OSM Hackfest – Session 1
Creating a basic VNF and NS

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VNF: hackfest1-vnf

VDU:
- Resources: 1 CPU, 1GB RAM, 10 GB disk
- Image name: ubuntu1604

Connection point: vnf-cp0

Interface: vdu-eth0
Creating the VNF in the UI

- Go to the catalog
- Add VNFD
  - Name: hackfest1-vnf
  - Add a Connection Point: CONNECTION POINT 1:
    - name: vnf-cp0
- Add a VDU in the VNF
  - name (optional)
  - Image: ubuntu1604
  - VM Flavor:
    - VCPU COUNT: 1
    - MEMORY MB: 1024
    - STORAGE GB: 10
  - Add an interface to the VDU:
    - Name: vdu-eth0
    - Connection-point-type: EXTERNAL
    - EXTERNAL-CONNECTION-POINT-REF: vnf-cp0
    - Type: VIRTIO
NS diagram

NS: hackfest1-ns

VL: mgmtnet

Connection point: vnf-cp0

VNF: hackfest1-vnf
Creating the NS in the UI

• Go to the catalog

• Add NSD
  • Name: hackfest1-ns

• Add the VNF ‘hackfest1-vnf’ to the NS by drag and drop

• Add a VLD
  • name (optional): mgmtnet
  • TYPE: ELAN
  • MGMT NETWORK: True

• Connect VNF Connection Point vnf-cp0 to VL:mgmtnet
Before the deployment
Adding SSH keys to Launchpad

• Go to Launchpad > SSH keys
• Give a name to the key
• Paste your public SSH key in the “KEY” field
• Click on “ADD KEY”
Deploying NS in the UI

• Go to Launchpad > Instantiate
• Select hackfest1-ns and click Next
• Complete the form
  • Add a name to the NS instance
  • Select the Datacenter where the NS will be deployed
  • Specify a default VIM network name to map MGMTNET:
    • VIM NETWORK NAME: mgmt (for openstack1 VIM)
    • VIM NETWORK NAME: external (for openstack3 VIM)
  • Add SSH key
• Go to the dashboard to see the instance and get the mgmt IP address of the VNF
• Connect to the VNF:
  • ssh -i <priv_key> ubuntu@<IP>
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