

Open Source  
**MANO**

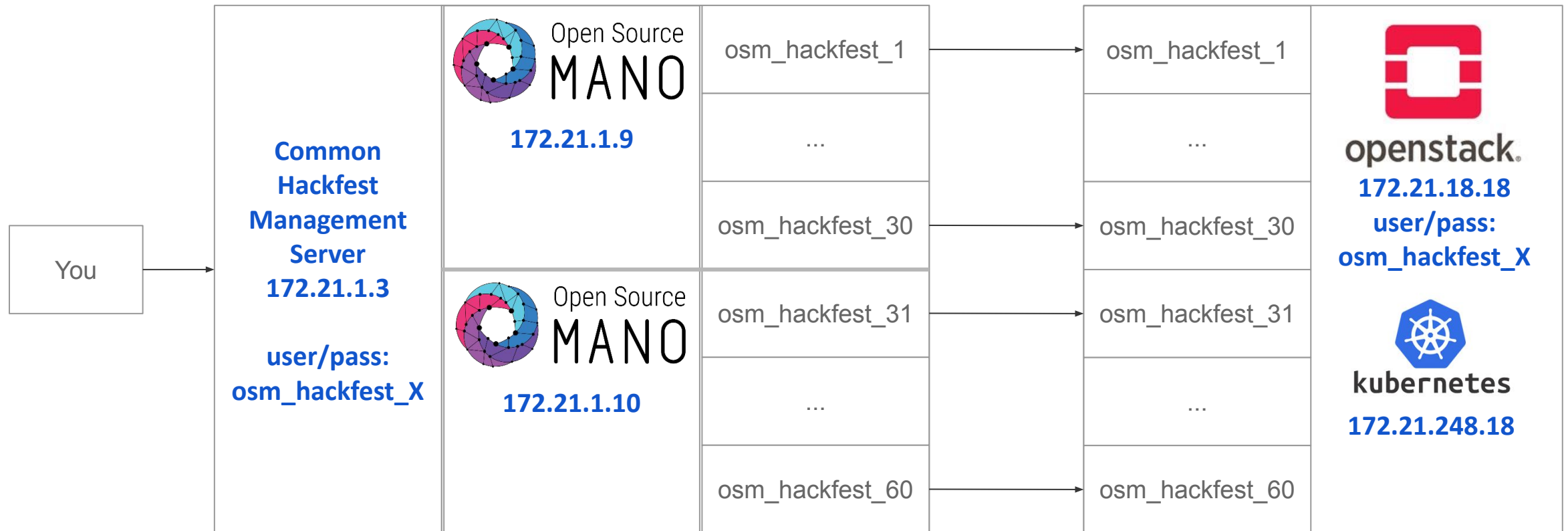
# OSM-MR#10 Hackfest

## Preparing our OSM environment

Mark Beierl (Canonical)

