

Open Source  
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# Hackfest environment

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OSM#15

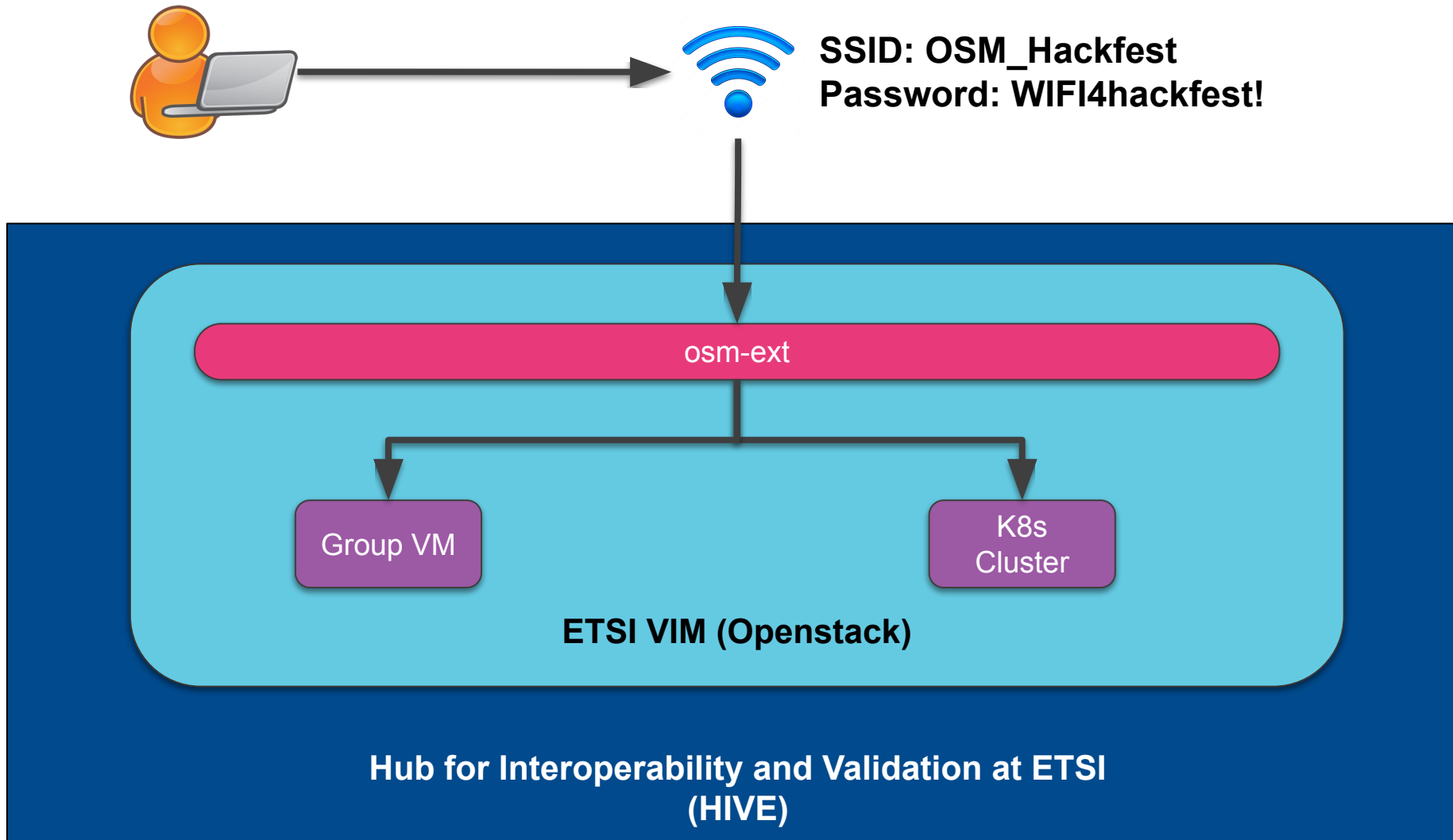
12/06/2023

# Hackfest resources

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- Wiki: [https://osm.etsi.org/wikipub/index.php?title=OSM15\\_Hackfest](https://osm.etsi.org/wikipub/index.php?title=OSM15_Hackfest)
- Slack:  
[https://join.slack.com/t/opensourcemano/shared\\_invite/zt-1688p662q-2ZUJghK\\_XeCJsoZ\\_WLh\\_KPA](https://join.slack.com/t/opensourcemano/shared_invite/zt-1688p662q-2ZUJghK_XeCJsoZ_WLh_KPA)
  - Slack channel: #hackfests
- Teamup (agenda): <https://teamup.com/ks3m6q6qpr9sy5kxom>
