

OSM Hackfest – Session 9.1 VNF Onboarding Walkthrough

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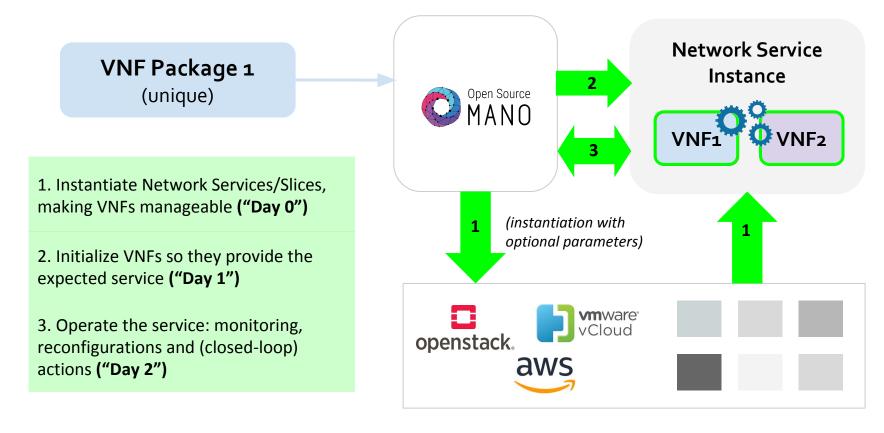
The VNF Onboarding Task Force



A need for real VNF Onboarding



We need to achieve completely onboarded VNFs, with unique packages that fulfill the NFV vision by providing value to CSPs.



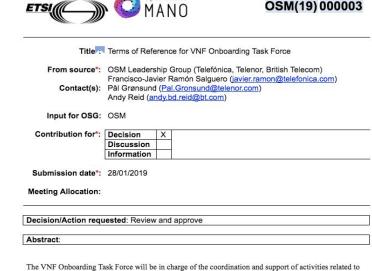
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Introducing the VNF Onboarding TF



Beginning 2019, the OSM Leadership Group proposed to the community the creation of the VNF Onboarding Task Force, a group in charge of the coordination and support of activities related to VNF onboarding in OSM.

- As first action, a Chair was elected for 2 years.
- The task force is expected to be permanent.



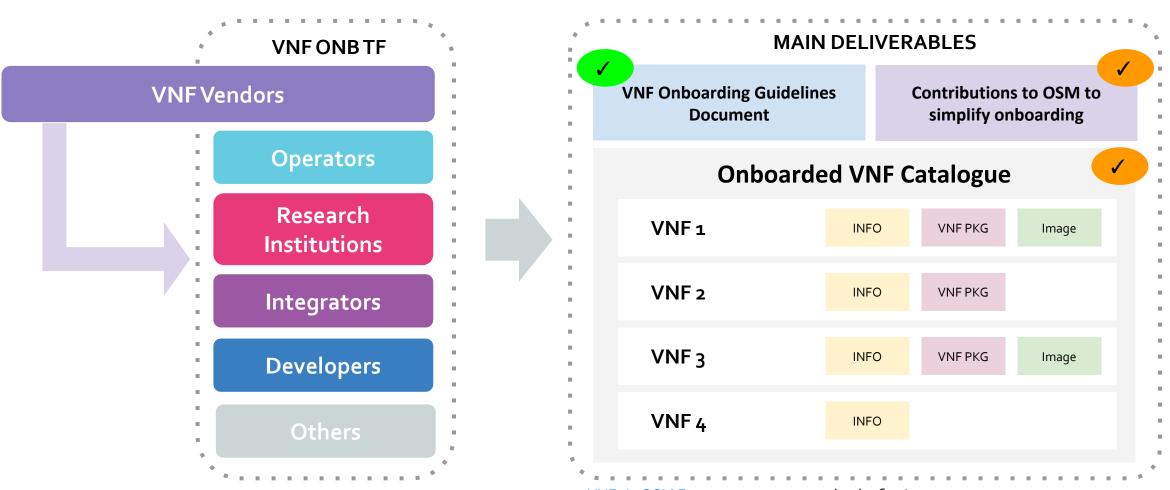
- Define success criteria and requirements (with support from EUAG)
- Consolidate best practices and produce related documentation
- Creation of common/reusable components to simplify new onboardings. In particular, the TF will
 aim to identify common types of interactions: SOL002, REST, Netconf/YANG, CLI/expect, etc.
- · Guidelines about how to create and/or extend VNF artifacts (e.g. charms)
- Early identification of new features and user experience improvements. Produce feedback to TSC
- · Collect and publicise actively a catalogue of VNFs successfully onboarded

Duration: Permanent

VNF Onboarding TF Goals



We are shaping the Open Source MANO VNF Onboarding Task Force team!



