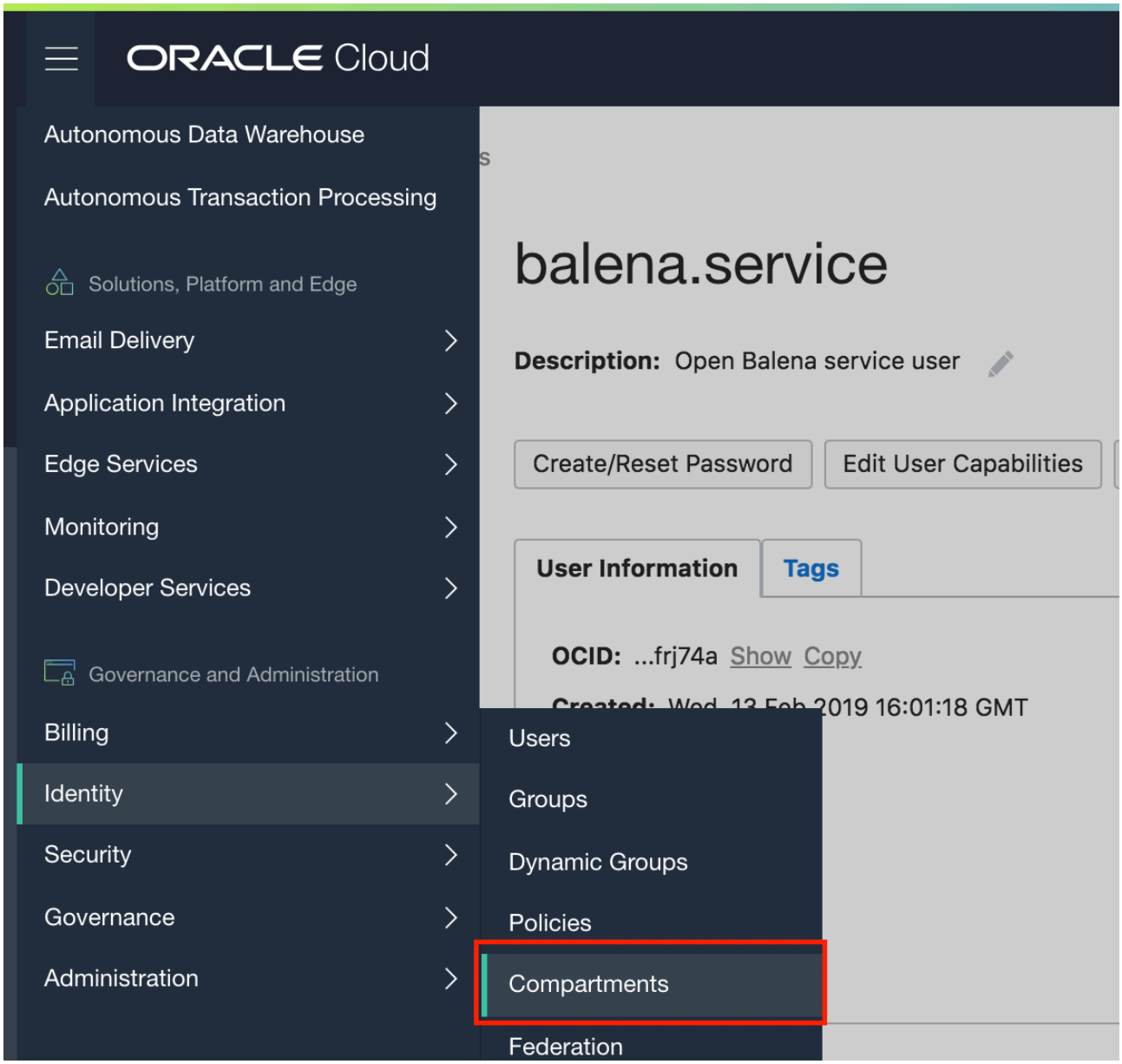
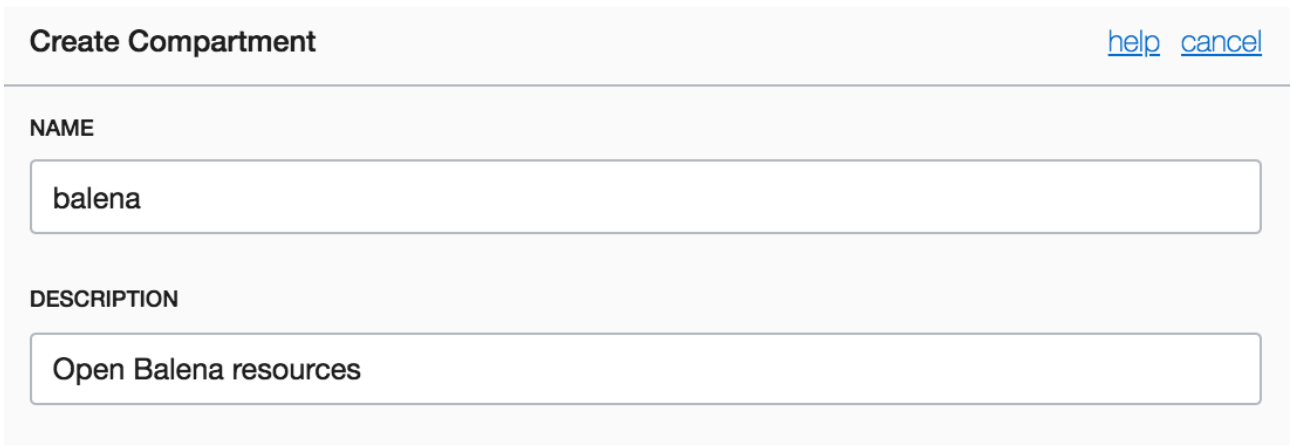
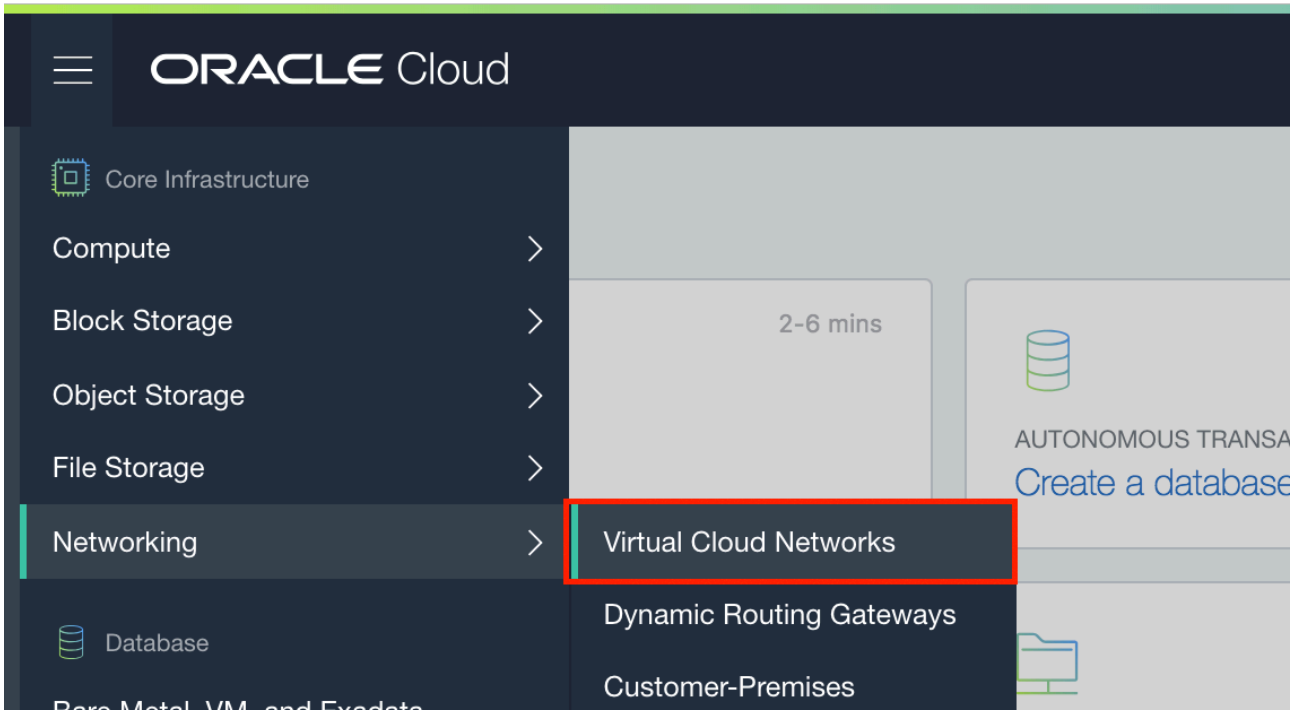


