

1st OSM VNF Day - Kickoff: The Importance of VNF Onboarding for NFV Realization

Gianpietro Lavado OSM VNF Onboarding TF Chair / Senior Solutions Architect @ Whitestack





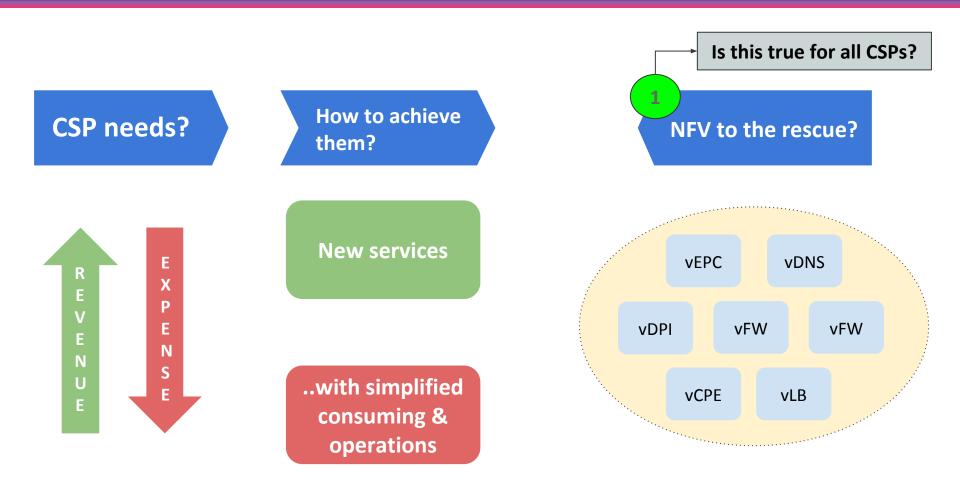
Welcome!



Timing	Session	Partner Company	Name	Abstract summary
13:00-13:30	Keynote / Kick-off	Whitestack	Gianpietro Lavado	Keynote: The Importance of VNF Onboarding to NFV Realization
13:30 - 14:00	VNF Day Session #1	Canonical	Marcin Bednarz	Virtualised and Containerised Network Functions in OSM
14:00 - 14:30	VNF Day Session #2	Fortinet	Ali Bidabadi,	With numerous challenges in the area of security VNFs (and VNFs in general), Fortinet has worked to enhance the performance of its security VNFs by taking advantage of cutting-edge technologies.
14:30 – 15:00 including Q&A	VNF Day Session #3	Intel	Intel Network Builders	This session will provide an overview of the Intel [®] Network Builders University and the value of cutting edge technical training in the network transformation landscape.
14:50 – 15:10	Coffee Break			
15:10 - 15:40	VNF Day Session #4	A10	Saurabh Sureka	Interoperability, performance & business flexibility are the key requirements from VNF's deployed across Multi-Clouds.
15:40 - 16:10	VNF Day Session #5	VMware	Vanessa Little	Are we realizing the promise of NFV?
16:10 - 16:20	Panel Set Up	l	1	1
16:20 – 17:00	VNF Day Panel	All Presenters		With 5G winds at our backs, it seems like we all need to go faster than ever to virtualize, containerize or even go grounds up cloud-native. In this panel we will explore workloads and deployment types that require different approaches, and looking at each partners own experience at meeting market needs.

Why are we here?









There are still a couple of challenges perceived by some CSPs, which believe in virtualization, but prefer to rely on vertical "single vendor" deployments.

Do I need a NFV orchestrator at all?

 What's the value of orchestrating NS / VNFs beyond VMs and container lifecycle management?

