

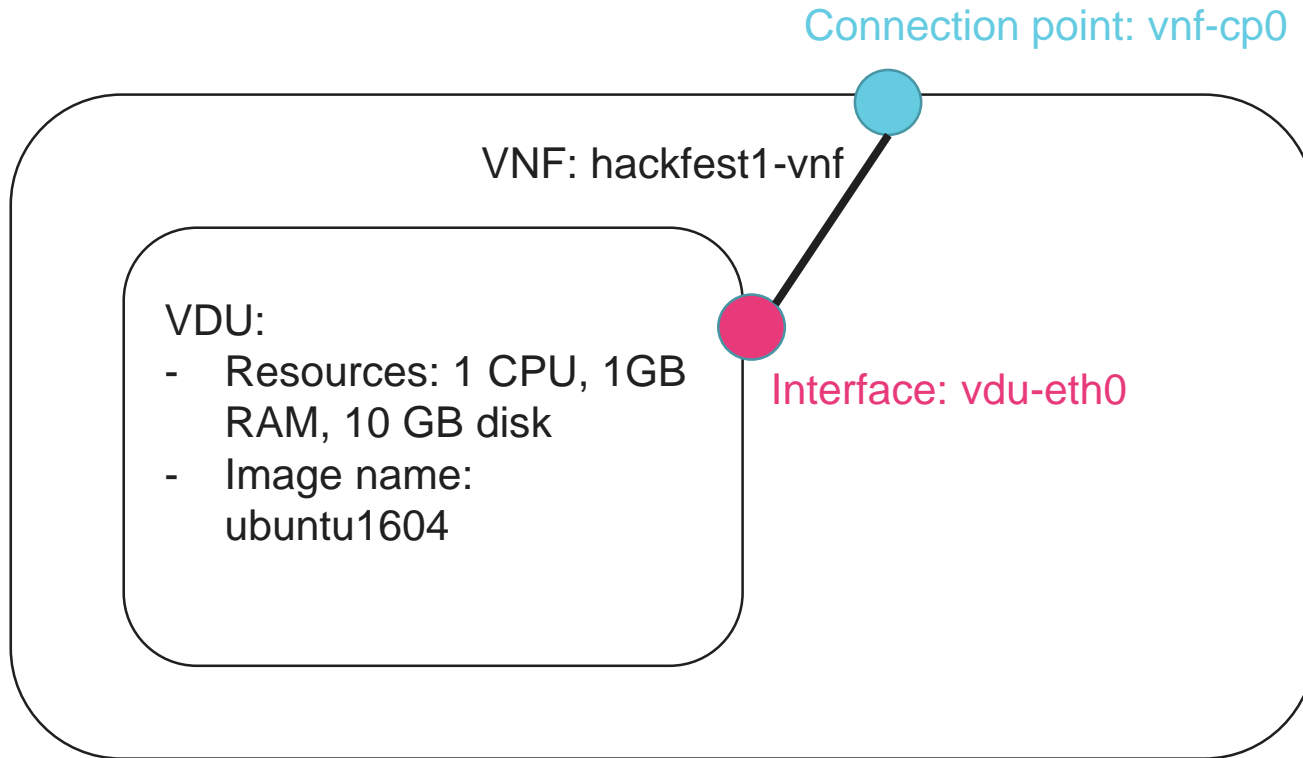
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# OSM Hackfest – Session 1

