



ONAP Usability

How To start with ONAP.

Experience from Orange OpenLab and tools used to start with ONAP for a newbie

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11/12/2018

Agenda

- Introduction
- Openlab
- Introduction to onap-tests
- Postman collections
- Demo xtesting basic_vm
- New portal
- Demo new portal
- Questions

Introduction

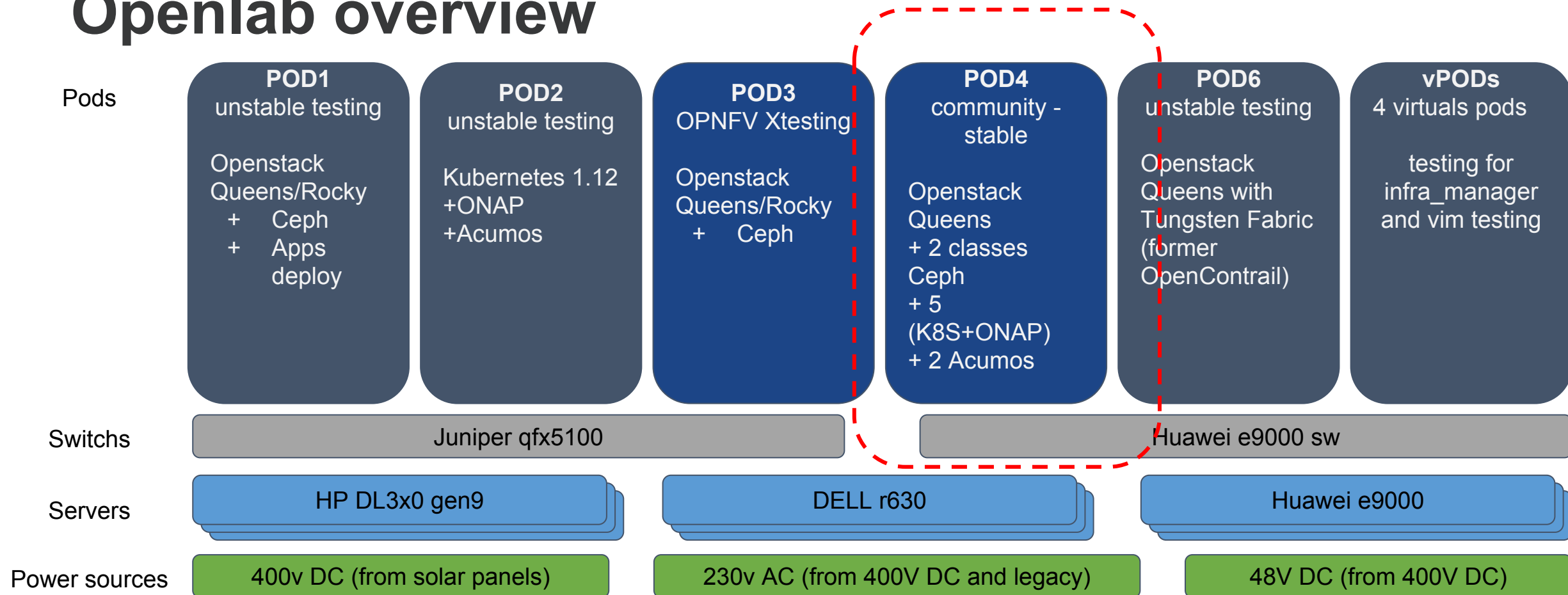
- ONAP is big and complex
 - Lots of projects
 - Lots of technologies
 - Lots of documents and videos
- Main support channels
 - Mailing list
 - Wiki
 - but no IRC for real time



How to start ...

- Install your ONAP
- Discover ONAP through the Open Lab
-

Openlab overview



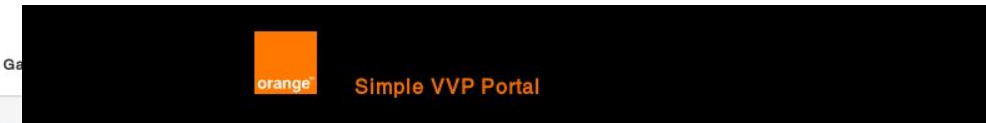
What does Openlab access mean?

- Access to a stable ONAP instance
- Access to an OpenStack tenant to test onboarding/instantiation
- Access to tools (e.g. VVP portal for ONAP VNF checks prior to onboarding)



The image shows a screenshot of the OpenStack web interface. The browser address bar shows "openstack." and "openlab-vnfs". The page title is "Instances". The table displays a list of instances with columns for "Nom de l'instance", "Nom de l'image", "Adresse IP", and "Géneré". The table contains five rows of instance data.

