VIRTUAL CABLE

Importing UDS on HPE Morpheus

#SmartDigitalWorkplace

VIRTUAL CABLE

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INTRODUCTION

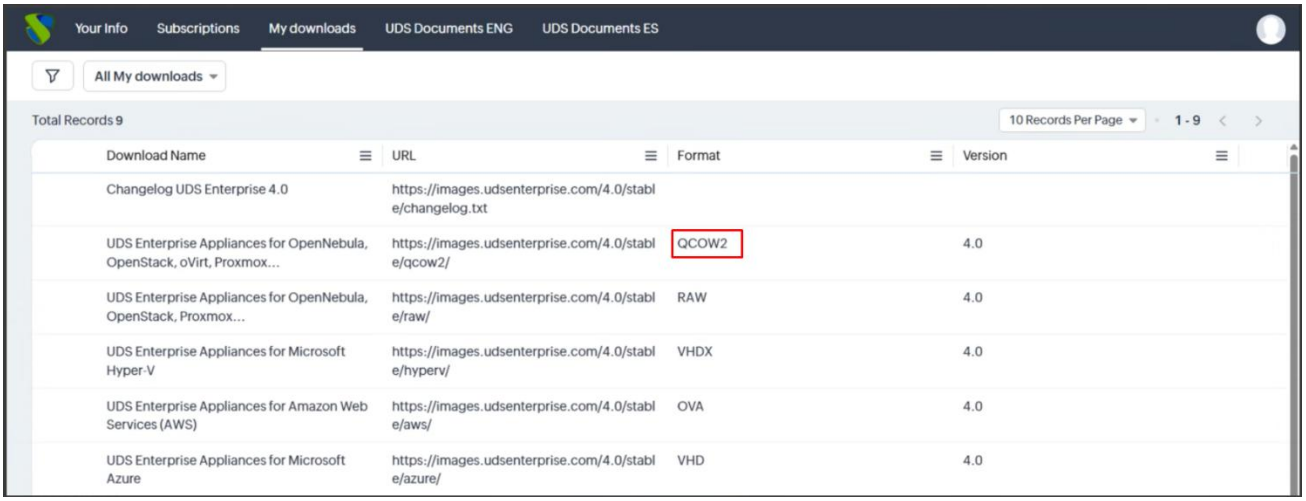
UDS Enterprise components are provided as Virtual Appliances.

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

Download UDS Appliances

Access your account at:

https://myuds.udsenterprise.com/portal/MyUDSEnterprise/crm/login.sas

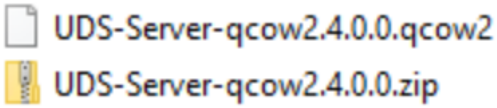


Once inside, in the **"My Downloads"** section, select **"UDS Enterprise Appliances for OpenNebula, OpenStack, oVirt, Proxmox "** (.QCOW2 format):

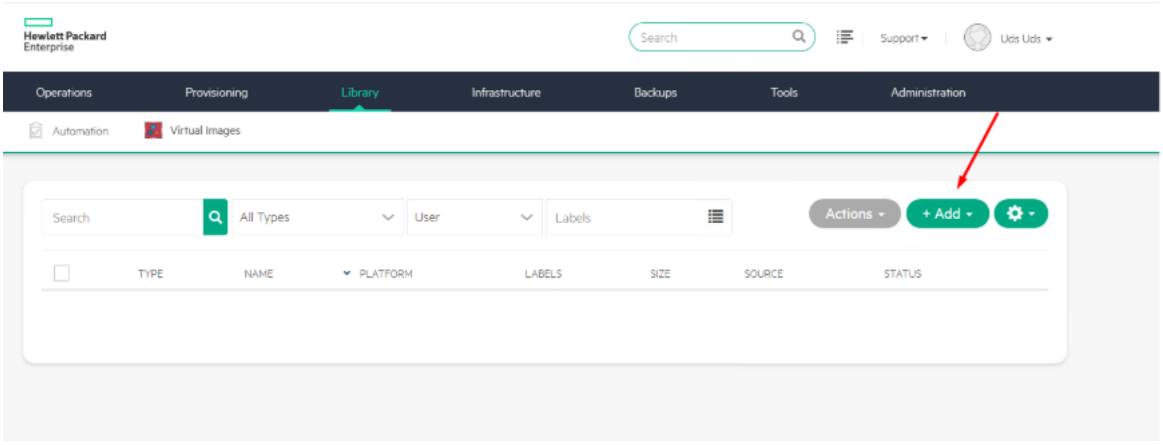
It will take you to a download repository where you will find the UDS Appliances:

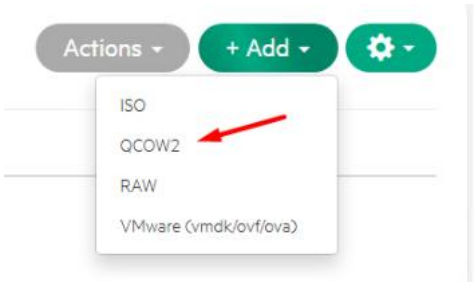
Import UDS Appliances to the virtual platform

Download the UDS Appliances and unzip them.



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



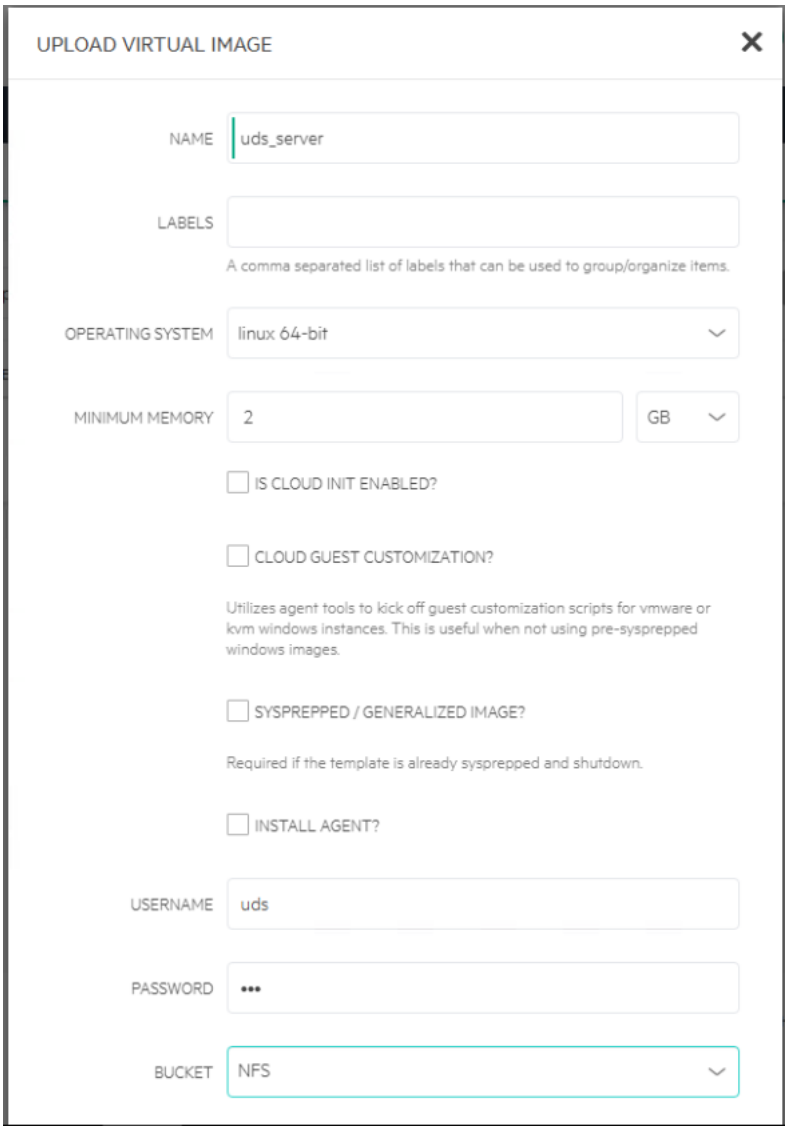


The image creation wizard will ask you:

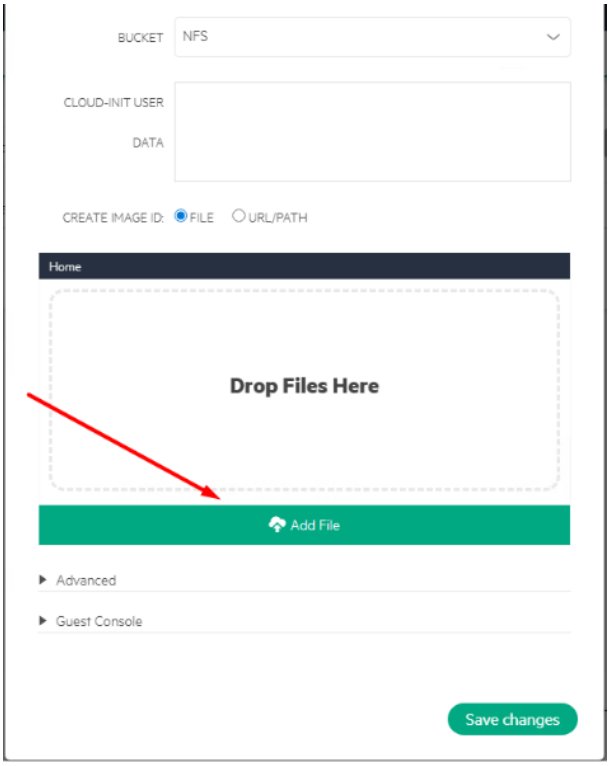
- **Image Name:** Identifying name of the image to import.
- **Image Source:** Select the disk of the UDS component to import. This disk can be in .qcow2 or .raw format.
- **Format:** Format of the previously selected disk.
- **Image Requirements:** You will indicate the architecture (x86_64 for all UDS components), and minimum memory.
    - You must use the following sizes:

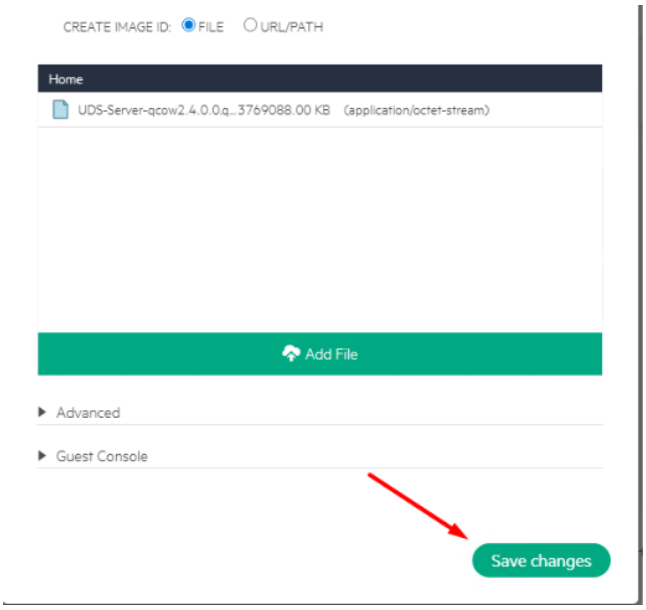
UDS Image	RAM (MB)
MySQL	4096
UDS Server	4096
UDS Tunnel	4096

- **Is CloudInit enabled?:** Prepares the instance using automation scripts. Since we aren't going to be using any, we'll leave this box unchecked.
- **Cloud guest customization?:** Allows the use of customization scripts. We will uncheck this option.
- **Sysprepped / Generalized image?:** Indicates whether the image has been previously Sysprepped. We will leave this option unchecked.
- **Install agent?:** We will uncheck this option, as it installs an agent that slows down the operation of UDS.
- **Username**: Administrator user.
- **Password**: User password.
- **Bucket**: Storage point in which to save all uploaded files.
- **Cloud-Init User**: Since we are not going to use Cloud-Init, we will leave this field blank.
- **Create image ID**: Select "File" to use a file instead of a link as the file location.

