OSM-MR#10 Hackfest
Preparing our OSM environment
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We will use shared OSM Instances

Two shared OSM instances, leveraging the OSM RBAC capabilities.
We will use shared OSM Instances

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

● We are using a Google Spreadsheet to track all resources

https://docs.google.com/spreadsheets/d/1JnY2owpn8TRHqfuGYbkRgsS6Wk2NkwVKi2GSse_fmjE/edit#gid=966863

● Please pick a row, add
  ○ Your name and email
  ○ Confirm you have VPN access
Accessing your OSM tenant

There are two ways to access OSM:

- Dashboard
  - http://172.21.1.9 (osm_hackfest_1 .. 30)
  - http://172.21.1.10 (osm_hackfest_31 .. 60)

- CLI, via SSH to the mgmt VM
  - ssh osm_hackfest_x@172.21.1.3 (user / pass: osm_hackfest_x)
Accessing your OpenStack tenant

There are two ways to interact with OpenStack:

- Dashboard
  
  `http://172.21.18.18/project/instances`

  (user / pass: osm_hackfest_x
  Domain: admin_domain)

- CLI, via SSH to the mgmt VM
  
  `ssh osm_hackfest_x@172.21.1.3`

  (user / pass: osm_hackfest_x)

  `openstack image list`
Accessing your K8 Cluster

There are just one way to interact with K8:

- CLI, via SSH to the mgmt VM

  ssh osm_hackfest_x@172.21.1.3  
  (user / pass: osm_hackfest_x)

  kubectl get pods -A
What will OSM Orchestrate?

- **VIM: Virtual Infrastructure Manager**
  - For this hackfest, it will be Canonical OpenStack (Ussari)
  - [http://172.21.18.18](http://172.21.18.18)

- **K8s: Kubernetes Cluster**
  - For this hackfest, it is WhiteMist (K8s v1.18)
  - [https://172.21.248.18:6443](https://172.21.248.18:6443)

These have been added to your OSM Instances

```bash
osm vim-list
osm k8scluster-list
```
Download Descriptors

- All source code for descriptors is in ETSI OSM GitLab
- Clone code using git command

```
~/Hackfest/HD1.2-Preparation/git-clone.sh
```
The Week Ahead

Cloud Environment

- OSM
- OpenStack
- K8s
- Wiki
- Virtual Desktop
- Private Network
- Performance Monitor
- Web Cache
- LDAP

Firewall

Employee

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Your Firewall is Ready

Feel free to log in and take a look around

ssh osm@172.21.19.$HFID

osm_instructor_5@osm-jumphost:~$ ssh osm@172.21.19.95
Welcome to VyOS
osm@172.21.19.95's password:
Linux vyos 3.13.11-1-amd64-vyos #1 SMP Wed Aug 12 02:08:05 UTC 2015 x86_64
Welcome to VyOS.
This system is open-source software. The exact distribution terms for each module comprising the full system are described in the individual files in /usr/share/doc/*/copyright.
Last login: Tue Mar  2 19:22:02 2021 from 172.21.18.2
osm@vyos-firewall:~$