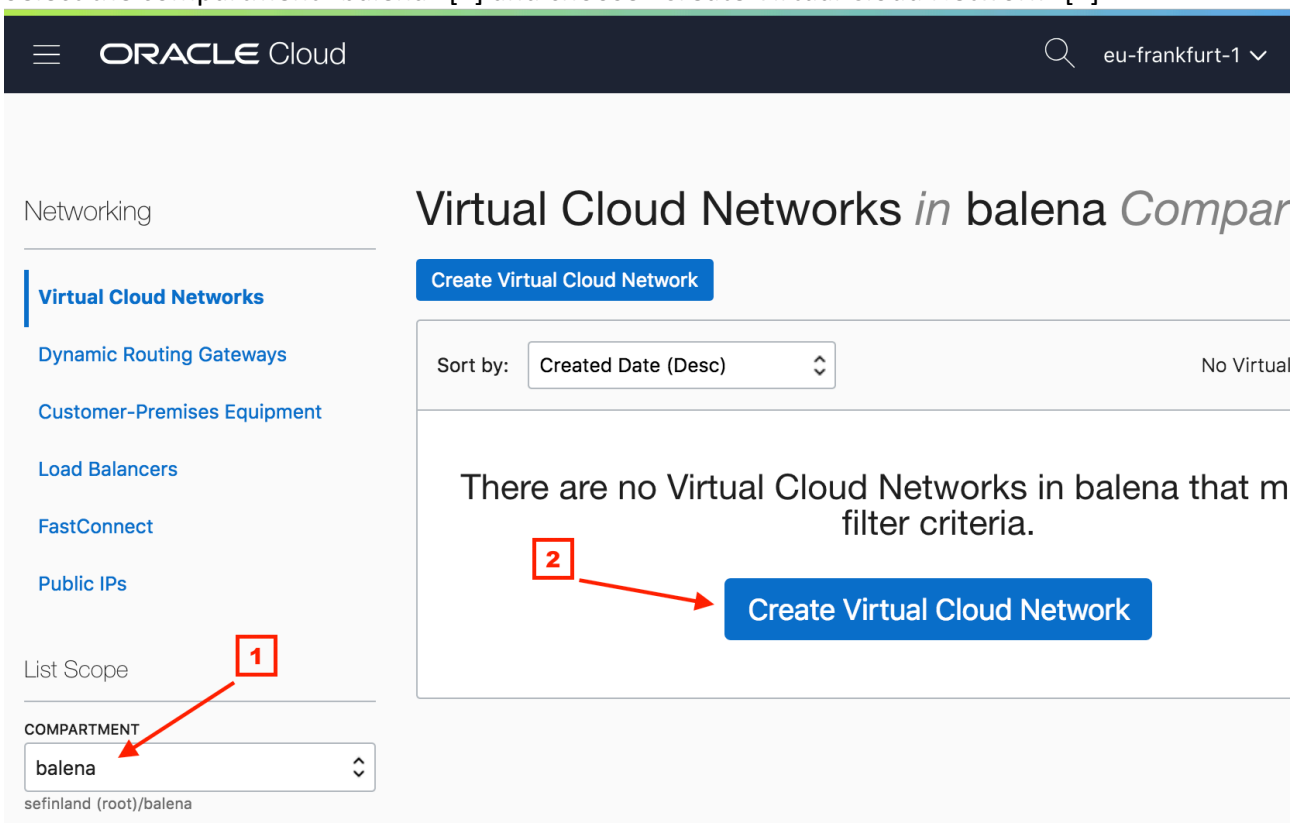
Choose “Create Compartment” and create compartment named **balena**. Leave the “root” compartment as is.