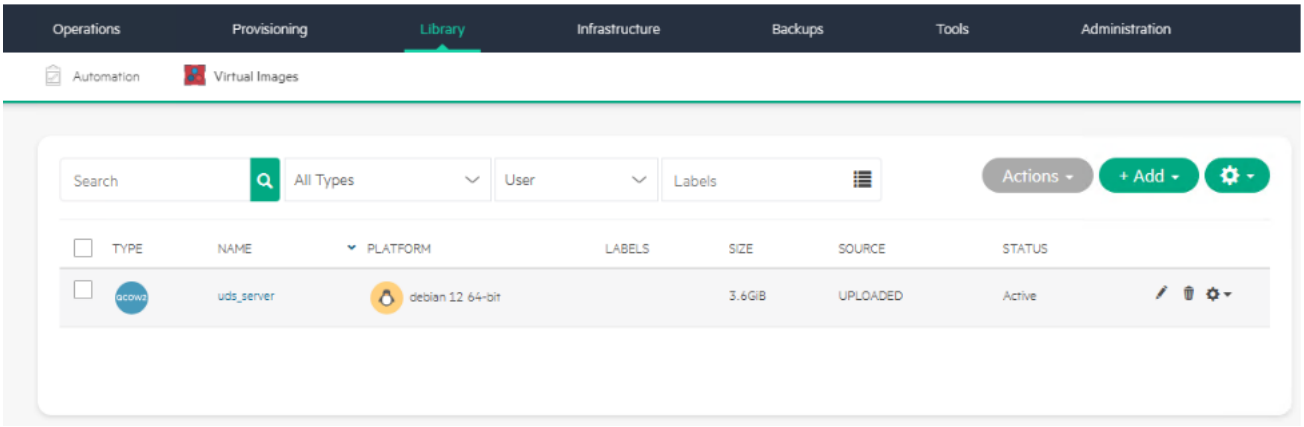

UPLOAD VIRTUAL IMAGE
NAME
uds_server
LABELS
A comma separated list of labels that can be used to group/organize items.
OPERATING SYSTEM
linux 64-bit
MINIMUM MEMORY
2
GB
IS CLOUD INIT ENABLED?
CLOUD GUEST CUSTOMIZATION?
Utilizes agent tools to kick off guest customization scripts for vmware or kvm windows instances. This is useful when not using pre-sysprepped windows images.
SYSPREPPED / GENERALIZED IMAGE?
Required if the template is already sysprepped and shutdown.
INSTALL AGENT?
USERNAME
uds
PASSWORD
BUCKET
NFS

We select the image and wait until it is imported. Once the image has been uploaded and the configuration is correct, click the “Save changes” button.





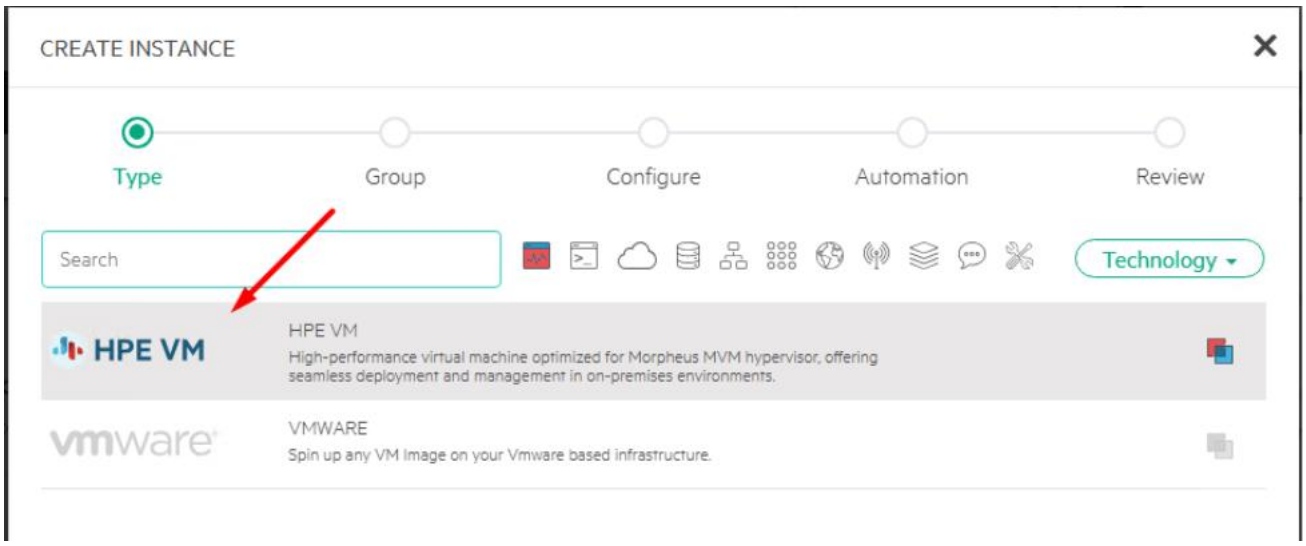
Wait until the import of the image is finished and the status is **"Active"**.



