OSM Hackfest – Session 1
Creating a basic VNF and NS
Gerardo García (Telefónica)
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
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
  • 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>