Oracle Cloud Deployment

This page contains instructions on how to deploy VoipNow with Hubgets in Oracle Cloud.

Get Help
If something is unclear or you need further assistance, do not hesitate to open a ticket in the **4PSA Support Zone** or ask a question in our monitored **GetSatisfaction community**.

Requirements

In order to be able to deploy Hubgets in Oracle Cloud, you need the following:

- Oracle cloud account with Compute Classic
- CentOS 7 Virtual Machine
- VoipNow Command Line Installer

Installation steps

Create a CentOS Private Image

In order to deploy a CentOS image inside Oracle Cloud, first you need to create a private image. Here's how you do that:

1. **Log in** to Oracle Cloud portal.
2. Download the CentOS Oracle Cloud image from **here**.
3. Upload the image as private to your Oracle Cloud account, i.e. under the **Images** tab of the **Compute Classic** console. For detailed steps, check **this guide**.
4. Once you've uploaded the image, you must **register** it so that you can create a virtual machine.

Create a CentOS Virtual Machine

Sign in the **Compute Classic** console and take the following steps:

1. Open the **Instances** tab.
2. Click **Create instance**.
3. Then click the **Show All Images** link to gain access to the private image.
4. Click **Private Images** in the left panel.
5. Select your CentOS Image.
6. Then click **Shape** in the progress bar.

For production use, we recommend that you choose at least OC4.
Due to the low number of vCPU's, OC3 is suitable for testing purposes only or for a very low user count.

7. Click **Instance** in the progress bar and make sure you add a SSH key. Otherwise you won't be able to access the instance.
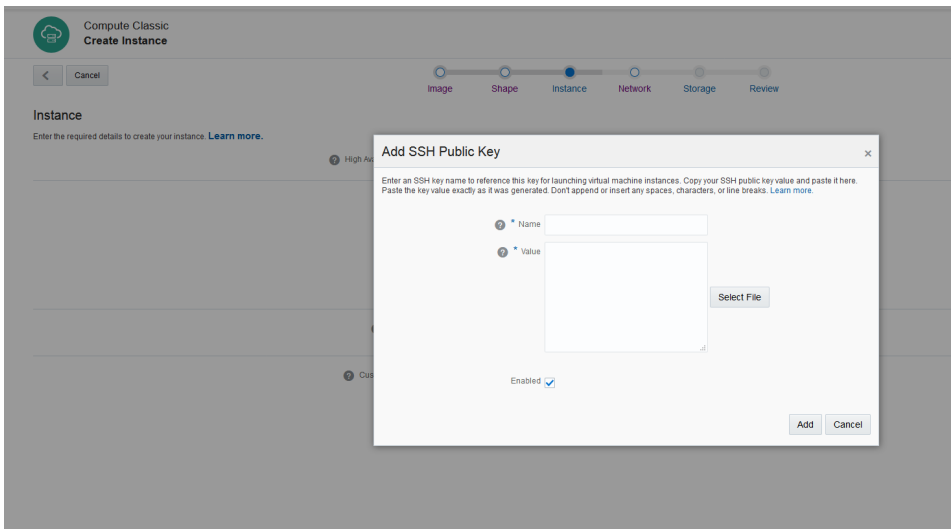
8. Then move on to **Network**. Here you can either leave the **Default security list** as is (i.e. enabled) or you can select **Create a new security list**.
9. Up next is the **Storage** step. This is when you need to update the size of the storage to at least 50GB.

   Unless you are planning to use S3 Compatible object storage, you need to set more space.
10. Click **Review** and, if everything looks OK, you can create the virtual machine.

Adjust security rules

By default, Oracle Cloud blocks all incoming traffic. For testing purposes, create a rule that allows all traffic following the instructions below. You can rely on the built-in firewall that will be created during the **Install Hubgets** step described below.

1. Go to the left panel and open the **Security Rules** tab.
2. Click **Create Security Rule** and do as explained below.
   - **Name**: Enter a name for the rule (for example, **allow_all**).
   - **Status**: Select **Enabled.**
   - **Security Application**: Select the **all** security application.
   - **Source**: From the **Security IP Lists** drop-down list, select **public-internet.**
   - **Destination**: Select **default** (**or the name of the security list applied to the virtual machine instance**).
   - **Description**: Enter a description for the rule (for example, **Allow All Traffic**)

Install Hubgets

Hubgets is build on top of VoipNow. In order to install Hubgets, take the following steps:

1. Connect to the virtual machine using Putty or SSH as a **centos** user and your SSH private key that matches the public SSH key assigned to the virtual machine.
2. Get `root` prvilleges using the following command:

   sudo su -

3. Follow the **Command Line Installer** instructions.

Access the web interface

You can access the web interface at `https://<serverip>` using the following details:

```
Username: admin
Password: welcome
```
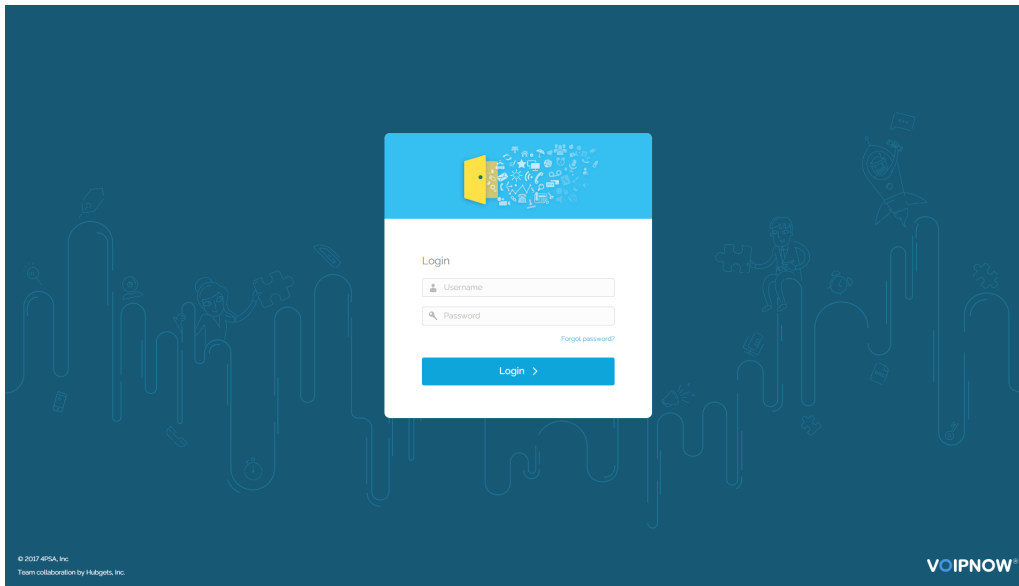
Enable Hubgets

In order to access Hubgets, first you need to set it up. To do so, follow the instructions in **this tutorial**.