Once the images are available and active, we proceed to launch the instance. We select the "**Provisioning**" section and click on "Add."

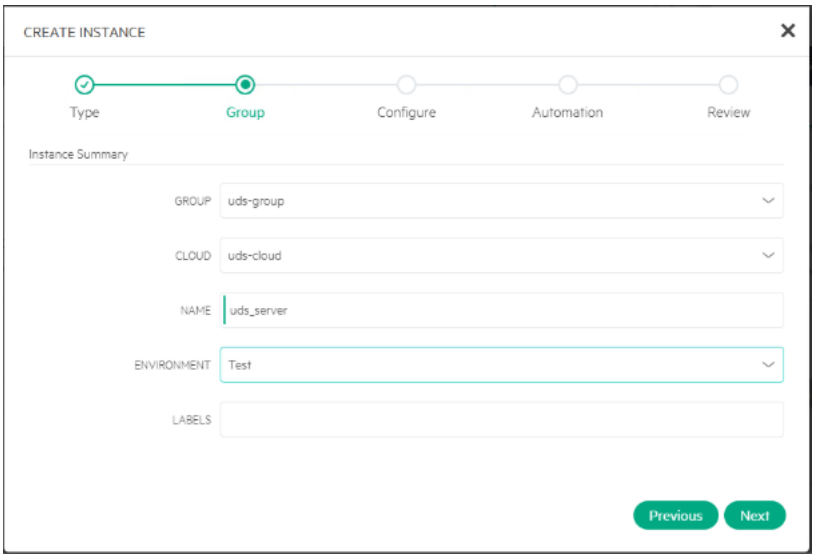
In the wizard, we will specify at least the following information:

Type: We will indicate the type of instance we want to create. In this case, we will use HPE VM.



Group:

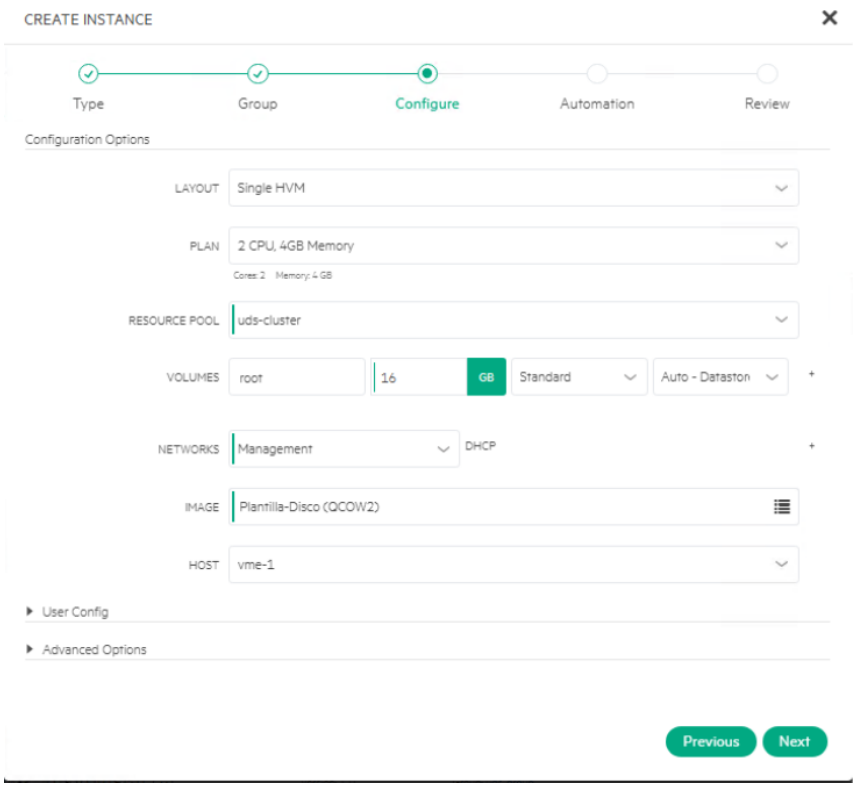
- **Group:** The group to which our appliance will belong.
- **Cloud**: The cloud on which it will be deployed.
- **Name**: The name of the appliance to be created.
- **Environment**: The type of environment where it will be deployed (Test, Dev, etc.).
- **Labels:** Identifying tags for our appliance.