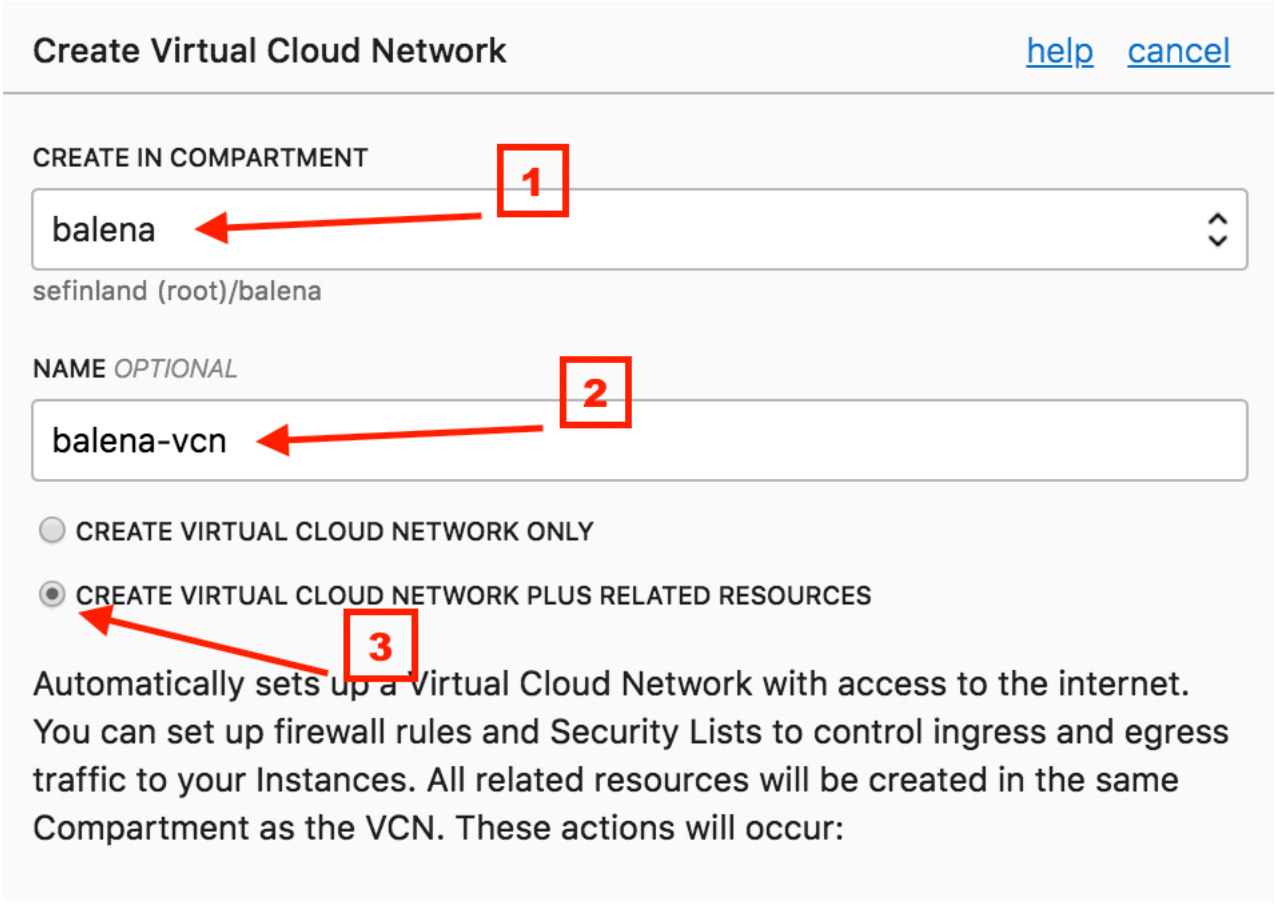
Next we will create a Virtual Cloud Network (VCN) for our Open Balena VM with all the necessary resources to be able to access it from the public internet. From the “burger” –menu choose “Networking” -> “Virtual Cloud Networks”



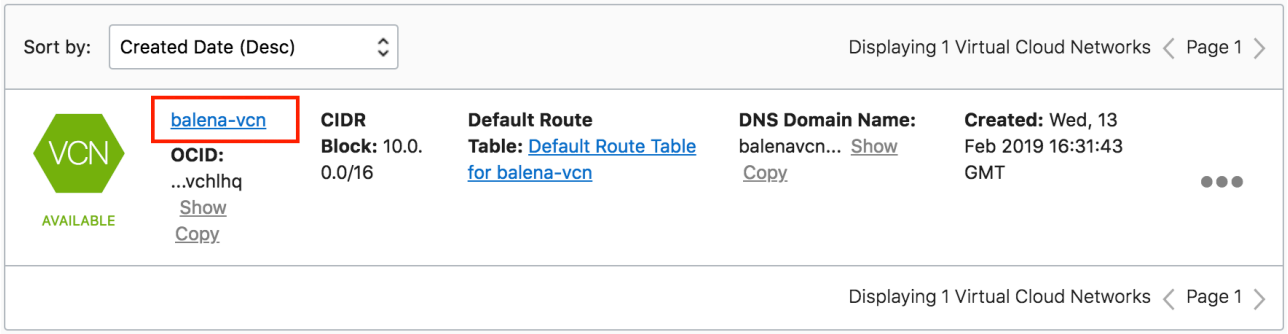
Select the compartment “balena” [1] and choose “Create Virtual Cloud Network” [2]



