OSM-MR#9 Hackfest
Preparing our OSM environment
Gianpietro Lavado (Whitestack)
We will use shared OSM Instance

We will use a shared OSM instance, leveraging the OSM RBAC capabilities.

OSM MANO

172.21.248.12 /35

mgmt VM 172.21.248.4

user/pass: osm_hackfest_X

172.21.247.1

user/pass: osm_hackfest_X

172.21.248.18
Accessing your OSM tenant

There are two ways to access OSM:

• Dashboard

  http://172.21.248.35
  (user / pass: osm_hackfest_x)

• CLI, vía SSH to the mgmt VM

  ssh osm_hackfest_x@172.21.248.4
  (user / pass: osm_hackfest_x)
Accessing your OpenStack tenant

There are two ways to interact with OpenStack:

- Dashboard

  http://172.21.247.1
  (user / pass: osm_hackfest_x)

- CLI, via SSH to the mgmt VM

  ssh osm_hackfest_x@172.21.248.4
  (user / pass: osm_hackfest_x)

# just try a command!
openstack image list
Accessing your K8 Cluster

There are two ways to interact with K8:

- CLI, via SSH to the mgmt VM

  ```
  ssh osm_hackfest_x@172.21.248.4
  (user / pass: osm_hackfest_x)
  
  # try a command using the credentials at your home dir
  kubectl --kubeconfig ~/kube.yaml get pods -A
  ```
Let’s integrate a session to the VIM in OSM

Adding the VIM at OSM VM

• We will add the VIM via CLI, using the osm vim-create command.

```bash
osm vim-create --name etsi-openstack-x --user osm_hackfest_x --password osm_hackfest_x --auth_url http://172.21.247.1:5000/v3 --tenant osm_hackfest_x --account_type openstack --config '{management_network_name: osm-ext, dataplane_physical_net: physnet2, microversion: 2.32}'
```

• Please note that we are using some of additional configurations:
  • **management_network_name**: to define a default management network name, relevant for the Placement tests.
  • **dataplane_physical_net**: name of the network for SR-IOV tests
  • **microversion**: nova api microversion, relevant for SR-IOV tests
Check that your VIM is UP!

OSM collects the “vim_status” metric.

• Access http://172.21.248.xx:3000/dashboards
  (admin / admin, please press “skip” to keep the default credentials)

• Search for your project’s dashboard: OSM Project Status - osm_hackfest_x

• Your VIM will show UP or DOWN