Configure:

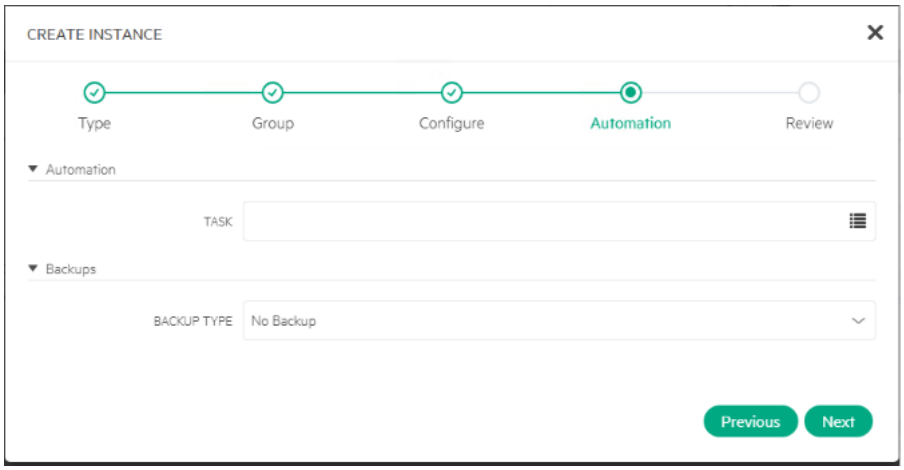
- **Layout:** Type of appliance distribution. We will select “Single HPE VM.”
- **Plan:** The resource plan used (One appropriate to the minimum requirements will have to be used, refer to the table below).
- **Resource Pool:** Cluster in which the appliance will be deployed.
- **Volumes:** The storage volume and disk space used.
- **Networks:** The network to which the appliance will be connected.
- **Image:** The image to be used. In this case, the previously uploaded QCOW2 files.
- **Host:** The host on which the appliance will be deployed.

VM	Size (GB)	vCPUs
MySQL	24	2
UDS Server	16	2
UDS Tunnel	20	2



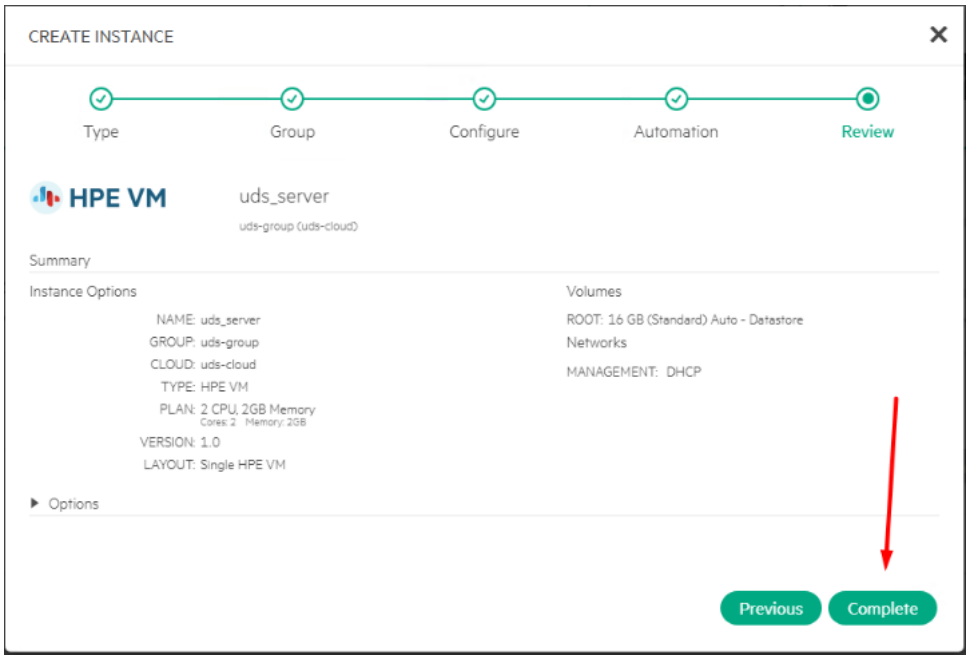
Automation:

Nothing needs to be added in this section, as UDS does not need to perform any automation tasks in HPE Morpheus for its proper operation.