- Presentations: [https://osm-download.etsi.org/ftp/Hackfests/OSM15\\_Hackfest/](https://osm-download.etsi.org/ftp/Hackfests/OSM15_Hackfest/)
- Google Classroom: <https://classroom.google.com/c/NjEzNDQ3MjMzMzNTUw?cjc=h6aw3xg>
- Google Spreadsheet (resource details):  
<https://docs.google.com/spreadsheets/d/1CQztNhSra9brAlbuanD8pVE0tPOTGLAb1D9RTatArhU/edit#gid=966863>

# Hackfest environment



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- Different OSM instances and OpenStack tenants will be assigned to groups

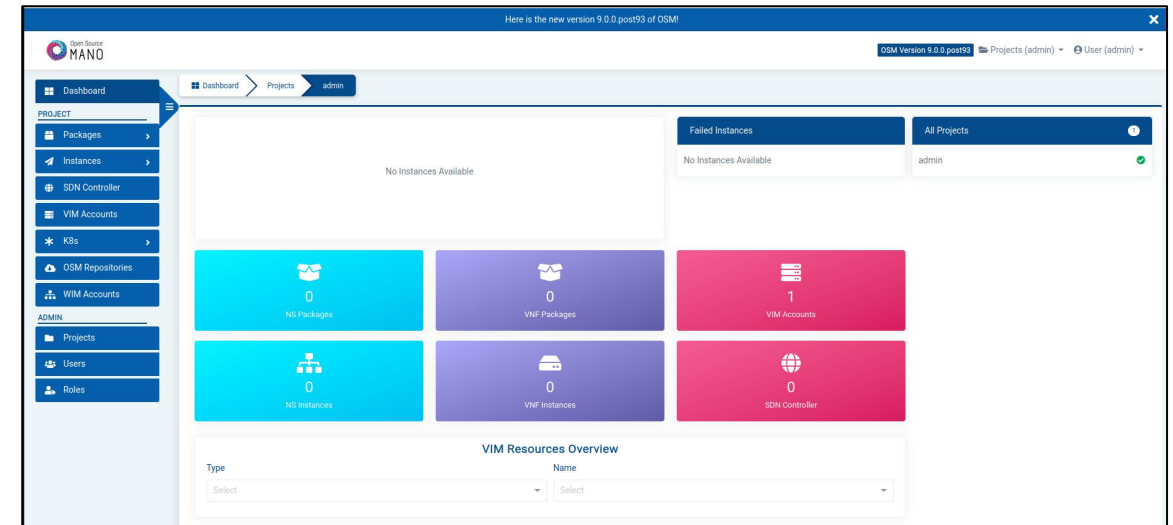
Check the Google spreadsheet for resource details:

<https://docs.google.com/spreadsheets/d/1CQztNhSra9brAlbuanD8pVE0tPOTGLAb1D9RTatArhU/edit?usp=drive>

