successful.

Once the data has been indicated and the connection test has been carried out, click on **“OK”** for the import process to start:

Storage > Disks

Disks:

Disk Type:     Content Type:

Alias	ID	Attached To	Storage Domain(s)	Virtual Size	Status	Type
xUbuntu20	4a93...	xUbuntu20-UDSTemplate	VMs	20 GiB	OK	Image
UDS-Server	1464...		VMs	8 GiB	OK	Image
OVF_STORE	e1eec...		VMs	< 1 GiB	OK	Image
OVF_STORE	1e2a...		VMs	< 1 GiB	OK	Image

Once finished, proceed to import the rest of the UDS components (if necessary):

Disk Type:     Content Type:

Alias	ID	Attached To	Storage Domain(s)	Virtual Size	Status	Type
xUbuntu20	4a93...	xUbuntu20-UDSTemplate	VMs	20 GiB	OK	Image
UDS-Tunnel	331f8...		VMs	13 GiB	OK	Image
UDS-Server	1464...		VMs	8 GiB	OK	Image
UDS-DBServer	55dc...		VMs	10 GiB	OK	Image
OVF_STORE	e1eec...		VMs	< 1 GiB	OK	Image

You have to confirm that the import process has been successful. To do this, access the disk that you have just imported and confirm that it has a size greater than 1 GB:

**General** Virtual Machines Storage Permissions

Alias: UDS-Tunnel

Description:

ID: 331f860b-bff6-4c09-86e1-5d0f8e46a016

Disk Profile: VMs

Wipe After Delete: No

Virtual Size: 13 GiB

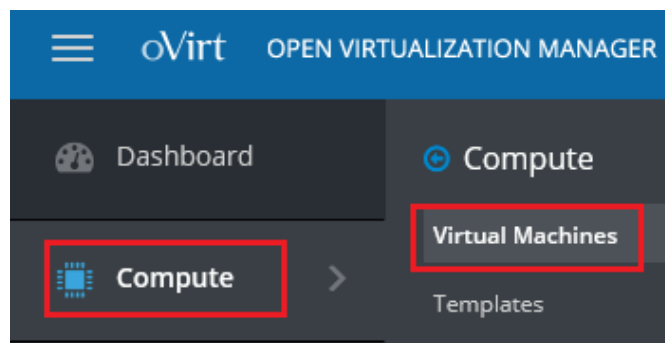
Actual Size: 3 GiB

If after a while since the import started the size is less than 1 GB, you will have to repeat the process, since that means that the disk is not been imported correctly:

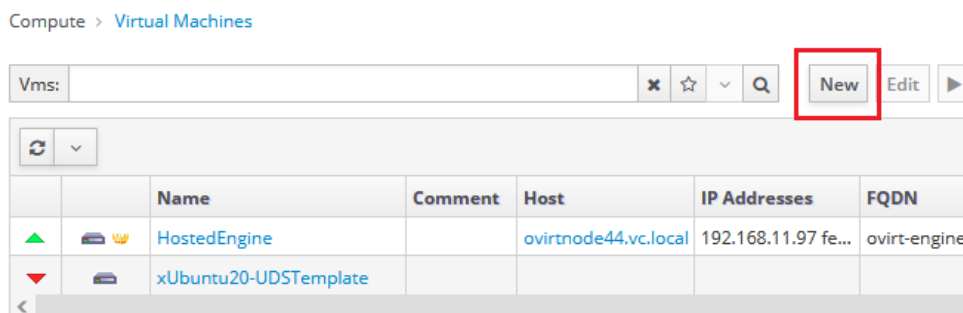
General	Virtual Machines	Storage	Permissions
Alias:	UDS-Tunnel		
Description:			
ID:	eb560b94-321c-4dde-8e90-8678993ad8df		
Disk Profile:	VMs		
Wipe After Delete:	No		
Virtual Size:	13 GiB		
Actual Size:	< 1 GiB		

Once you have the disks of the UDS components hosted on the oVirt platform, proceed to create the virtual machines that will make up the UDS servers.