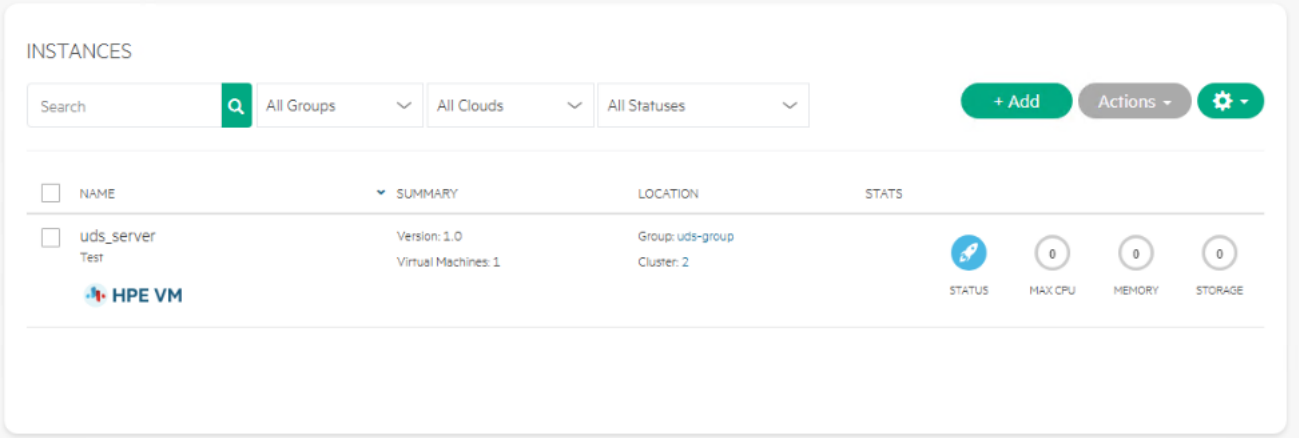


Once all steps of the wizard have been completed, we can review them to ensure they have been applied successfully.

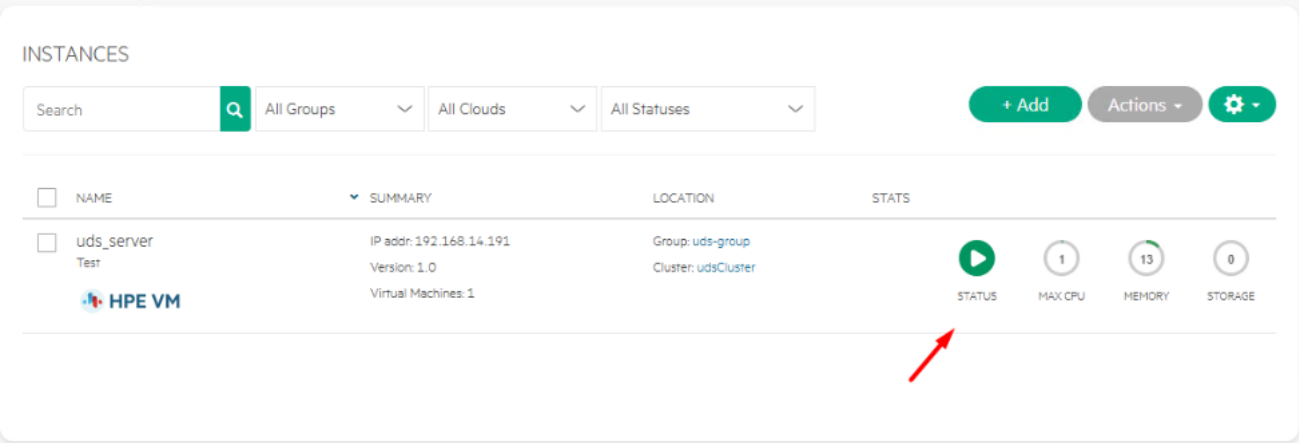
After verifying everything, select "**Complete**" to finalize the instance creation.