	Nom de l'instance	Nom de l'image	Adresse IP	Géneré
<input type="checkbox"/>	bono-0.demoexfo.vims.onap.org	ubuntu-14.04-daily	192.168.100.8	oni
<input type="checkbox"/>	vellum-0.demoexfo.vims.onap.org	ubuntu-14.04-daily	192.168.100.6	oni
<input type="checkbox"/>	dime-0.demoexfo.vims.onap.org	ubuntu-14.04-daily	192.168.100.16	oni
<input type="checkbox"/>	sprout-0.demoexfo.vims.onap.org	ubuntu-14.04-daily	192.168.100.14	onap.medium
<input type="checkbox"/>	homer-0.demoexfo.vims.onap.org	ubuntu-14.04-daily	192.168.100.12	onap.medium



Please submit heat template (yaml+env) files packed into a single zip file: No file selected.

Onap-tests

- Healthchecks are cool but not enough (can be OK and the system not working)
- Robot e2e tests are also cool
- We (In Orange) wanted to
 - better understand the data model
 - create a generic framework
 - leverage xtesting framework (consistent way to launch and manage infrastructure and orchestration tests)

Onap-tests

- Shared Postman collection
- Python module

Onap-tests: Postman



postman collection refactoring ...
René ROBERT authored 2 months ago

e3ecb38f

Name	Last commit	Last update
..		
01_Onboard_Vendor.postman_collection.json	postman collection refactoring	2 months ago
02_Onboard_VSP.postman_collection.json	postman collection refactoring	2 months ago
03_Onboard_VF.postman_collection.json	postman collection refactoring	2 months ago
04_Onboard_Service.postman_collection.json	postman collection refactoring	2 months ago
05_Declare_owningEntity_LineOfBusiness_project_...	postman collection refactoring	2 months ago
06_Declare_Customer_Service_Subscription_Cloud...	postman collection refactoring	2 months ago
10_Service Order.postman_collection.json	postman collection refactoring	2 months ago
ONAP_Openlab.postman_environment.json	postman collection refactoring	2 months ago
globals.postman_globals.json	postman collection refactoring	2 months ago