In the "Compute" menu access the "Virtual Machines" section:



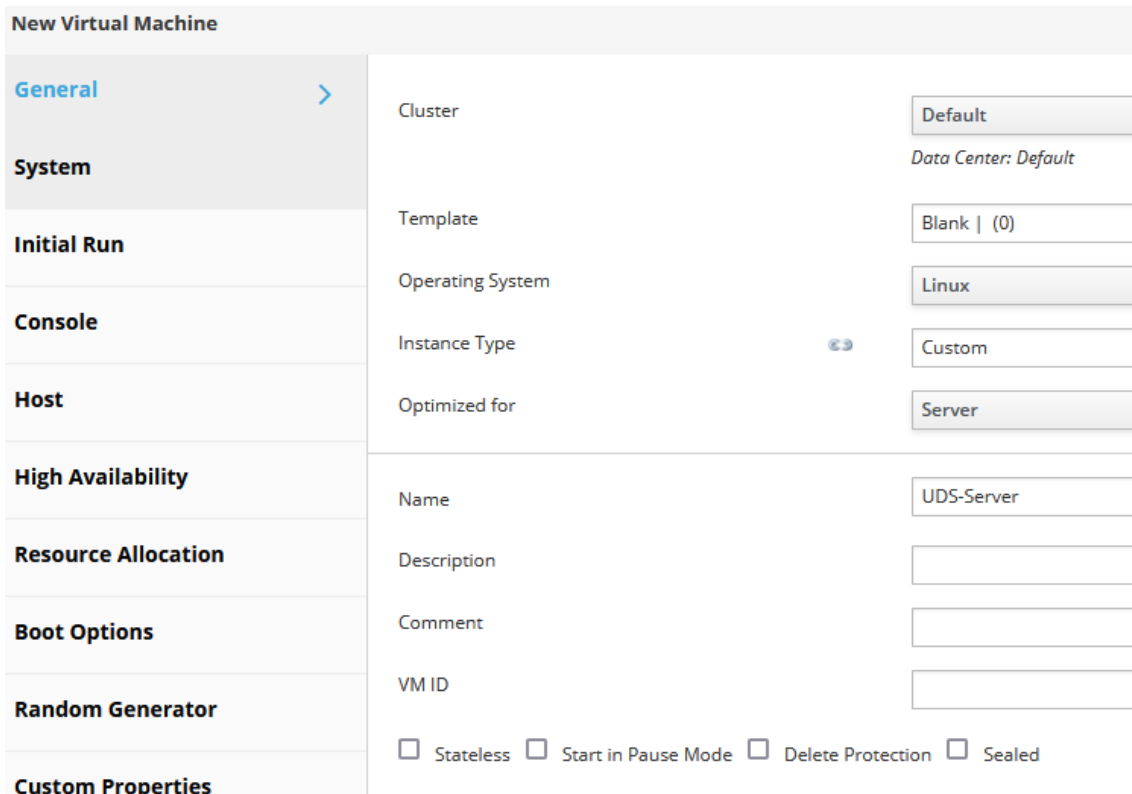
To run the virtual machine creation wizard, select "New":



In the wizard, you must indicate at least the following information:

- General

Indicate the "**Linux**" OS and a descriptive name:



**New Virtual Machine**

**General** >

Cluster: Default  
Data Center: Default

Template: Blank | (0)

Operating System: Linux

Instance Type: Custom

Optimized for: Server

Name: UDS-Server

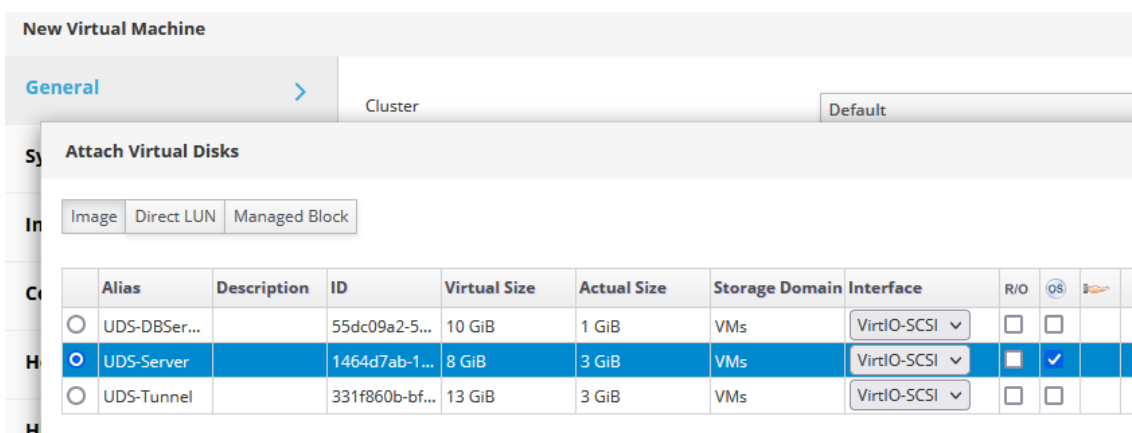
Description:

Comment:

VM ID:

Stateless  Start in Pause Mode  Delete Protection  Sealed

In the "**Instance Images**" section, click on "**Attach**" and select the previously imported server disk. You will also mark that it is the disk with the OS:



**New Virtual Machine**

**General** > Cluster: Default

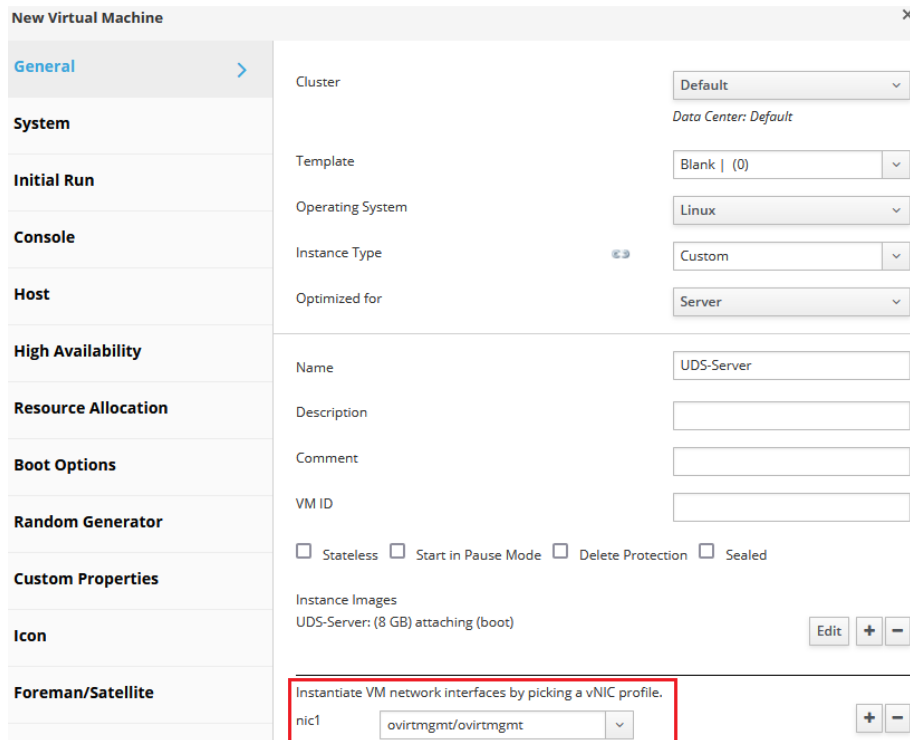
**Attach Virtual Disks**

Image | Direct LUN | Managed Block

	Alias	Description	ID	Virtual Size	Actual Size	Storage Domain	Interface	R/O	OS	
<input type="radio"/>	UDS-DBSer...		55dc09a2-5...	10 GiB	1 GiB	VMs	VirtIO-SCSI	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="radio"/>	UDS-Server		1464d7ab-1...	8 GiB	3 GiB	VMs	VirtIO-SCSI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="radio"/>	UDS-Tunnel		331f860b-bf...	13 GiB	3 GiB	VMs	VirtIO-SCSI	<input type="checkbox"/>	<input type="checkbox"/>	



In the network section, indicate a valid network for the server:



**New Virtual Machine**

**General**

Cluster: Default  
Data Center: Default

Template: Blank | (0)

Operating System: Linux

Instance Type: Custom

Optimized for: Server

Name: UDS-Server

Description:

Comment:

VM ID:

Stateless  Start in Pause Mode  Delete Protection  Sealed

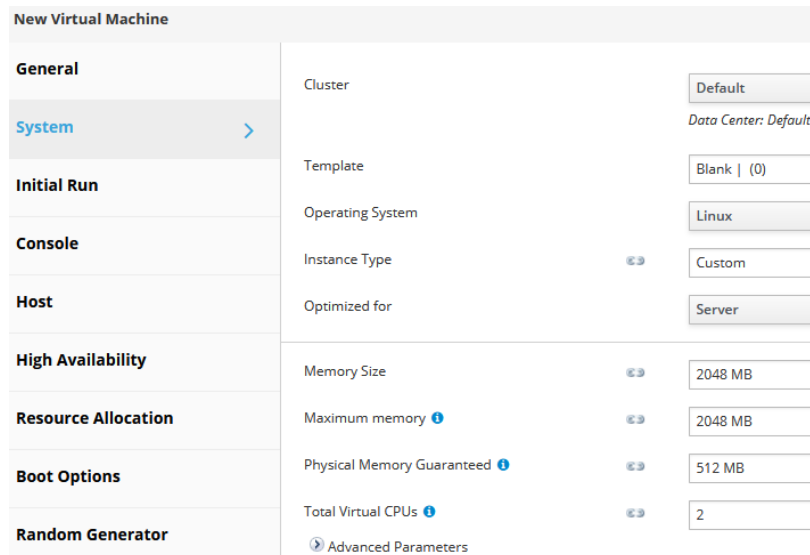
Instance Images  
UDS-Server: (8 GB) attaching (boot)

Instantiate VM network interfaces by picking a vNIC profile.

nic1: ovirtmgmt/ovirtmgmt

- System

Enter the number of vCPUs and the amount of memory that the servers will have:



**New Virtual Machine**

**System**

Cluster: Default  
Data Center: Default

Template: Blank | (0)

Operating System: Linux

Instance Type: Custom

Optimized for: Server

Memory Size: 2048 MB

Maximum memory: 2048 MB

Physical Memory Guaranteed: 512 MB

Total Virtual CPUs: 2

Advanced Parameters

For the different components of UDS, you will indicate at least the following resources:

VM	Memory (MB)	vCPUs
MySQL	3072	2
Server	4096	4
Tunnel	4096	4

The rest of the parameters of the creation wizard can be left by default.

Once all the data has been specified, click on "**ok**" to create the server:

Compute > Virtual Machines

Vms:  [x] [☆] [v] [Q] [New] [Edit] [▶ Run] [v] [⏸ Suspend] [Export] [■ Shutdown] [v] [↺ Reboot]

	Name	Com Host	IP Addresses	FQDN	Clus Data	Memory	CPU	Network	Graphics	Status
▲	HostedEngine	ovirtnode44.vc.local	192.168.11.97 fe...	ovirt-engine...	Defa Defa	45%	5%	0%	SPICE + ...	Up
▼	UDS-Server				Defa Defa	--	--	--	None	Down
▼	xUbuntu20-UDSTemplate				Defa Defa	--	--	--	None	Down

Repeat the same process for the rest of the UDS components:

Compute > Virtual Machines

Vms:  [x] [☆] [v] [Q] [New] [Edit] [▶ Run] [v] [⏸ Suspend] [Export] [■ Shutdown]

	Name	Com Host	IP Addresses	FQDN	Clus Data	Memory	CPU	Network	Graphics	Status
▲	HostedEngine	ovirtnode44.vc.local	192.168.11.97 ...	ovirt-e...	Defa Defa	44%	10%	0%	SPICE + ...	Up
▼	UDS-DBServer				Defa Defa	--	--	--	None	Down
▼	UDS-Server				Defa Defa	--	--	--	None	Down
▼	UDS-Tunnel				Defa Defa	--	--	--	None	Down
▼	xUbuntu20-UDSTemplate				Defa Defa	--	--	--	None	Down

## Start UDS servers

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

```

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
  
```



Wait for the VM to start and then proceed with the configuration of the UDS Appliance (see [Installation, Administration and User Manual of UDS Enterprise](#)).

### 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.xxzip 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.



## 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.