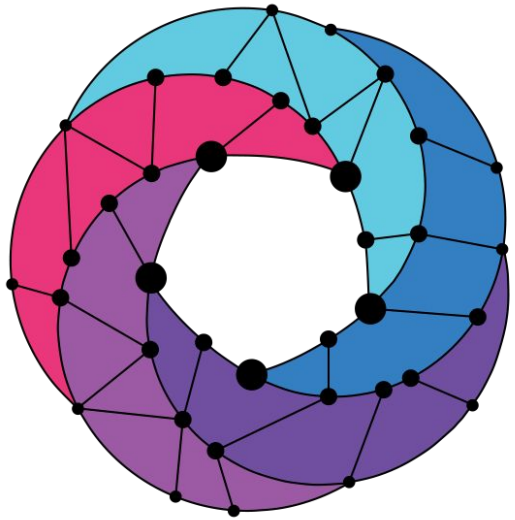

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OSM MR Hackfest – Hack 5a
End-to-end VNF Package Onboarding in OSM

Gianpietro Lavado (Whitestack)
Felipe Vicens (Atos)

ETSI

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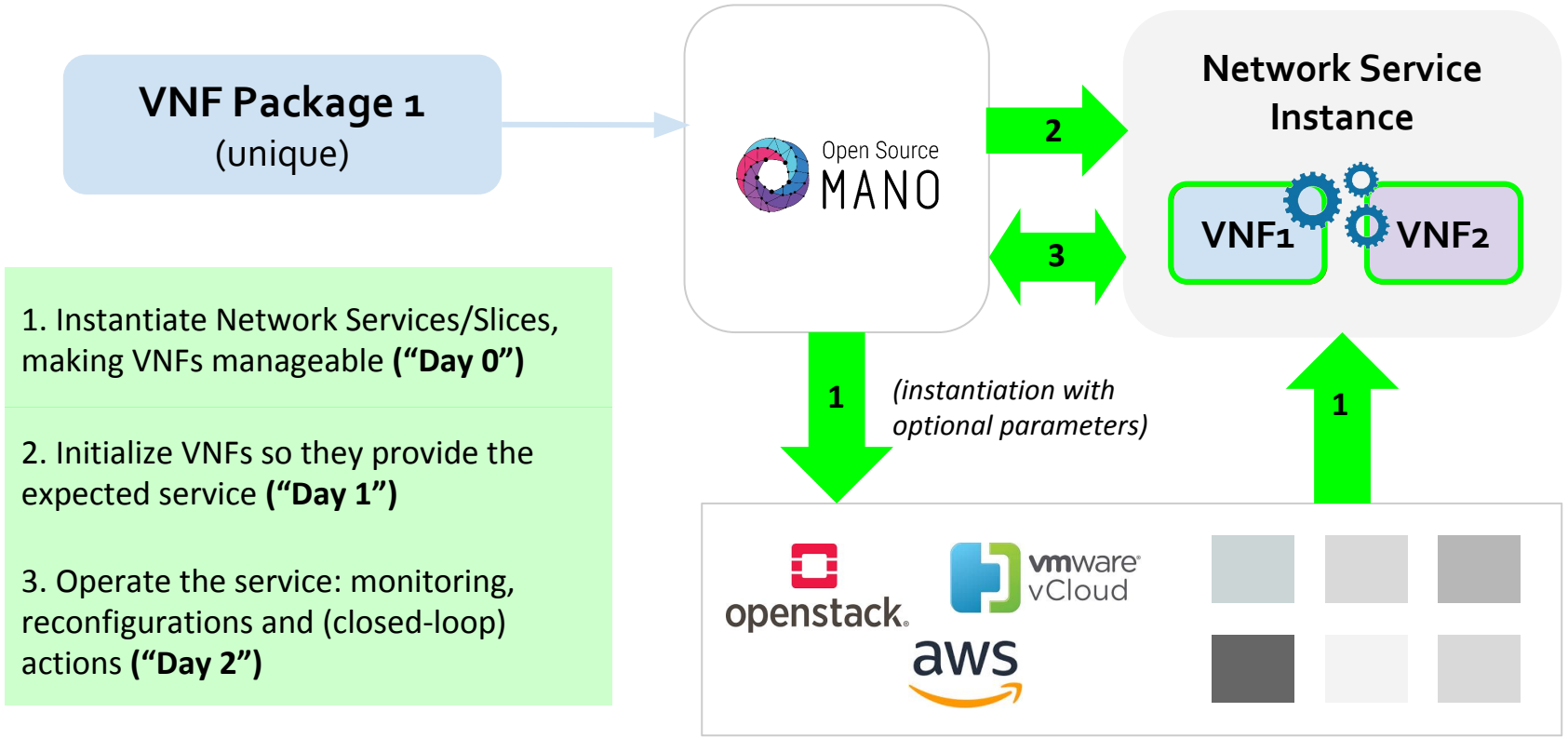
Introduction to the VNF Onboarding Task Force & Resources