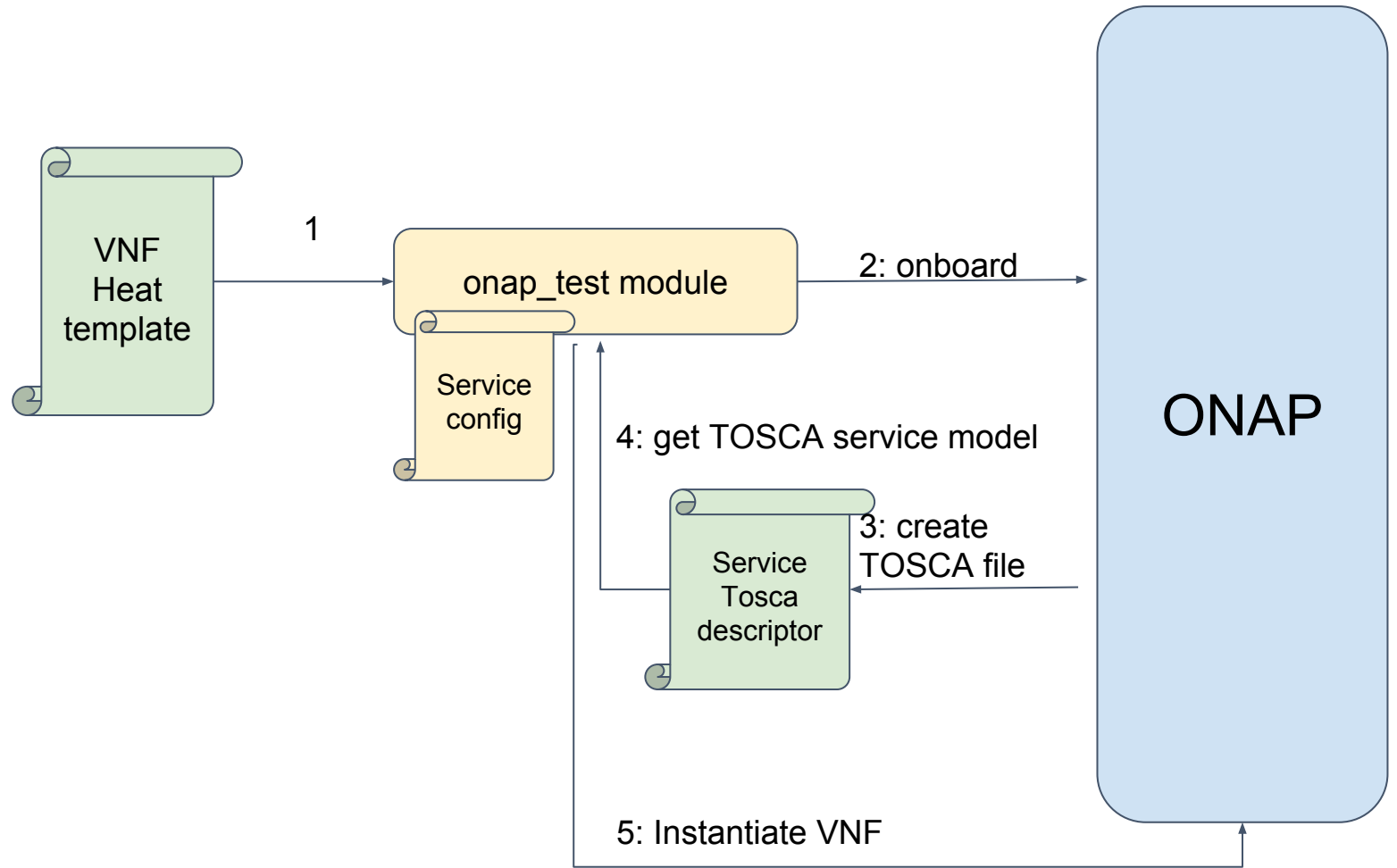
Onap-tests: PYTHON MODULE

Automatically onboard and instantiate VNFs through a set of Python scripts

```
import onap_tests.scenario.e2e as e2e
test = e2e.E2E(service_name='ubuntu16')
test.execute()
test.clean()
```

Service config: Ubuntu16

```
---
ubuntu16:
  toska_file_from_SDC:
  service-Ubuntu16-template
  version: "1.0"
  vnfs:
  - vnf_name: ubuntu16
  heat_files_to_upload: ubuntu16/ubuntu16.zip
  vnf_parameters: [<some param key/value to
  overwrite default values at preload>]
```



New-portal

- Learning portal
 - ~ VID
 - include NBI features
 - include onap-tests python module for 1 click instantiation

Home Annexe

Catalog

Network Services
(TMF633 ServiceCatalog)

Virtual Network Functions
(SDC api)

OnBoard Network Service

Upgrade Network Service

Inventory

Network Service Orders
(TMF641 ServiceOrder)

Network Service Instances
(TMF638 ServiceInventory)

VNF Instances
(AAI api)

VF modules
(AAI api)

Network Service Catalog

(TMF633 ServiceCatalog)

#	Name	Version	Category	Id	Order	Full Instantiate
1	Svc_Firewall_Nottingham	3.0	Network L4+	5811e516-950b-484b-8e21-9dca23a863de	Order	Full Instantiate
2	morgan3-vfw	1.0	Network Service	60576e3a-d4c3-4465-a18d-6b638a484306	Order	Full Instantiate
3	vFW_Pgen_Nottingham	2.0	Network Service	b4d10e32-f4a5-4af5-b33a-7d81f307fb6a	Order	Full Instantiate
4	vims2	1.0	Network Service	be16154a-7dac-471a-818a-398646473291	Order	Full Instantiate
5	vims2of	1.0	Network Service	40db53c5-8f44-41d8-85ed-481578de9fc5	Order	Full Instantiate
6	vprobe31of	1.0	Network Service	42ef1544-602d-443e-8848-40debe047f42	Order	Full Instantiate
7	Wassim-vfwservice	1.0	Network L4+	1bdd0d9-65ce-4aad-b724-bbd322f6abeb	Order	Full Instantiate
8	foo	1.0	Network Service	068ecf3b-c8cc-430d-b59a-141504b9bf07	Order	Full Instantiate
9	morgan4-vfw	1.0	Network Service	e8b15c50-f17f-4ff1-b57b-3ea882a8aac1	Order	Full Instantiate
10	vprobe31ic	1.0	Network Service	e2b7a440-5343-4d7b-8e28-48e7ce7db55e	Order	Full Instantiate



ONAP

OPEN NETWORK AUTOMATION PLATFORM

Thank
You!