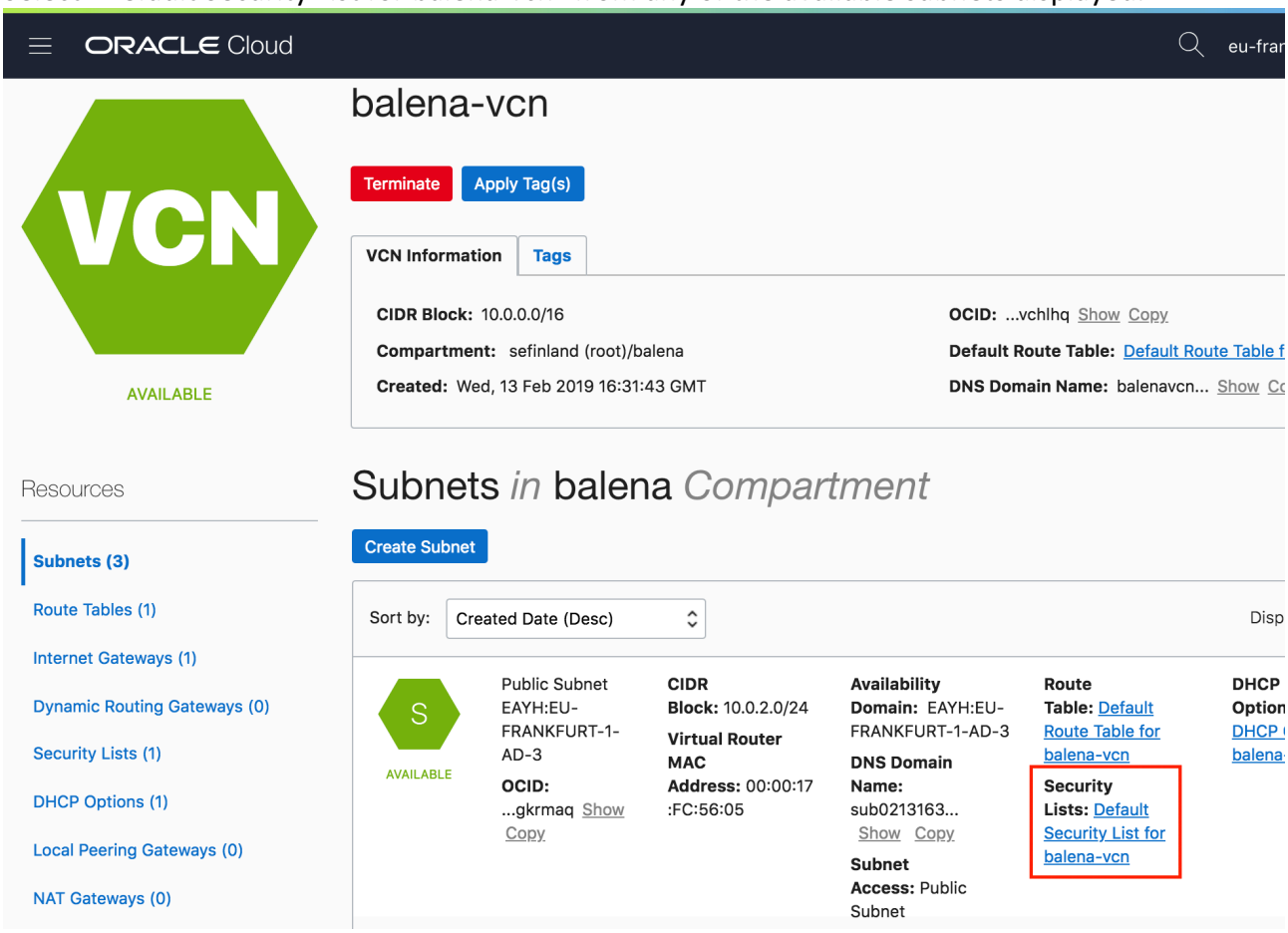
Create in compartment “balena” [1], name it balena-vcn [2] and select the option “Create virtual cloud network and related resources” [3]. Click on “Create Virtual Network” at the bottom of the dialog. These settings automatically set up the network with necessary routing and firewall rules.



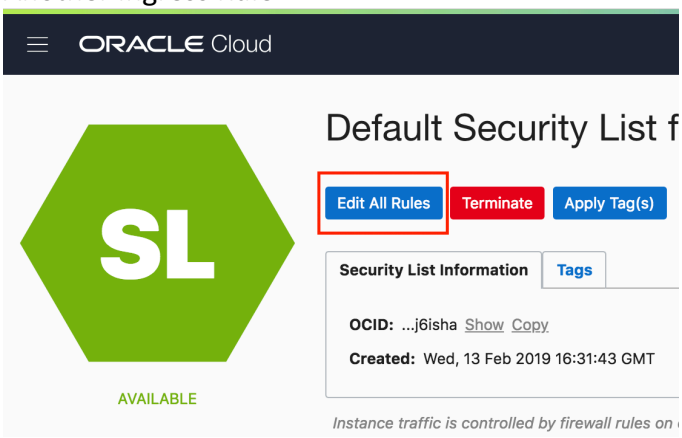
We have to add one additional firewall rule allow access to HTTPS port 443 to our Open Balena server. Click on the VCN we just created in the compartment “balena”

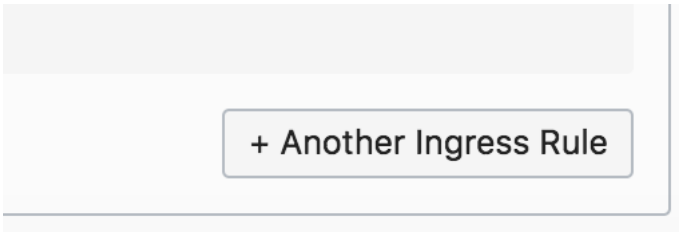


Select “Default Security List for balena-vcn” from any of the available subnets displayed.