# Accessing your OSM instance

## Ways to interact with OSM:

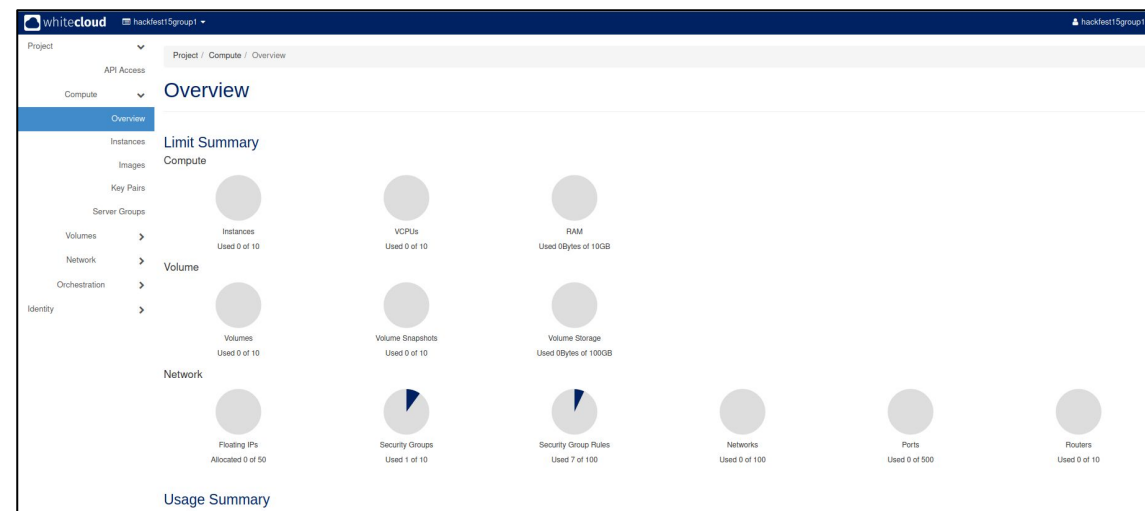
- **Dashboard**
  - see OSM Web UI address in the spreadsheet
  - username: admin
  - password: admin
- **CLI, via SSH to the OSM VM**
  - see IP address in the spreadsheet
  - username: ubuntu
  - password: hackfest
  - try some commands: `osm vim-list`, `osm k8scluster-list`
- **CLI, with local osmclient**
  - run osm commands with `--hostname` option or set environment variable `OSM_HOSTNAME`



# Accessing your OpenStack tenant

## Ways to interact with OpenStack:

- Dashboard
  - <http://172.21.247.1>
  - username: hackfest15groupX
  - password: hackfest15group-X!  
→ X = group number
- CLI, using OpenStack client with RC file  
→ try a command: `openstack image list`



- Environment file:

```
export OS_AUTH_URL=http://172.21.247.1:5000/v3
export OS_PROJECT_NAME=hackfest15groupX
export OS_USER_DOMAIN_NAME='Default'
export OS_PROJECT_DOMAIN_ID='default'
export OS_USERNAME=hackfest15groupX
export OS_PASSWORD=hackfest15group-X!
export OS_REGION_NAME='RegionOne'
export OS_INTERFACE=public
export OS_IDENTITY_API_VERSION=3
```

→ X = group number

# Accessing the K8s Cluster

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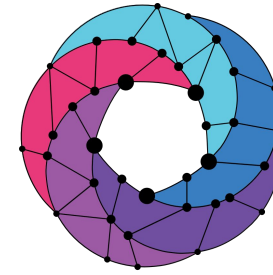
Ways to interact with K8s:

- CLI, via SSH to the K8s Cluster VM
  - 172.21.249.42
  - Username: ubuntu
  - Password: hackfest
  - try a command: `kubectl get pods -A`
- CLI, using kubectl with credentials
  - try a command: `kubectl --kubeconfig ~/kubeconfig.yaml get pods -A`