<u>VNFs in OSM Ecosystem</u> are expected to be first!



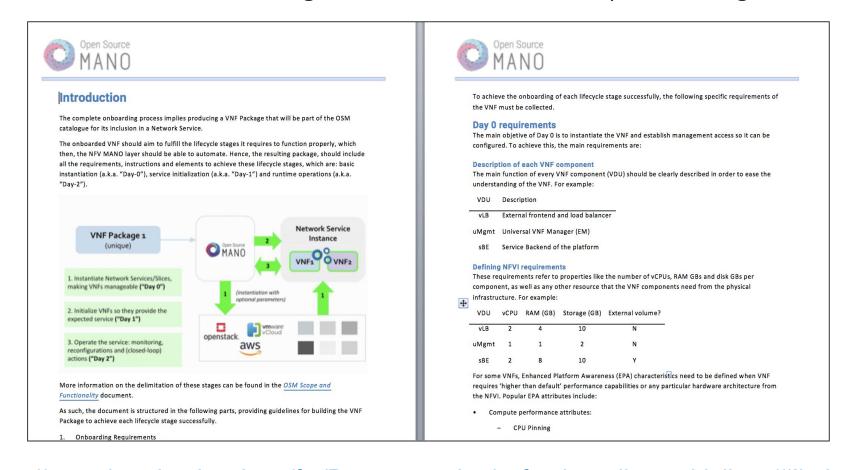
Documentation!



Onboarding Guidelines Document



The first version of the VNF Onboarding Guidelines Document was published right after the OSM#7 event.

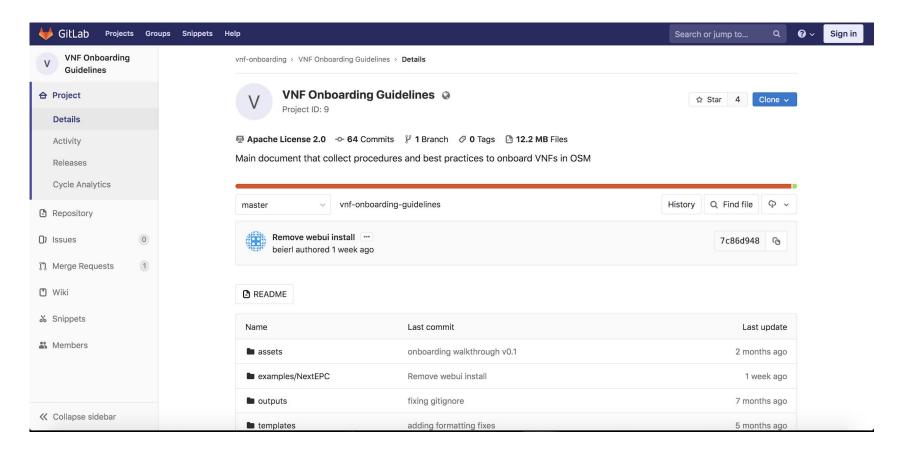


http://osm-download.etsi.org/ftp/Documentation/vnf-onboarding-guidelines/#!index.md

Anyone can contribute!