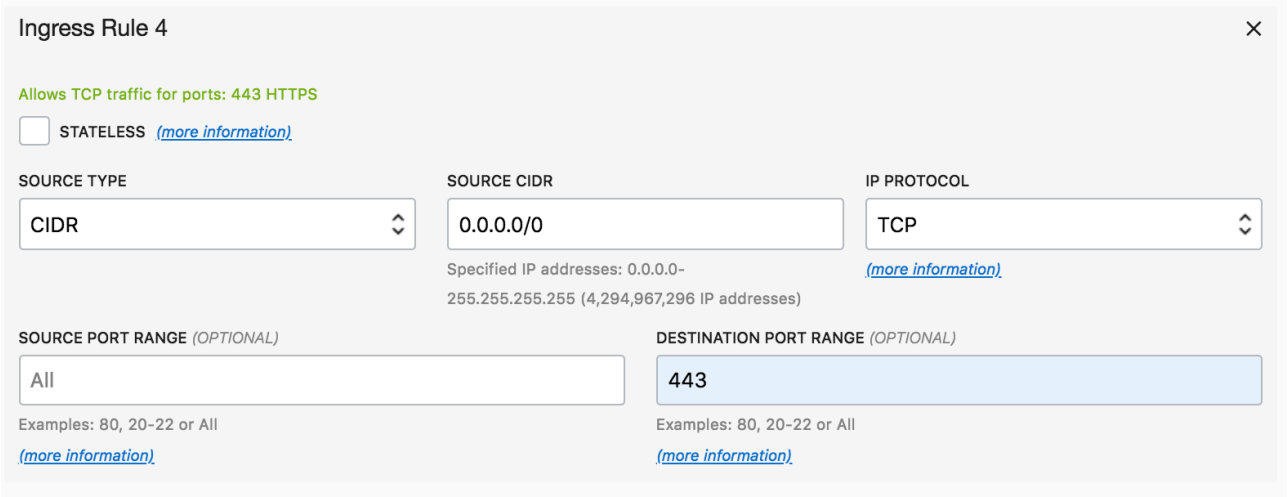


Select “Edit All Rules” and on the following screen under “Allow Rules for Ingress” pane select “+ Another Ingress Rule”



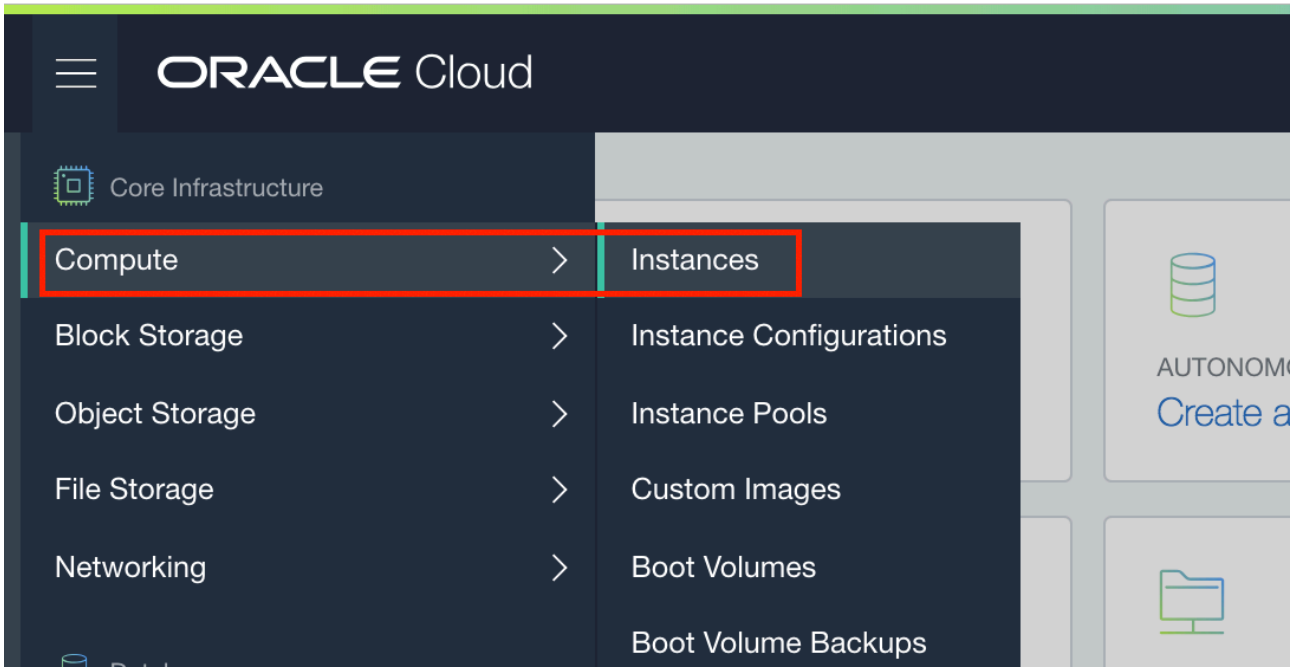


Create an ingress rule with the following options and click on “Save Security List Rules” at the bottom of the dialog