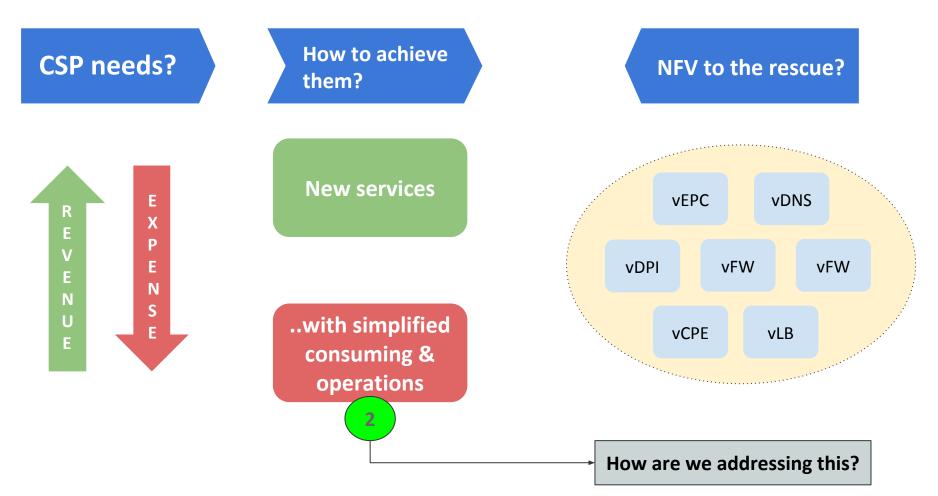
Will my NFV MANO be compatible with any VNFs?

• Will automation of configuration, monitoring, scaling, healing, updating, and other operations work with any VNF?

The value of Day1/2 automation of multiple VNFs, from a generic NFV MANO platform, is yet to be widely demonstrated!

Why are we here?









Both VNF and MANO vendors have an important role here!

VNF Vendors need to address:

- Creation of a consumable VNF function, agnostic to NFVI/VIM.
- A simplified license model.
- As cloud-friendly as possible (towards cloud-native)
- Simplified API for configuration and monitoring.

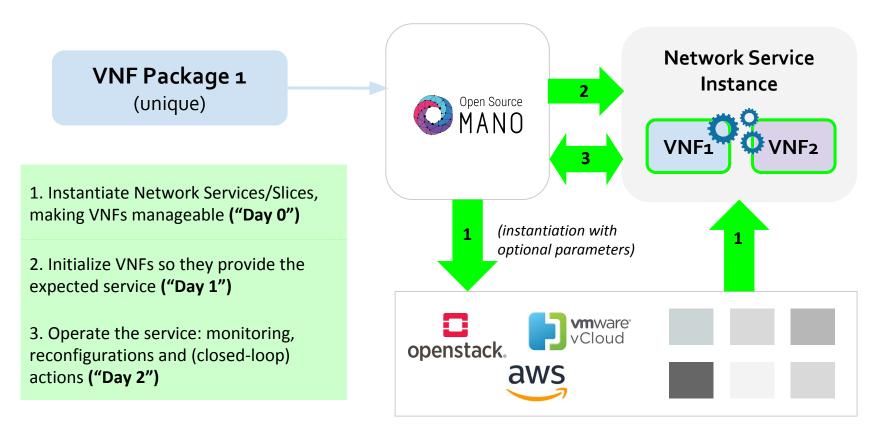
MANO Vendors need to address:

- A complete model for providing NFVI/VIM agnosticism.
- Adaptability for automating operations for different kinds of APIs for configuration and monitoring.

VNF Onboarding efforts tackle both challenges!



We need to achieve <u>completely onboarded VNFs</u>, to <u>fulfill the NFV</u> <u>vision and provide value to CSPs.</u>



VNF Onboarding TF: Introduction



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.