We have a GitLab repository hosted by ETSI to develop the guidelines documentation, you can contribute!



https://osm.etsi.org/gitlab/vnf-onboarding/vnf-onboarding-guidelines



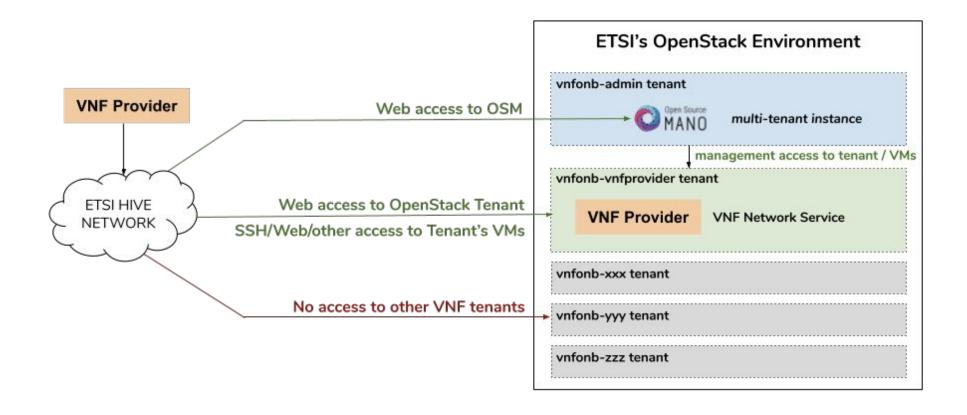
Labs!



ETSI VNF Onboarding Labs



VNF Provider? Get your free environment to create your OSM VNF Package!



https://osm.etsi.org/wiki/index.php/VNF_TF



VNF Onboarding Walkthroughs!



VNF Onboarding Walkthroughs



These are special documents that will walk you through real-world scenarios to build VNF Packages from scratch.

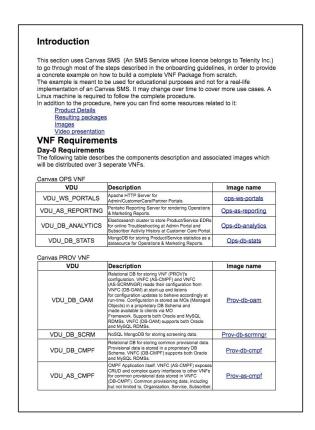
Open Source MANO Day 0: VNF Instantiation & Management setup Day 1: VNF Services Initialization Day 2: VNF Runtime Operations VNF Onboarding Walkthrough VNF Onboarding Walkthrough Introduction Introduction **VNF** Requirements This section uses NextEPC (an open-source implementation of a 4G/5G packet core) to go through most of the steps described in the onboarding guidelines, in order to provide a concrete example on how to build a complete VNF Package from scratch Building the VNF Package for Day-0 The example is meant to be used for educational purposes and not for a real-life implementation of an EPC. It may change over time to Building the VNF Package for Day-1 cover more use cases. A Linux machine is required to follow the complete procedure In addition to the procedure, here you can find some resources related to it Building the VNF Package for Day-2 Resulting packages Testing the VNF Package Video presentation **VNF** Requirements **Day-0 Requirements** The following table describes the components description and associated images. VDU Description Image name

1st Walkthrough (EPC) → http://osm-download.etsi.org/ftp/Documentation/vnf-onboarding-guidelines/#!06-walkthrough.md

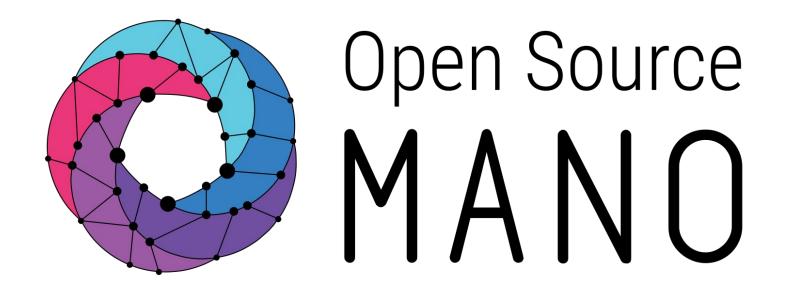
VNF Onboarding Walkthroughs



The second walkthrough is ready! and will be soon merged into our documentation



- Documentation created by Tolga Gölelçin from Telenity.
- Canvas is a commercial SMS provided by Telenity
- 2nd Walkthrough →
 https://drive.google.com/file/d/1n_tqXIXaPxhrfOvrEAhO
 piw1YBGVDSqD/view (temp location)



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