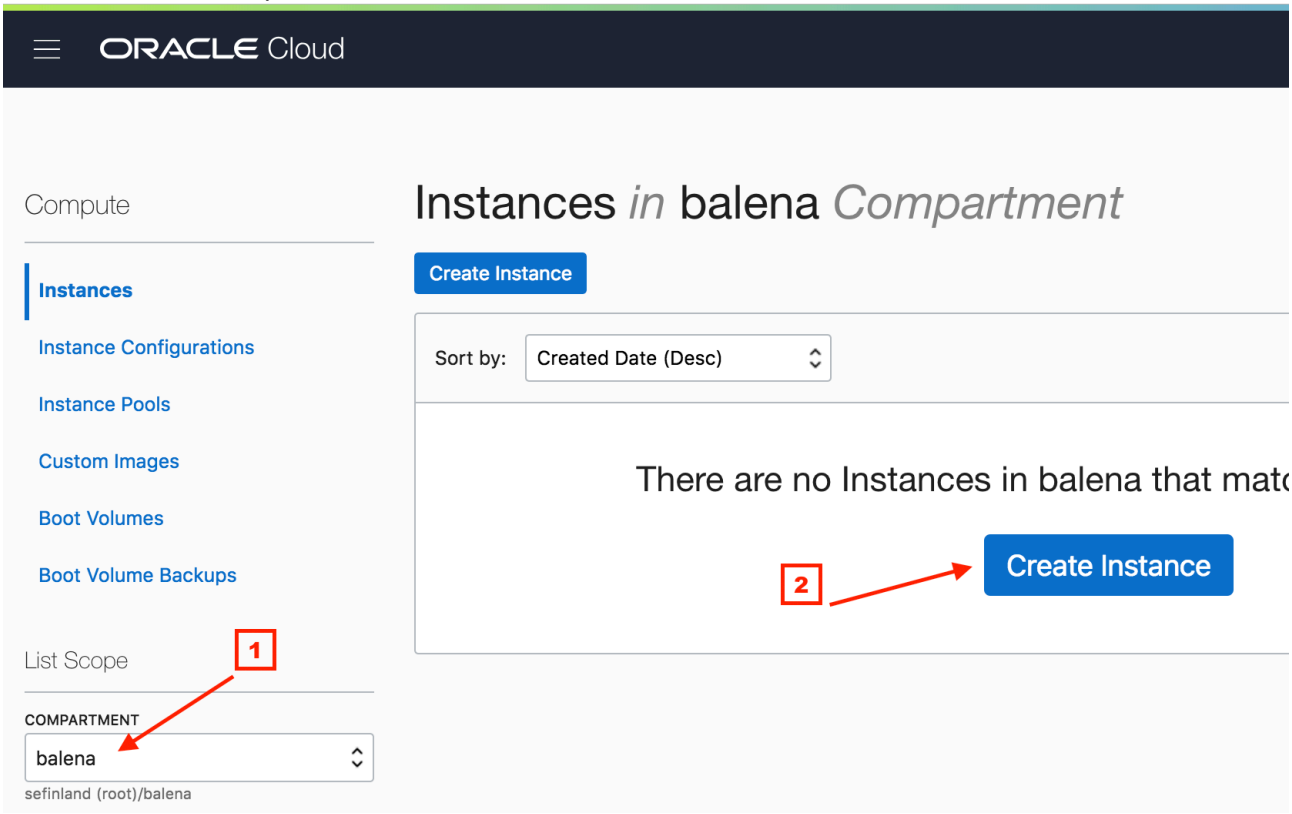


Create ingress rules also for ports 80, 3000 and 8080

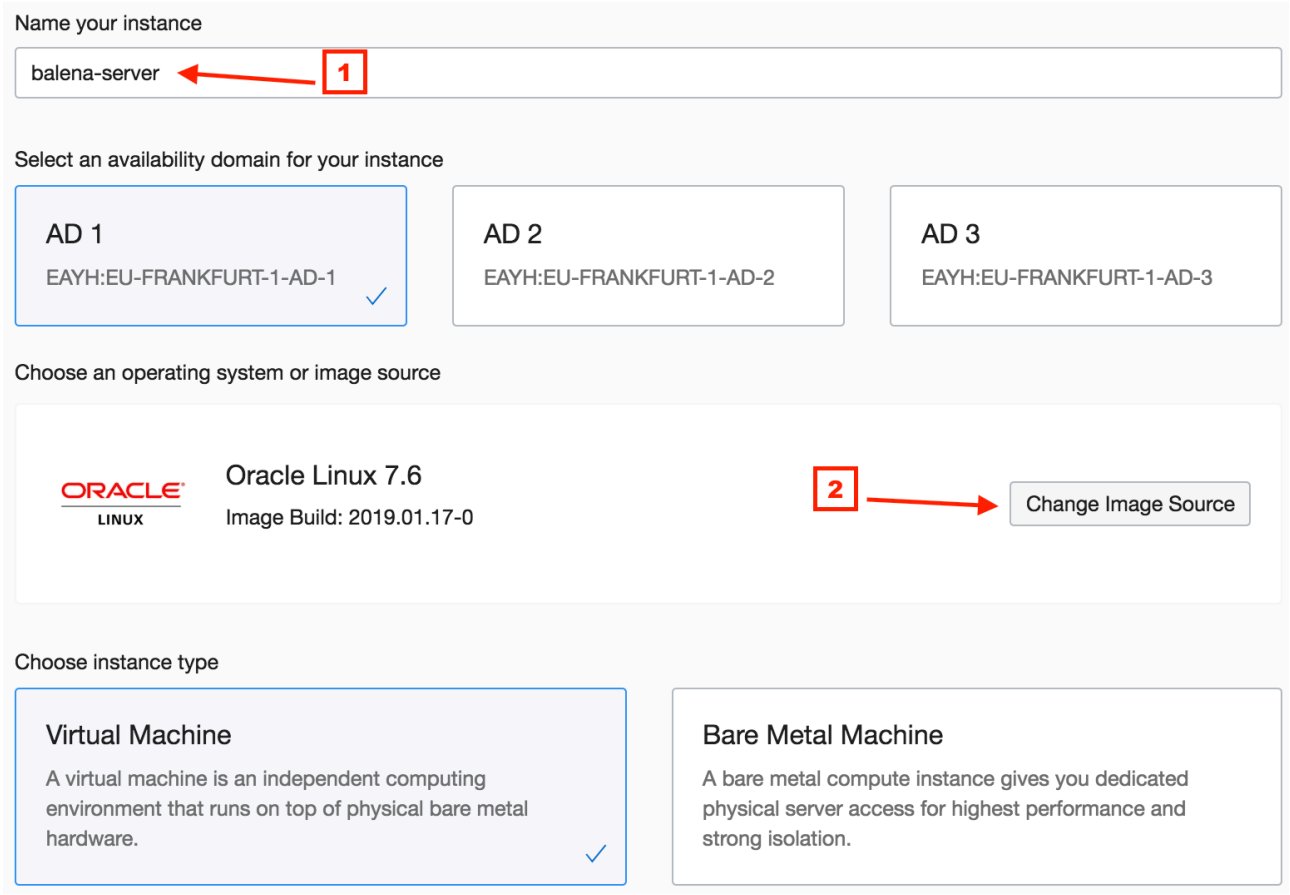
Next we proceed with creating a Virtual Machine instance to run our Open Balena server. From “burger” –menu select “Compute” -> “Instances”