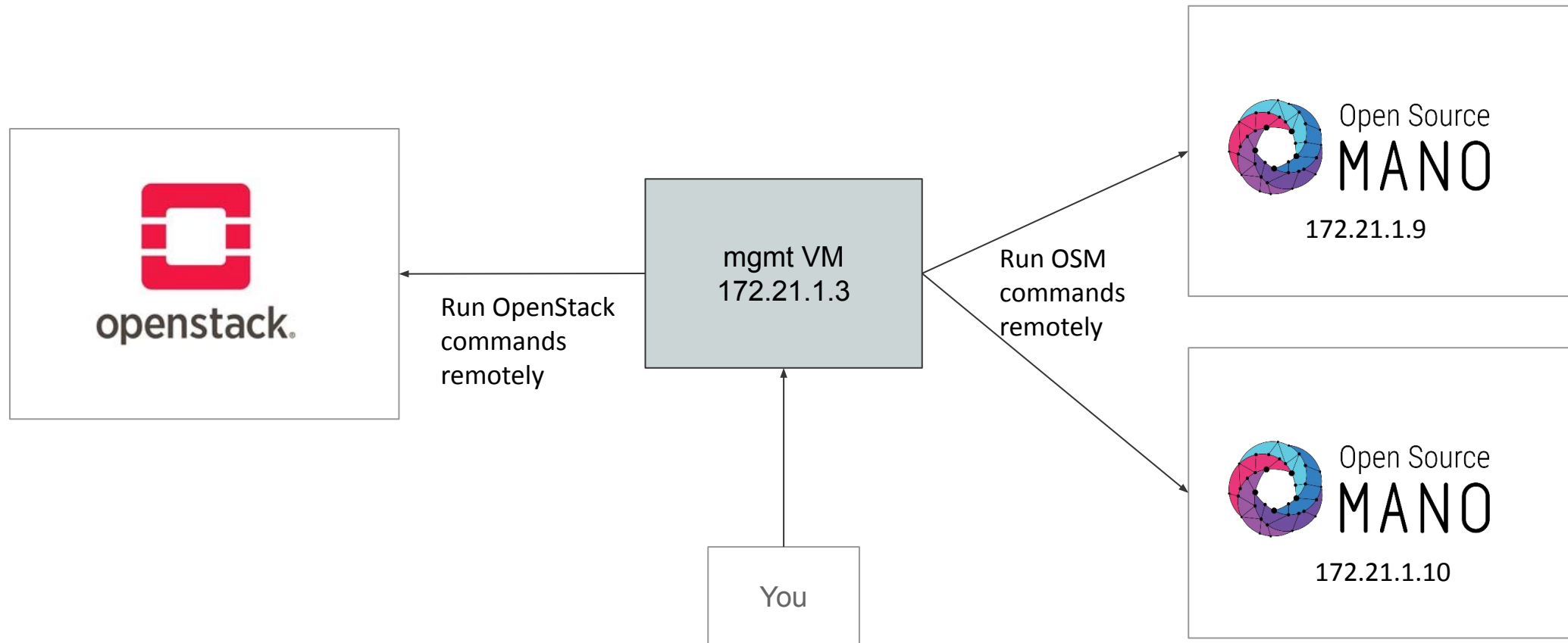
# We will use shared OSM Instances

Two shared OSM instances, leveraging the OSM RBAC capabilities.



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# Sign up Sheet

- We are using a Google Spreadsheet to track all resources

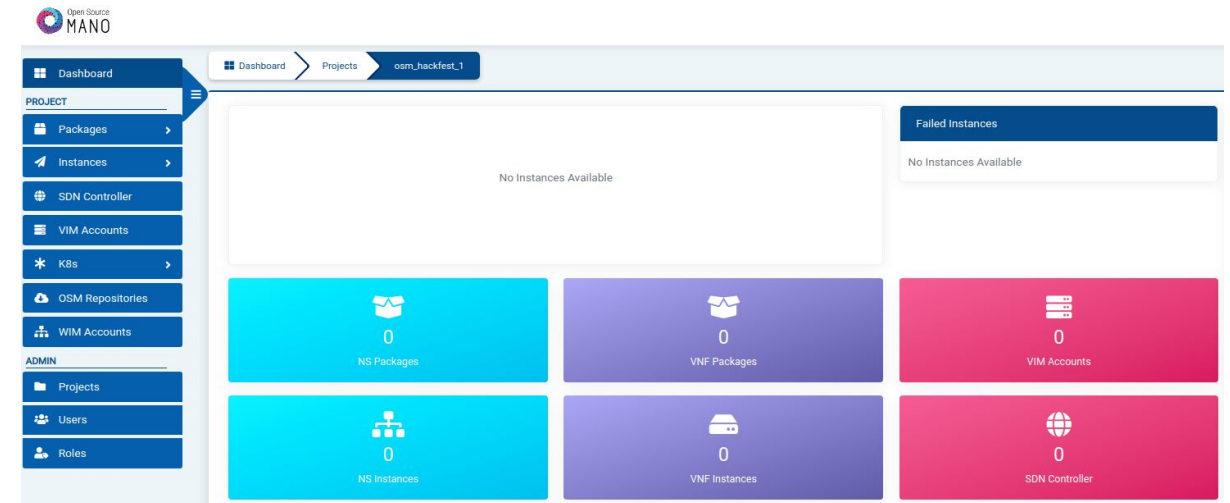
[https://docs.google.com/spreadsheets/d/1JnY2owpn8TRHqfuGYbkRgsS6Wk2NkwVKi2GSse\\_fmjE/edit#gid=966863](https://docs.google.com/spreadsheets/d/1JnY2owpn8TRHqfuGYbkRgsS6Wk2NkwVKi2GSse_fmjE/edit#gid=966863)