In the **"Instances"** section you can see how the instance is being created:



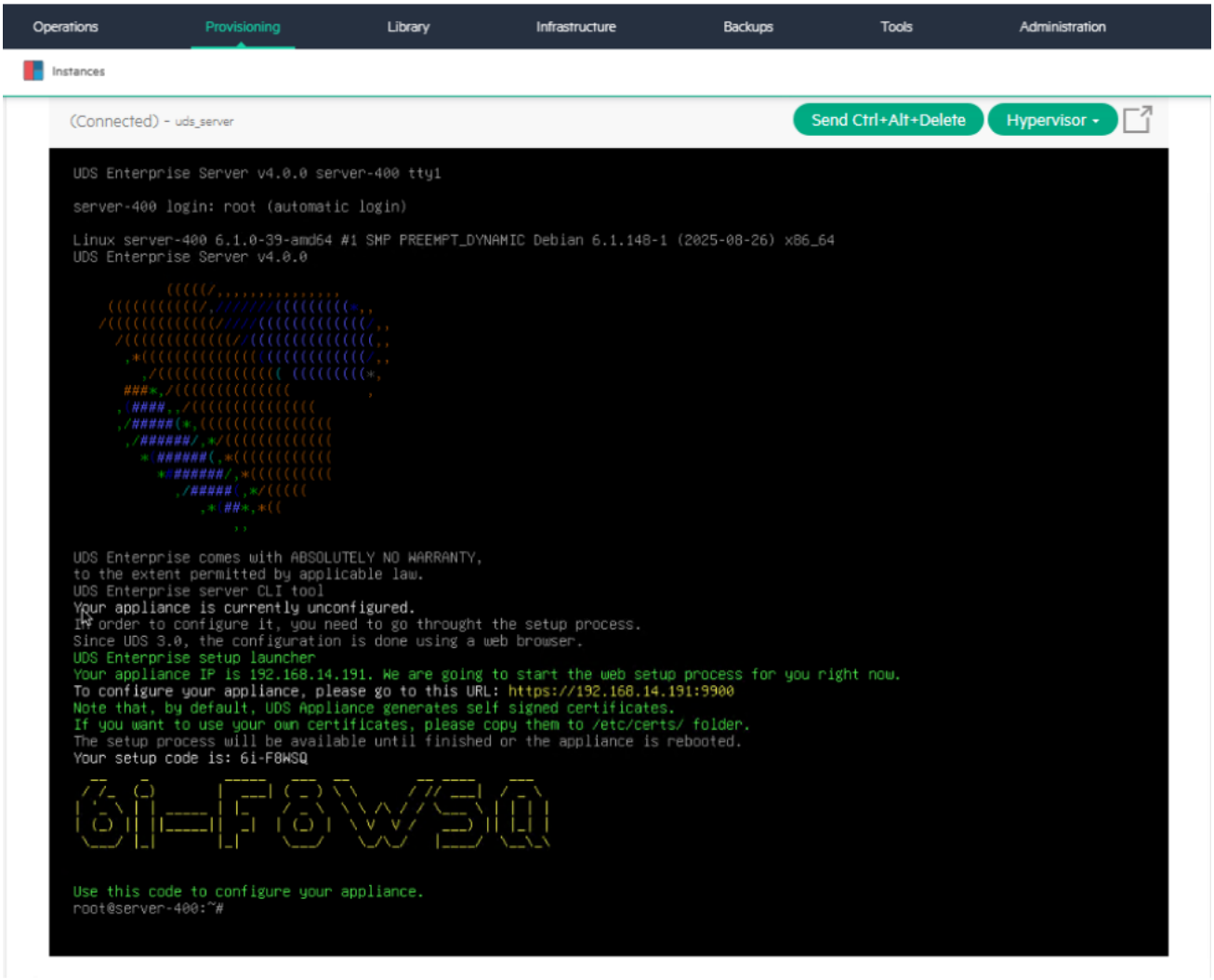
Once the instance is **“Active”** and **“Running”**, you will have the server ready to proceed with its configuration.



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).



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.**

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.