Recap

Gerardo García (Telefónica, OSM TSC Chair)

OSM Training Seminar - SLICES

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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
Agenda

• 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
OSM functionality is based on ETSI NFV reference framework

NFV MANO

NFVO
- NF catalogue
- Multi-tenancy
- RBAC

VNFM

NF and NS as a Service

NB interface (REST API) based on SOL005 (+SOL003)

Common model for NS and NF packages (SOL004, SOL007) and descriptors (SOL001, SOL006)

Multi-site and multi-cloud southbound interaction
Key concept: replicability and predictability

Network designs can leverage on replaceable components that can be safely and automatically assembled.
Hackfest resources

- Etherpad: https://osm.etsi.org/pad/p/OSM_Training_SLICES_Feb2024
- Slack: https://join.slack.com/t/opensourcemanano/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

  - For information about how to install and use OSM
  - Troubleshooting: [https://osm.etsi.org/docs/user-guide/latest/09-troubleshooting.html](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](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](https://osm.etsi.org/docs/user-guide/latest/12-osm-nbi.html)

- OSM Code:
  - Gerrit (code): [https://osm.etsi.org/gerrit/](https://osm.etsi.org/gerrit/)
  - Gitlab (code mirror, friendly UI): [https://osm.etsi.org/gitlab](https://osm.etsi.org/gitlab)

- OSM NF and NS packages: [https://osm.etsi.org/gitlab/vnf-onboarding/osm-packages](https://osm.etsi.org/gitlab/vnf-onboarding/osm-packages)

- OSM E2E Robot Tests: [https://osm.etsi.org/gitlab/osm/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 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
What’s next?

OSM is evolving continuously

- New versions will bring more functionality and simplicity

Contributions are welcome

- Propose new feature proposals,
- Report bugs,
- Or contribute fixing bugs or implementing features.

Please ask and be patient

- Reach us in Slack
- We are a community, not a costumer tech support team
- There might be bugs or lack of some functionality
Final survey

- Questionnaire: [https://forms.gle/JpqMiUsURXqc4LTW9](https://forms.gle/JpqMiUsURXqc4LTW9)
Thank You!