- 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](ssh://osm_hackfest_x@172.21.1.3)  
(user / pass: osm\_hackfest\_x)



```
$ssh osm_hackfest_1@172.21.1.3
Warning: Permanently added '172.21.1.3' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-129-generic x86_64)

Last login: Fri Feb 26 20:11:34 2021 from 10.101.24.2
osm_hackfest_1@osm-jumphost:~$ _
```

# Accessing your OpenStack tenant

There are two ways to interact with OpenStack:

- Dashboard  
<http://172.21.18.18/project/instance>

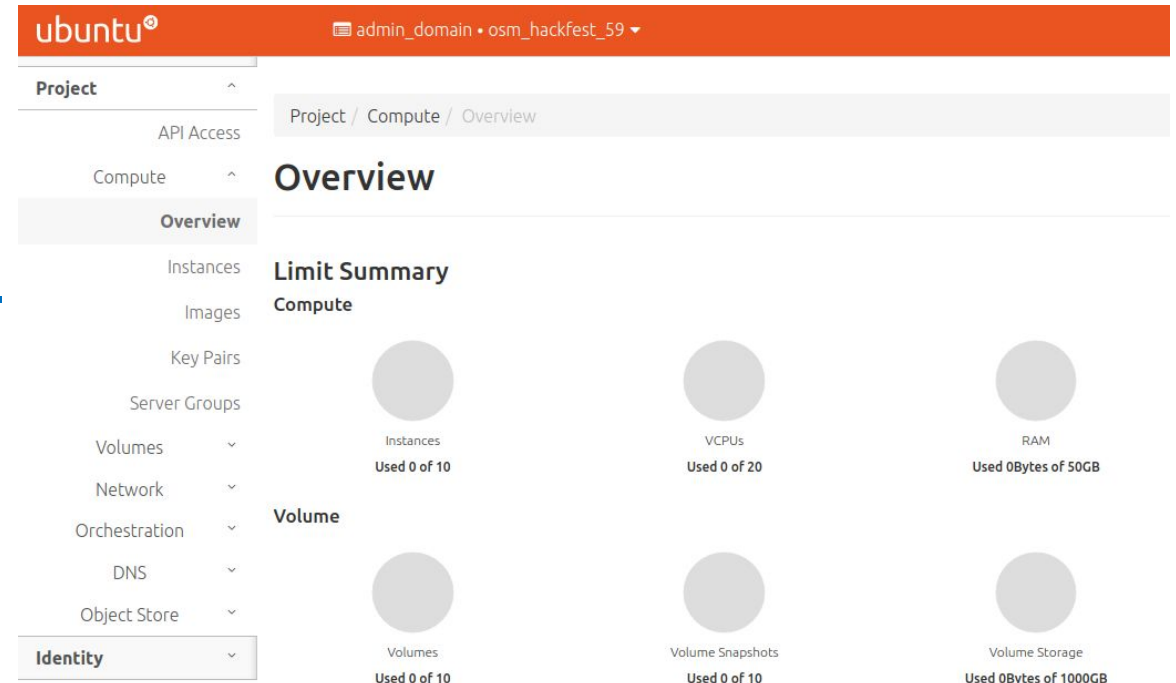
S

(user / pass: osm\_hackfest\_x  
Domain: admin\_domain)