OSM VNF Onboarding TF Vision

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



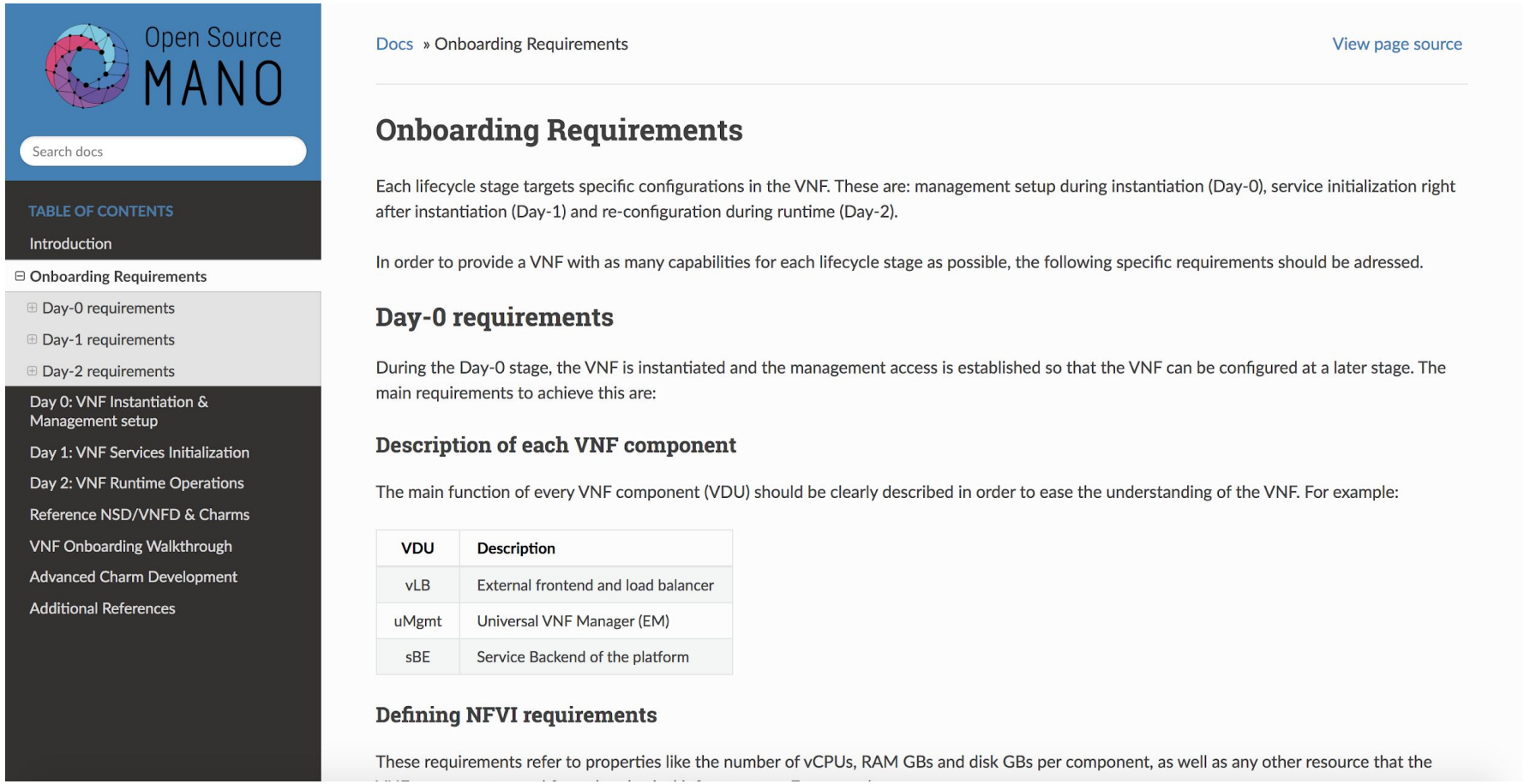
1. Instantiate Network Services/Slices, making VNFs manageable **("Day 0")**