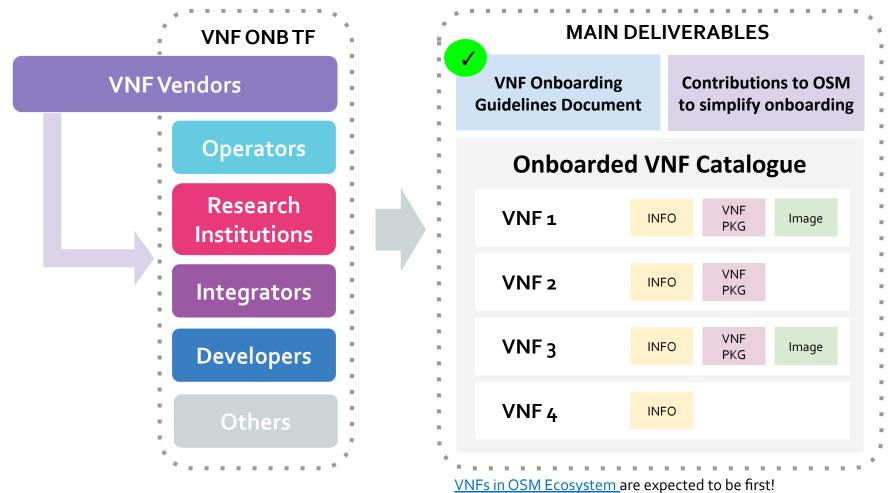
Title :	Terms of Reference for VNF Onboarding Task Force
From source*:	OSM Leadership Group (Telefónica, Telenor, British Telecom)
Contact/o	Francisco-Javier Ramón Salguero (javier.ramon@telefonica.com) Pål Grønsund (Pal.Gronsund@telenor.com)
Contact(s):	Andy Reid (andy.bd.reid@bt.com)
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Input for OSG:	OSM
Contribution for*:	Decision X
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Submission date*:	28/01/2019
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Duration: Permanent

VNF Onboarding TF: Short term goals



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

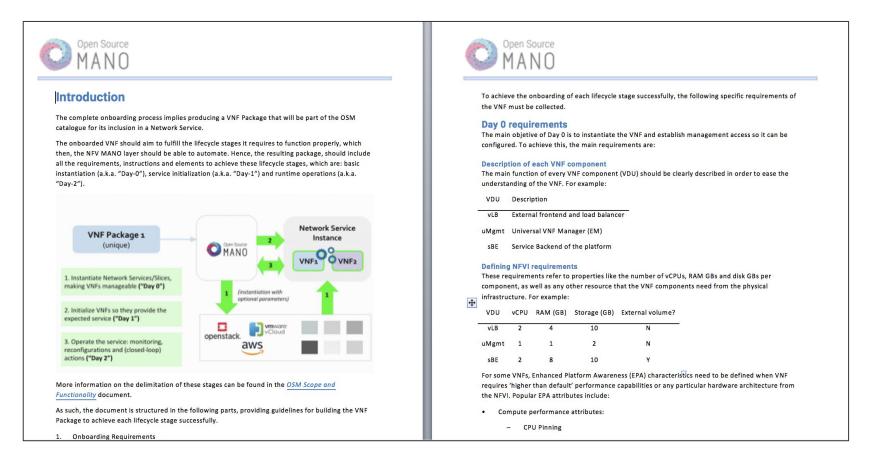


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VNF Onboarding TF: Guidelines!



The first version of the VNF Onboarding Guidelines Document is ready and will be published right after the OSM#7 event.





There are other initiatives letting us to further exercise VNF onboarding in OSM!

OSM POC Framework - visibility to any use case

Continuous activity to give visibility to OSM use cases (approved by the OSM TSC)

Multi-vendor NFV Showcase – Multi-vendor automated NS demonstration Lead by Whitestack, supported by Intel, OpenStack and ETSI NFV Plugtests Programme 2nd edition will happen around October 2019 (Preparation to start during June) 2019

4th NFV Plugtests – NFV Components interoperability tests under ETSI Standards

- 3-7 June 2019 ETSI, Sophia Antipolis (France)
 - **NFV** Interoperability
 - **NFV API Conformance**
 - MEC & MEC-in-NFV Interoperability (experimental)



Pick your favorite way of participating and challenge OSM to fully automate all the stages of VNF onboarding and <u>demonstrate the NFV</u> <u>value to CSPs!</u>

- **Participate in the VNF Onboarding TF:** Receive support from experts and get your VNF published in the new OSM VNF Catalogue
 - Visit: <u>https://osm.etsi.org/wiki/index.php/VNF_TF</u>
- Participate in the other initiatives:
 - ETSI 4th NFV Plugtests: contact the participating OSM distros (Whitestack / RIFT)
 - OSM PoC Framework: visit
 <u>https://osm.etsi.org/wikipub/index.php/OSM_PoC_Framework</u>
 - 2nd NFV Showcase: contact info@whitestack.com



Thank you!