- CLI, via SSH to the mgmt VM  
[ssh osm\\_hackfest\\_x@172.21.1.3](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>
- K8s: Kubernetes Cluster
  - For this hackfest, it is WhiteMist (K8s v1.18)
  - <https://172.21.248.18:6443>

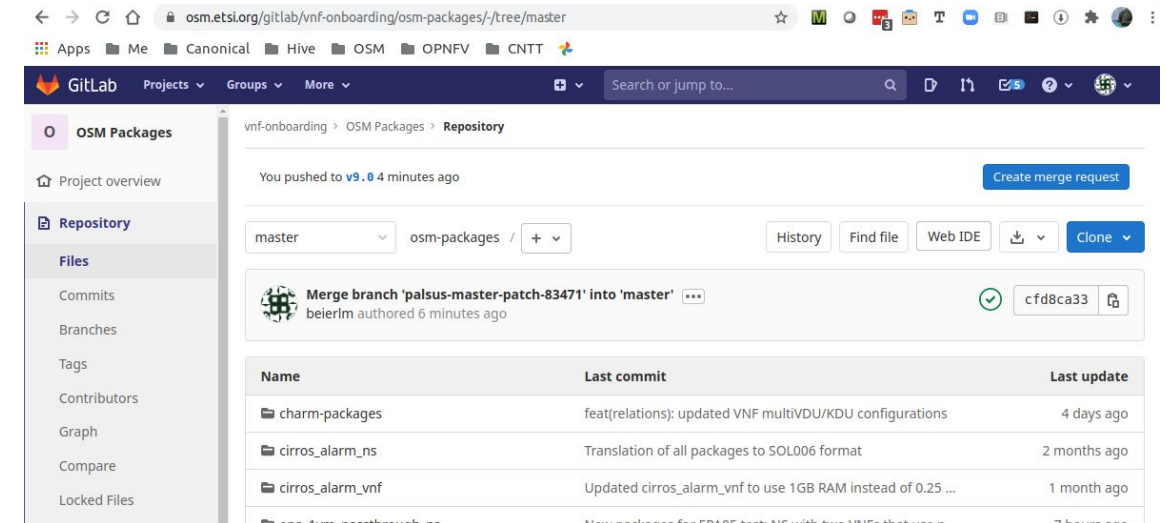
These have been added to your OSM Instances

```
osm vim-list  
osm k8scluster-list
```