2. Initialize VNFs so they provide the expected service **("Day 1")**

3. Operate the service: monitoring, reconfigurations and (closed-loop) actions **("Day 2")**

Resources: Documentation

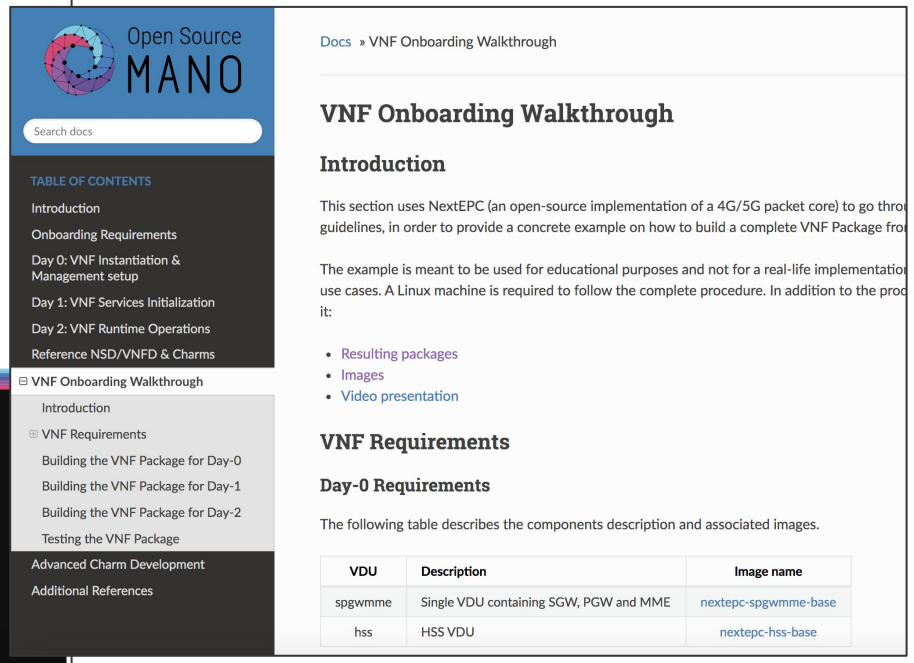
- The **OSM VNF Onboarding Guidelines** (live, online documentation)



Resources: Onboarding Examples

- An onboarding example is available as a walkthrough video and document:

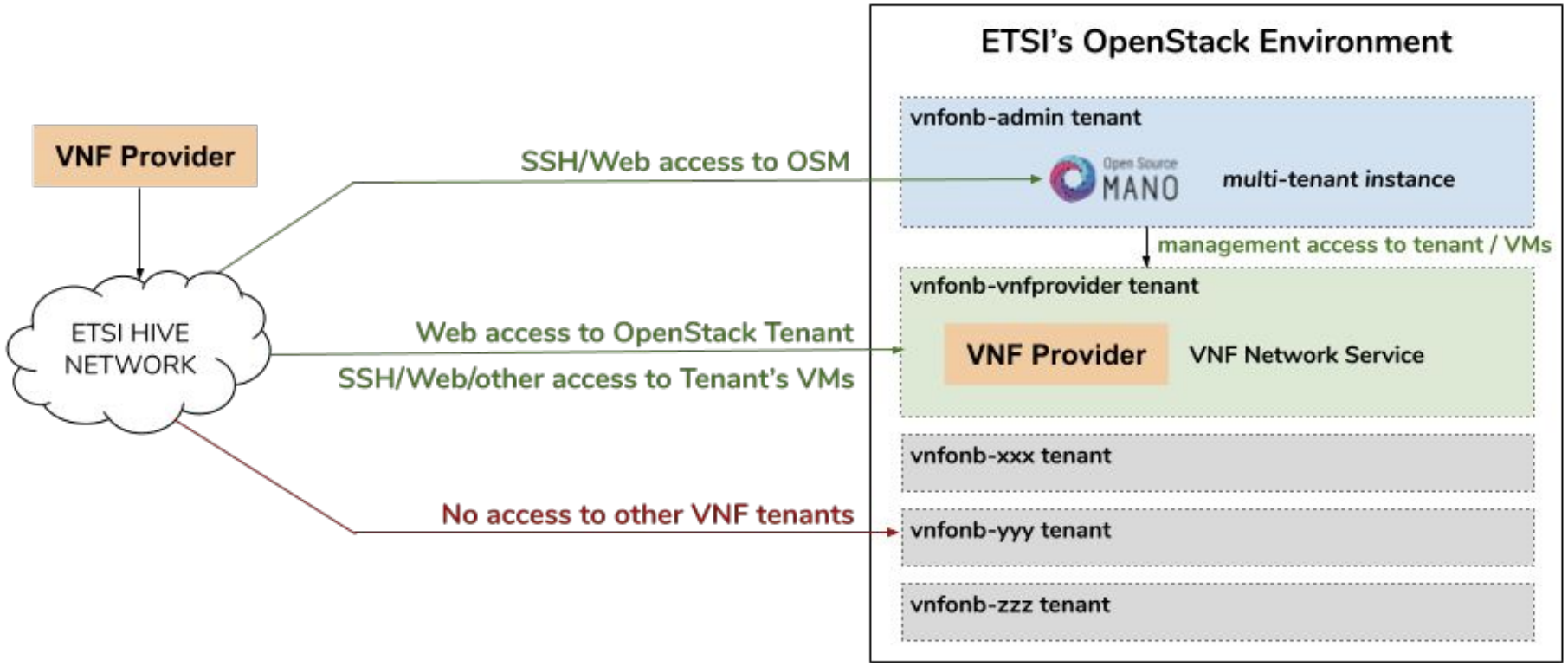
https://www.youtube.com/watch?v=hZzwwy9wNRE



https://osm.etsi.org/docs/vnf-onboarding-guidelines/06-walkthrough.html#

Resources: Onboarding Labs

- "Onboarding Labs" are available to VNF providers that want to onboard their packages on OSM with community support.



Upcoming: OSM VNF Repositories

```
# VNF Repositories

## Proposer
-   José Miguel Guzmán (Whitestack)
-   Gianpietro Lavado (Whitestack)

## Type

Feature

## Target MDG/TF

osmcient

## Description

This feature is for implementing the option to add a VNF package to the OSM
Catalog, from a remote repository.

This includes
- Designing the structure of repositories of VNF Packages and Images, to be consumed by OSM
- The tools for uploading the VNF Packages and Images to a repository
- The option in osmclient to add a VNF package from a remote repository, in the OSM catalog

## Demo or definition of done

VNF package available in a remote repository added to the OSM Catalog, by using
command-line.

Including uploading the images in the VIM

```

OSM VNF Repositories (Feature 8178)

- Will let OSM operators add a VNF package to the OSM local catalogue, from an existing, remote repository.
- OSM client would be used for achieving any interaction with remote repositories, which would have a predefined structure.
- Uploading images to the VIM would also occur automatically.
- Feature: https://osm.etsi.org/gerrit/#/c/osm/Features/+/8178/6/osm-repositories.md

