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Welcome and Intro to the OSM workshop

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OSM Training Seminar - SLICES

13/02/2024

Objectives

- Learn about OSM and the role of an infrastructure orchestrator:
 - Installation
 - Usage
 - Multi-tenancy, users, projects and RBAC
 - Registering VIMs/Clouds and K8s clusters
 - Adding NF and NS packages to OSM
 - Instantiation
 - Operation
 - Relevant documentation
- Practice through guided exercises



Gerardo García de Blas



- Technology Expert at Telefónica's Global CTIO Unit, in the Cloud & Infra Area
- Working on topics related to multi-cloud tools and technologies, Kubernetes, GitOps, NFV, OSM, NF testing on top of public and private clouds, orchestration and automation in the telco area.
- Contributed to the ETSI NFV ISG, with special dedication to data plane performance of Network Functions.
- TSC member of ETSI OSM since the foundation in April 2016.
- TSC Chair of ETSI OSM since February 2022.

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Requirements for participants

- Attendees need a laptop to follow the conference.
- Attendees will need to request access to a VPN provided by ETSI (details were provided by e-mail after registration and in advance to the training).

Hackfest resources

- SLICES Seminar link: <https://www.slices-es.eu/2024/01/17/slices-madrid-osm-training-seminar-madrid-13-02-2024-14-02-2024/>
- Wiki page: https://osm.etsi.org/wikipub/index.php/OSM_Training_SLICES_Feb2024
- Etherpad: https://osm.etsi.org/pad/p/OSM_Training_SLICES_Feb2024
- Slack: https://join.slack.com/t/opensourcemano/shared_invite/zt-1688p662q-2ZUJghK_XeCJsoZWLh_KPA
 - Slack channel: #seminar-slices
- Presentations: [OSM_Training_SLICES_Feb2024](#)
- Google Classroom: <https://classroom.google.com/c/NjYyMzg4NTI0OTUx?cjc=2iyzzqf>
- Google Spreadsheet: [Workshop environment resources](#)

OSM resources

- OSM User Guide: <https://osm.etsi.org/docs/user-guide/latest/>
 - For information about how to install and use OSM
 - Troubleshooting: <https://osm.etsi.org/docs/user-guide/latest/09-troubleshooting.html>
 - OSM IM: <https://osm.etsi.org/docs/user-guide/latest/11-osm-im.html>
 - OSM NBI: <https://osm.etsi.org/docs/user-guide/latest/12-osm-nbi.html>
- OSM Code:
 - Gerrit (code): <https://osm.etsi.org/gerrit/>
 - Gitlab (code mirror, friendly UI): <https://osm.etsi.org/gitlab>
- OSM NF and NS packages: <https://osm.etsi.org/gitlab/vnf-onboarding/osm-packages>
- OSM E2E Robot Tests: <https://osm.etsi.org/gitlab/osm/tests>

OSM resources

- OSM Public Wiki: <https://osm.etsi.org/wikipub>
 - Ecosystem
 - Hackfests and workshops
- OSM Private Wiki: <https://osm.etsi.org/wiki>
 - Minutes of calls
 - OSM Schedule: https://osm.etsi.org/wiki/index.php/OSM_Schedule
- OSM Feature proposals:
 - Tracking: https://osm.etsi.org/gitlab/osm/features/-/boards/44?group_by=epic
 - Looking for contributors: <https://osm.etsi.org/gitlab/osm/features/-/boards/45>

- Day 1. Understanding OSM
 1. Welcome and intro to the workshop
 2. Introduction to OSM
 3. OSM installation demo
 4. Workshop Environment
 5. OSM usage. Multi-tenancy, users, projects and RBAC.
 6. OSM usage. Registering VIMs/Clouds and Kubernetes clusters
 7. OSM usage. Adding NF and NS packages
 8. OSM usage. Instantiation
 9. OSM usage. Operation
- Day 2. Learning by doing through a use case
 1. Practical exercise
 1. Onboarding of a CNF from a helm chart
 2. Onboarding of a VNF with Day-2 configuration
 3. Onboarding of a NS consisting of both a VNF and a CNF
 4. Instantiation
 5. Operation
 2. How to contribute to OSM
 3. Recap

Initial survey

- Questionnaire: <https://forms.gle/NHtDaonY3pQuQJXg8>



Recommendations to enjoy the seminar

Practical exercises require trial and error

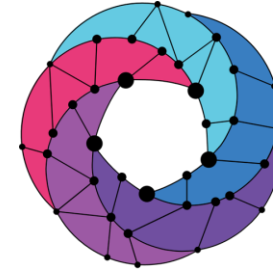
- Try, try, try!

Ask questions

- Please ask! Everybody, including the instructor, will learn.

Please be patient

- One single instructor for 30+ people
- Technical problems might appear
- Bugs can be found



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Thank You!