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**MANO**

## OSM Hackfest – Recap

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# A very loaded agenda, but we managed to cover the objectives

1st OSM Hackfest	MONDAY 15th January	TUESDAY 16th January	WEDNESDAY 17th January	THURSDAY 18th January	FRIDAY 19th January
09:00 - 10:30		Session 1	Session 3	Session 4	TO BE DEFINED
10:30 - 11:00		COFFEE BREAK			
11:00 - 12:00					TO BE DEFINED
12:00 - 13:00		Session 1 (Cont)	Session 3 (Cont)	Session 4 (Cont)	Closing Session (Recap)
13:00 - 14:00	REGISTRATION	LUNCH BREAK			
14:00 - 16:00	OSM 101 (introduction)	Session 2	Session 5	Session 5 (Cont)	
16:00 - 16:30		COFFEE BREAK			
16:30 - 17:30	OSM 101 (installation and first use)	Session 2 (Cont)	Session 5 (Cont)	Session 5 (Cont)	
17:30 - 18:30		Troubleshooting OSM issues from Plugtests	Troubleshooting OSM issues from Plugtests	Troubleshooting OSM issues from Plugtests	
18:30 - ...		Social Event (Nice) Buses leave @18:30			

# What we accomplished (1/3)

- Installed OSM
  - Configured LXD
  - Installed OSM
  - Updated RO
  - Updated NAT rules for local access to the UI
  - Configured env variables for OSM client
- Configured VIM accounts
  - Added VIM accounts with OSM client
    - Used config dictionary for some specific options
  - Added SDN controller from the RO
  - Updated VIM account from the RO to use external SDN controller
    - Added port mapping to a specific VIM from the RO

# What we accomplished (2/3)

- Deployed several VNFs and NSs:
  - Session 1. Basic VNF (single VDU) and basic NS (single VNF)
  - Session 2. Two-VDU VNF and two-VNF NS
  - Session 3. Added day-0 configuration via cloud-init to VNF
  - Session 4. Added EPA capabilities to VNF
  - Session 5. Added day-1/day-2 configuration to VNF by making use of charms
- Created and built a charm
  - layers.yaml, metadata.yaml, actions.yaml
  - Implemented an action ('touch')
- Learned how to map charm actions to VNF primitives in the VNF descriptor
- Learned the way to allow proper identification of interfaces through a metadata server

# What we accomplished (3/3)

- Got familiar with Graphical User Interface
  - Catalog, VNF and NS composer, dashboard
  - Onboarded packages
  - Instantiated NS
  - Checked records to get info like IP address
- Got familiar with command-line client ('osm')
- Learned how to generate a VNF package from a terminal

# OSM Hackfest relevant links

- Hackfest wiki page:
  - [https://osm.etsi.org/wikipub/index.php/1st OSM Hackfest](https://osm.etsi.org/wikipub/index.php/1st_OSM_Hackfest)
- Minutes have been captured here:
  - [https://pad.etsi.org/p/OSM Hackfest 2018](https://pad.etsi.org/p/OSM_Hackfest_2018)
- Packages, images and other material:
  - <https://osm-download.etsi.org/ftp/osm-3.0-three/1st-hackfest/>

# Reminder on OSM relevant links (1/2)



- Main page:
  - [https://osm.etsi.org/wikipub/index.php/OSM\\_Release\\_THREE](https://osm.etsi.org/wikipub/index.php/OSM_Release_THREE)
- Information Model:
  - [https://osm.etsi.org/wikipub/index.php/OSM\\_Information\\_Model](https://osm.etsi.org/wikipub/index.php/OSM_Information_Model)
- Creating your own VNF package:
  - [https://osm.etsi.org/wikipub/index.php/Creating\\_your\\_own\\_VNF\\_package\\_\(Release\\_THREE\)](https://osm.etsi.org/wikipub/index.php/Creating_your_own_VNF_package_(Release_THREE))
  - [https://osm.etsi.org/wikipub/index.php/Creating\\_your\\_own\\_VNF\\_charm\\_\(Release\\_THREE\)](https://osm.etsi.org/wikipub/index.php/Creating_your_own_VNF_charm_(Release_THREE))
- EPA and SDN assist
  - [https://osm.etsi.org/wikipub/index.php/EPA\\_and\\_SDN\\_assist](https://osm.etsi.org/wikipub/index.php/EPA_and_SDN_assist)

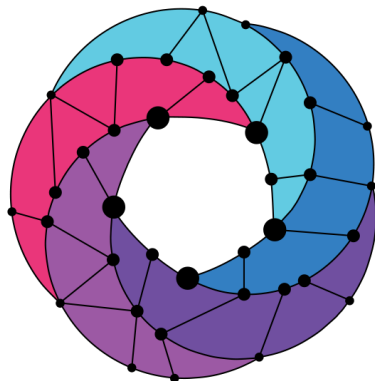
# Reminder on OSM relevant links (2/2)



- Adding VIM accounts:
  - Openvim:  
[https://osm.etsi.org/wikipub/index.php/OpenVIM installation \(Release THREE\)](https://osm.etsi.org/wikipub/index.php/OpenVIM_installation_(Release_THREE))
  - Openstack:  
[https://osm.etsi.org/wikipub/index.php/Openstack configuration \(Release THREE\)](https://osm.etsi.org/wikipub/index.php/Openstack_configuration_(Release_THREE))
  - VMware vCloud Director:  
[https://osm.etsi.org/wikipub/index.php/Configuring VMware vCloud Director for OSM Release THREE](https://osm.etsi.org/wikipub/index.php/Configuring_VMware_vCloud_Director_for_OSM_Release_THREE)
  - Amazon Web Services:  
[https://osm.etsi.org/wikipub/index.php/Configuring AWS for OSM Release THREE](https://osm.etsi.org/wikipub/index.php/Configuring_AWS_for_OSM_Release_THREE)







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