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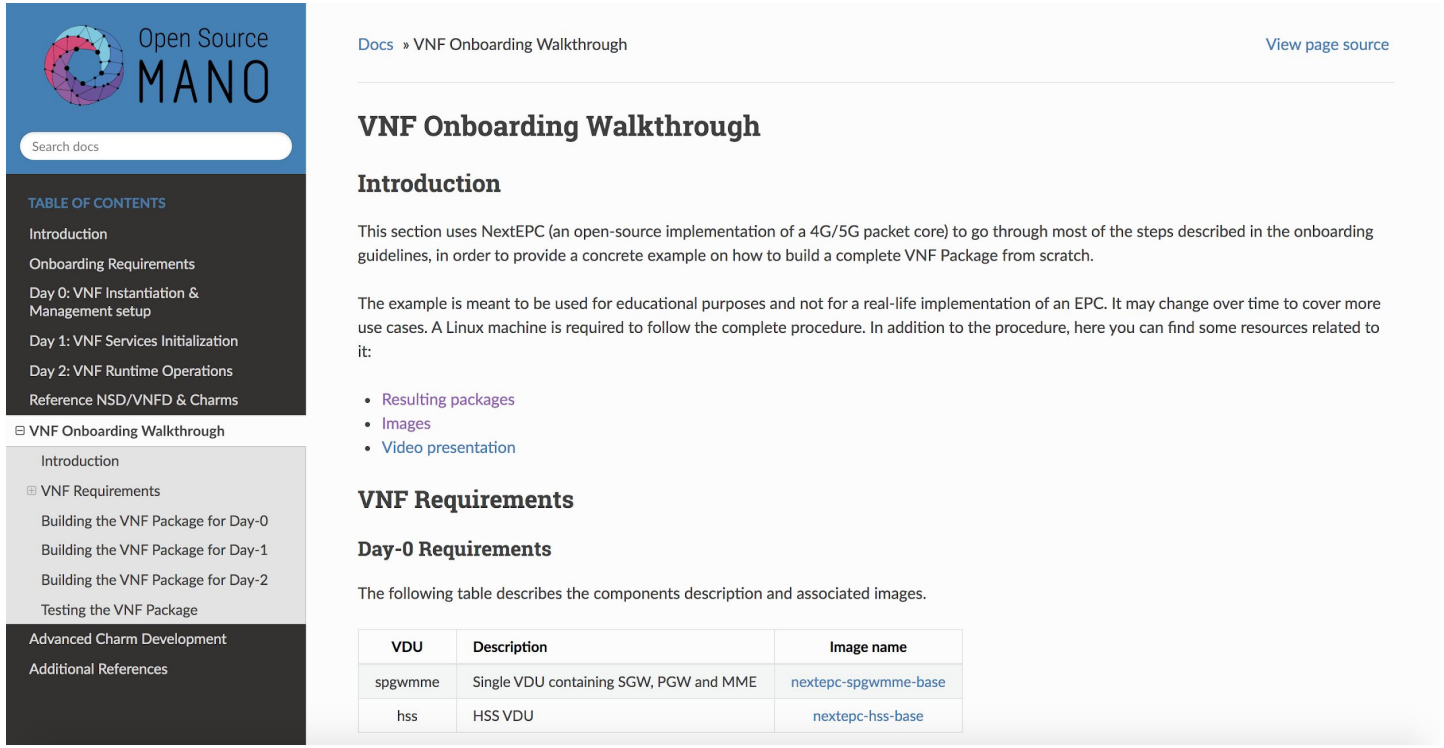
Hands-on: Building an Evolved Packet Core VNF package from scratch

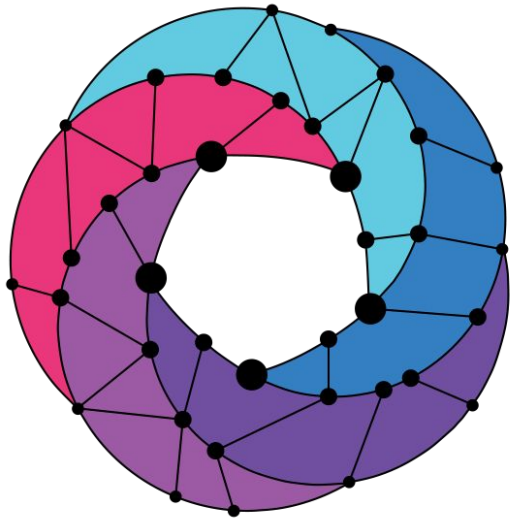
Hands-on: Building an EPC VNF package

We will follow [this guide](#).



Important considerations:

- Use **Visual Studio** or similar tool to quickly modify text files.
- The EPA section won't be used this time, to match VIM available resources for Hackfest.
- For charms, the traditional "reactive framework" will be used (migration to Python Operators Framework is pending)



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