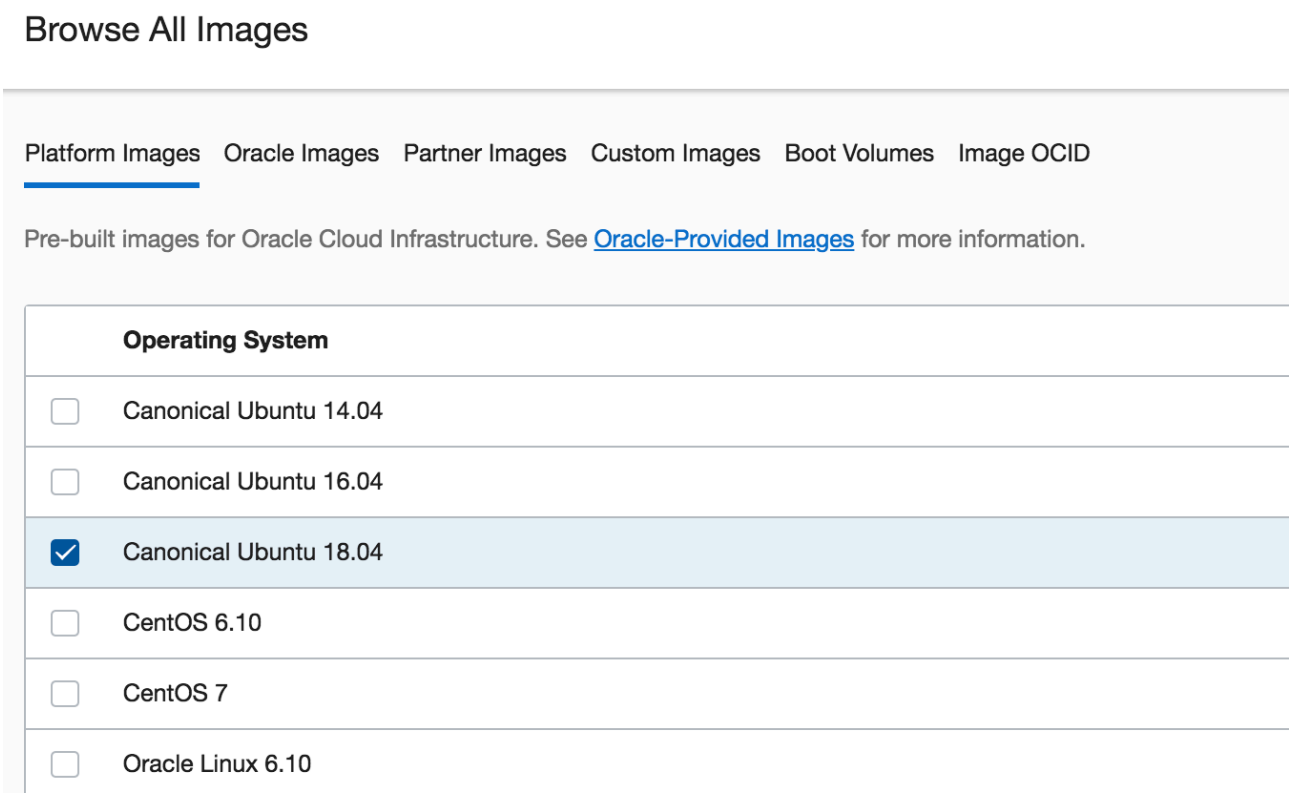
In the “balena” compartment [1] select “Create Instance” [2]



Name your instance **balena-server** [1] and click on “Change Image Source” [2]



