

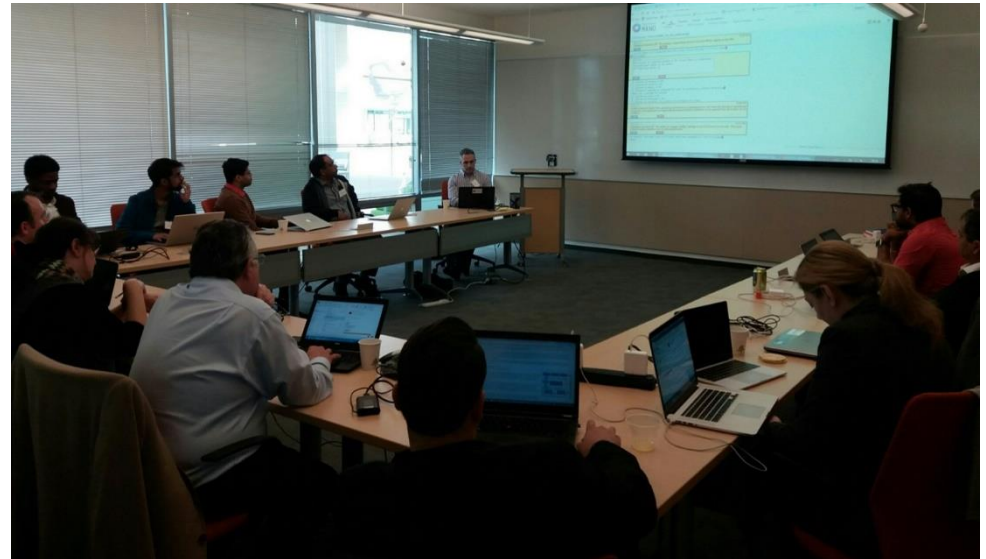
Open Source  
**MANO**

OSM Hackfest – Welcome  
Gerardo García (Telefónica)

# Welcome to 1<sup>st</sup> OSM Hackfest



- Thanks ETSI for hosting the event!
- WiFi:
  - SSID: OSM\_Hackfest
  - Password: WIFI4hackfest!
- Question about logistics?
  - Contact Aurelie



# Hackfest tutors



**Adam Israel**

Software Engineer @Canonical

VCA TF leader, DEVOPS committer and contributor to several modules

**Guillermo Calviño**

Network Engineer @Altran

RO and DEVOPS contributor



**Gerardo García**

Technology Expert @Telefónica GCTO Unit

TSC member, RO committer, DEVOPS committer and IM committer



# Objectives

- Install OSM and run some examples
- Get familiar with OSM's GUI and CLI
- Create your own VNF and NS descriptors and build packages
- Understand how to deploy NS/VNF with EPA
- Learn how to add dynamic LCM with Day-1 and Day-2 actions with charms
- Basic troubleshooting
  - Special attention will be paid to troubleshoot real cases from co-located NFV Plugtests.

# Agenda (re-scheduled)

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			

# 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 will be 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/>

# 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)

# 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)



# Facilities for the Hackfest

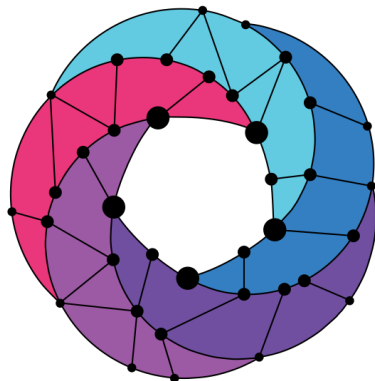
- OSM servers:
  - osm-demo: 172.21.1.3
  - osm-plugtest1: 172.21.1.4
  - osm-plugtest2: 172.21.1.5
  - osm-hackfest1: 172.21.1.9
  - osm-hackfest2: 172.21.1.10
  
- Remote VIMs:
  - openstack1: 172.21.2.20
  - openstack2-epa: 172.21.2.22

# Way of working

- Work in pairs
- Either your own OSM instances or the ETSI OSM servers
- Coordination of testing against VIMs will be gathered in the pad, together with minutes and Q&A:
  - [https://pad.etsi.org/p/OSM\\_Hackfest\\_2018](https://pad.etsi.org/p/OSM_Hackfest_2018)

# Agenda for today

- Welcome
- OSM introduction
- OSM installation (Release THREE)
- OSM user experience



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Find us at:

[osm.etsi.org](http://osm.etsi.org)  
[osm.etsi.org/wikipub](http://osm.etsi.org/wikipub)