## Creating a basic VNF and NS

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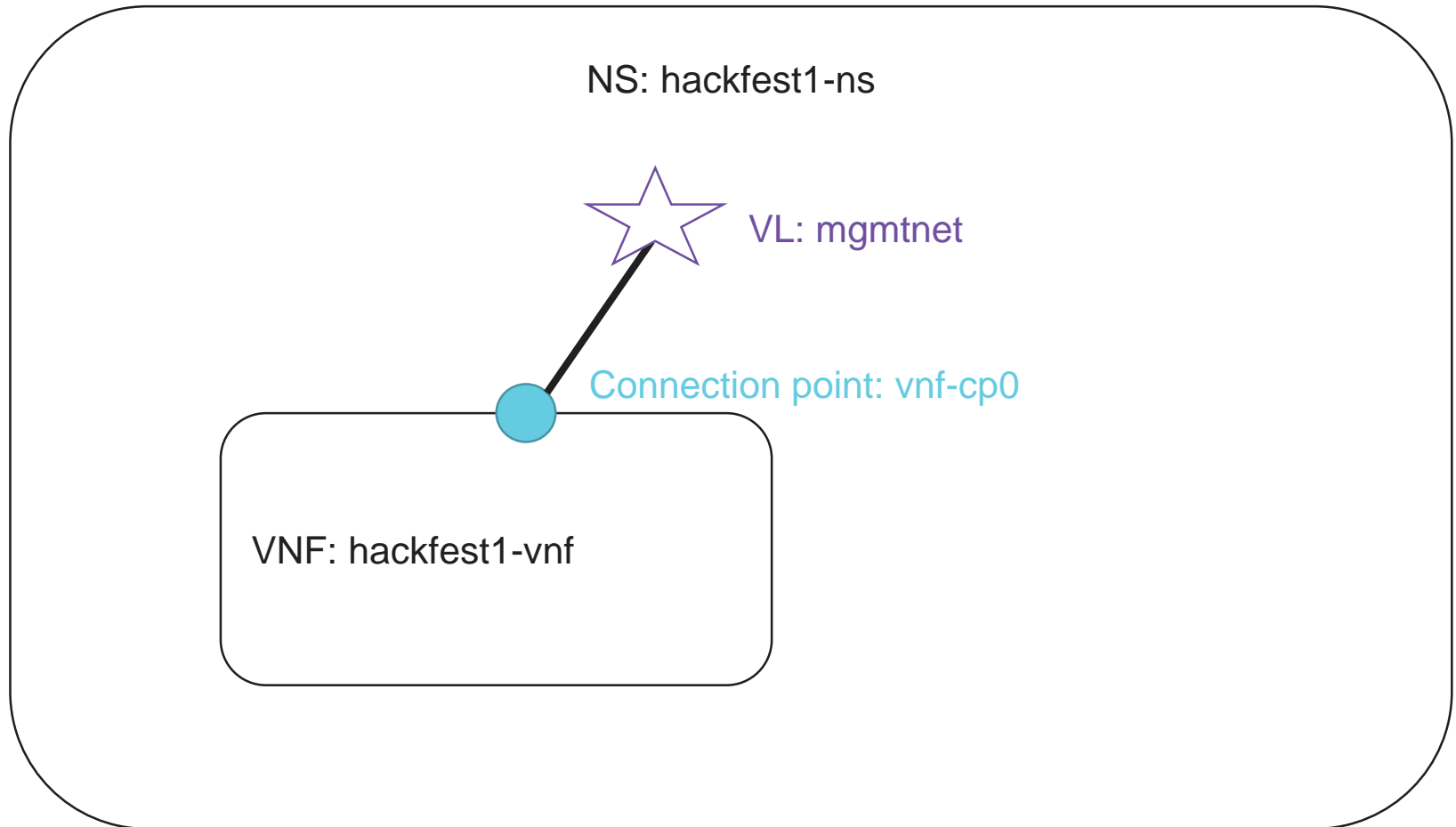
# VNF diagram



# 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



# 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

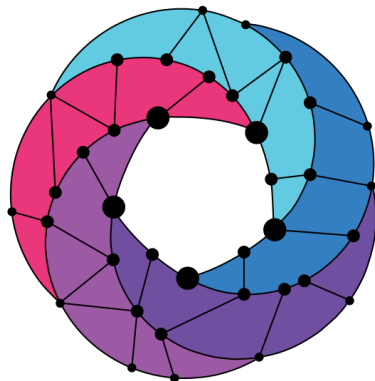
# Before the deployment

## 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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