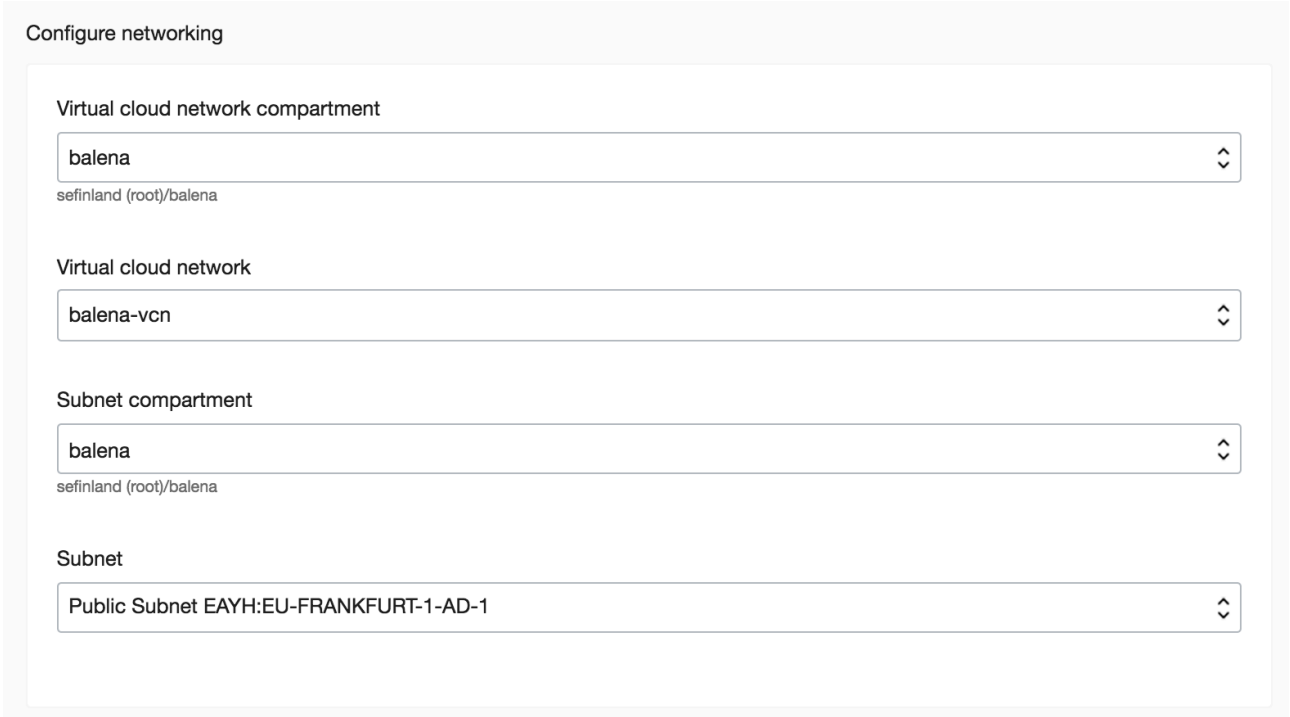
Select “Canonical Ubuntu 18.04” as the image and click on “Select Image”



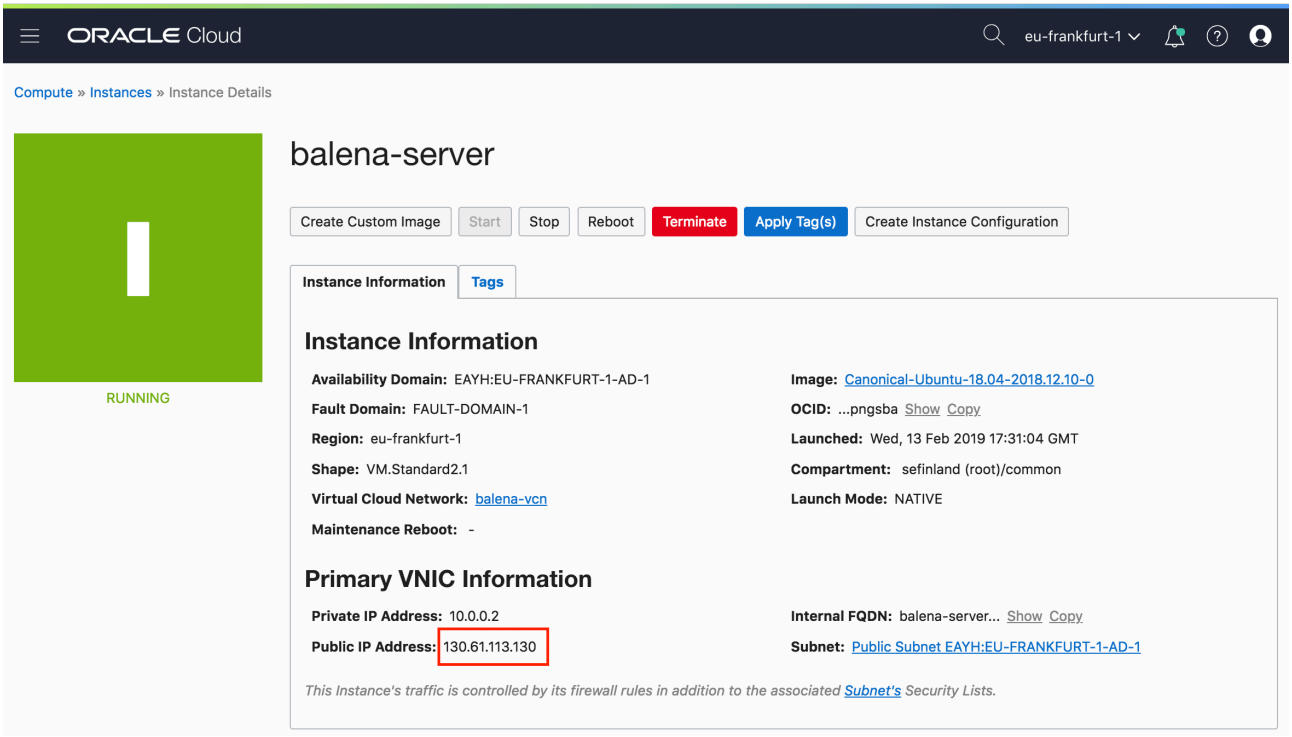
You also need to add your SSH –key to be able to access the VM. More on SSH –keys in the following resource:

TODO

Select the following options for “Configure networking”



Click on “Create” to finish the VM set up.
Once we have our instance of Open Balena server running, we can note down the public IP address and connect to the virtual machine with SSH.



For connecting use user Ubuntu

Open your ssh client or connect via command line

For example:
```
ssh ubuntu@130.61.113.130
```

Update initial software:
```
sudo apt-get update && apt-get install -y build-essential git
```

Install Docker:
```
sudo apt-get install docker.io
```

Add your current user to docker group:
`sudo groupadd docker` (the group should already exist)
```
sudo usermod -aG docker $USER
```

Update firewall rules to allow access:

```
sudo ufw allow 80/tcp
sudo ufw allow 443/tcp
sudo ufw allow 3000/tcp
sudo ufw allow 8080/tcp
```