# Kubeconfig file

```
apiVersion: v1
clusters:
- cluster:
    certificate-authority-data:
LS0tLS1CRUdJTiBDRVJUSUZJQ0FURStLS0tCk1JSUREekNDQWZlZ0F3SUJBZ01VS2RSZUhQQVdUMzNxZFZCd3pMdktdGdGdXcUJNd0RRWUpLb1pJaHZjTkFRRUwKQ1FBd0Z6R
VZNQk1HQTFVRUF3d01NVEF1TVRVeUxqRTRNeTR4TUI0WERUSXpNRFl3TmFM01qWXhNVm9YRFRNegpNRFl3TXpFM01qWXhNVm93RnpFVklCTUdBMVVFQXd3TU1UQXVNVFV5TG
pFNE15NHhNSU1CSWpBTk1Jna3Foa2lHCj13MEJBUEUvGQUFPQ0FROEFNSU1CQ2dLQ0FRRUF5d09qUWdIUytTWXorQkhWamRKVEw2WX1vQzNWNDAXL1VmNDUKUHJqMVp2K0JWMLh
BR1I5Z3N1aXdyVkpSSj1lKWDErZF1NS21yRzdvtNf1RW1RSGczdXNQbnpcU1QxK0dhZnM0NQpyOVNjeURhT28yMWQ3dXRCSHV1VXI5K2gyZnZNRy91My9MVWk0WXD3dFhxZVFs
Mz1PVWFxcUpYUEZ3Sk5MaFdYClhkUERmNFpGbGxISUFkL3FlaWtZQUFydj1xTGh4OGxOK11wdE96Wm5zaGdTeE00WXVNCmxuWDJKZjhwa0g5MDkKK29ISlR5cnhUQXFOZno3Z
GVaelZlWctkcncZkNGowNXZZSkQreXhZQnRrSjhjOGpCWVZtZGkxQ3V3NUpwOVI4dgp5Q1ZKSUQ1K2xoMGhSOUZiU1UrNGFl1ZXBrc9ZTEFlaUhCSnlEQWl1xOUNBQ1RoSkxsd0
lEQVFBQm8xTXdVVEFkCk1JnTlZiUTFRmdRVXVMeERSMDFTU0szWnNYTWxvMzJUNHRrdTFqQXdId11EVl1IwakJCZ3dGb0FVdUx4RFIwMM0KU0szWnNYTWxvMzJUNHRrdTFqQXd
Ed11EVl1IwVEFRSC9CQVV3QXdFQi96QU5CZ2t2aGtpRz13MEJBUEUvGQUFPQwBUUvBZHo1L11VUXY0dXBUEfdwZ31vSlVTc2dramdTavY1ejd1V1dFalJrNWhBQS9wYwZMRG9H
Q1J3SlpUSzBFCndCTng4dWtLenFzOWk2Z2FPZ2syK2M0dFFSWExWRHJwK2Y5SjJUVWQ4RnVReUc3d2dhWkhiVFdaWjdnaXI0aCsKbFV2YVp6QXFJeWdzckdWMndNaEVsQUtuV
D1lRHBsYXJudnZ2Mm5RN0hXYVhOeUxkK0E3VGJpWmFWYWd1Y1lhSgpxTEp6ej1vOEhiY3NCdWttN0orUVJOTzVub2t1NkFZYT1KZXBWV2hLVjJqYWpyZ2JMVFRjTVRZNzJJZl
N6ZnhTCmJDCms2ZXdhNDdiK09ude5mOFMvOW43MmxkVERGdjBJNG54M3FNVM9XREJFbWhGQnZCeUt0MWZRcTBwSEpsVzIKZmlndnRCRW9kb2M0U2gzaHUyYU4vQmZyK0E9PQo
tLS0tLUVORCBDRVJUSUZJQ0FURStLS0tCg==
    server: https://172.21.249.42:16443
    name: microk8s-cluster
contexts:
- context:
    cluster: microk8s-cluster
    user: admin
    name: microk8s
current-context: microk8s
kind: Config
preferences: {}
users:
- name: admin
  user:
    token: NldCZjFBTDROcVp6NTUyY3pOMDNzcFE2Z0R6dHBqaVVBegTrQnd3MzFMMD0K
```



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# Thank You!