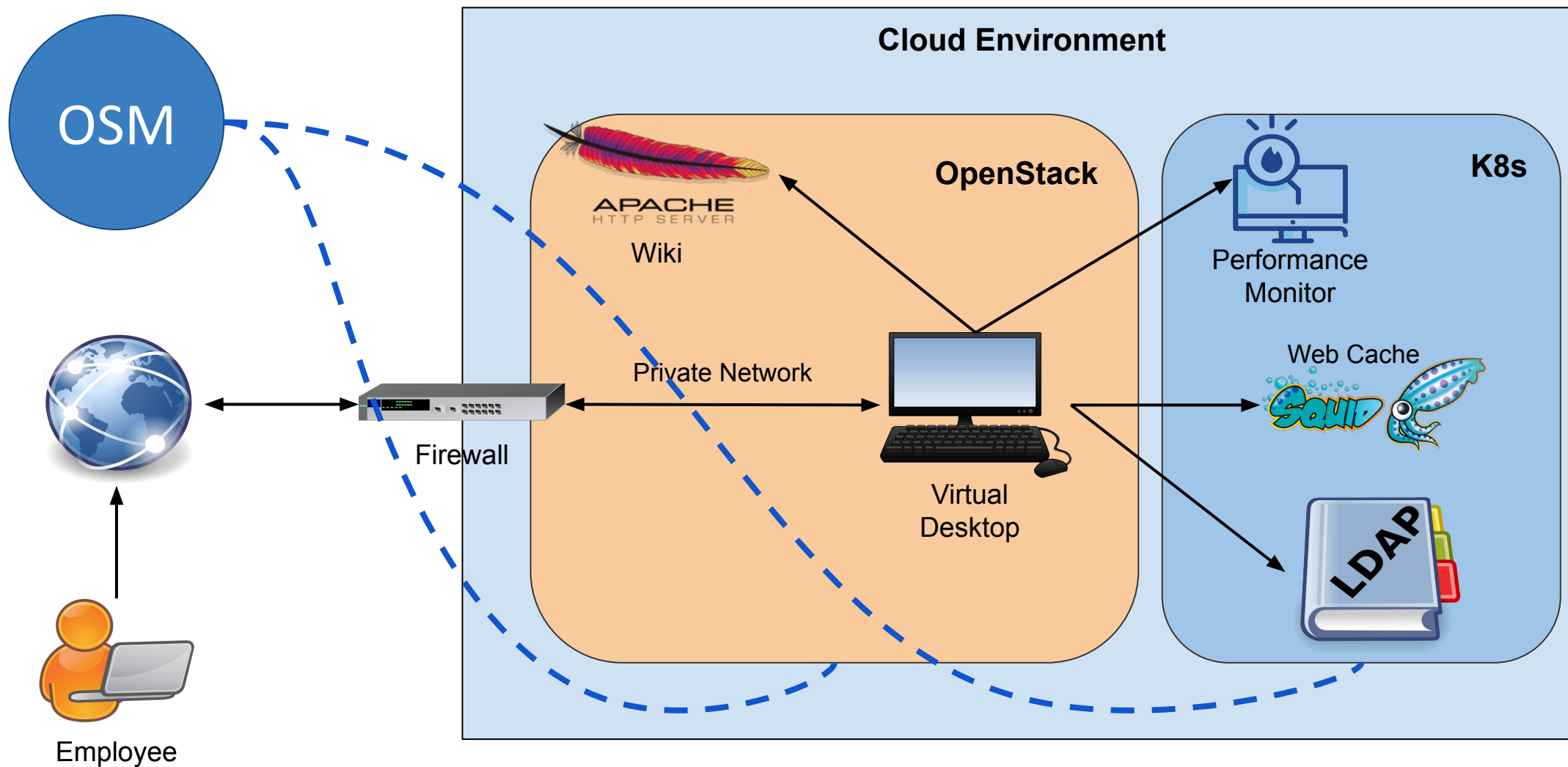
# Download Descriptors

- 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

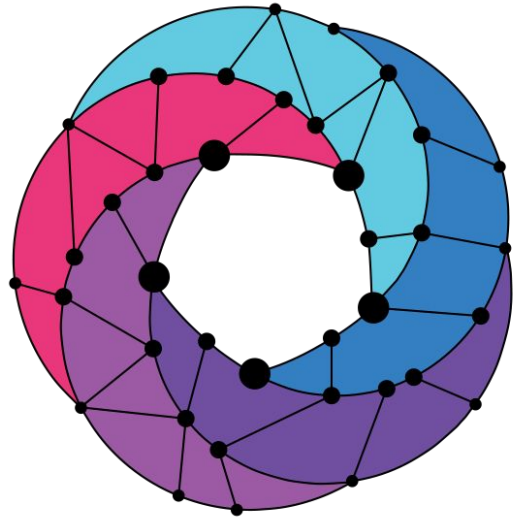


# Your Firewall is Ready

Feel free to log in and take a look around

```
ssh osm@172.21.19.95
```

```
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:~$
```



# Open Source MANO

Find us at:

[osm.etsi.org](https://osm.etsi.org)  
[osm.etsi.org/wikipub](https://osm.etsi.org/wikipub)