

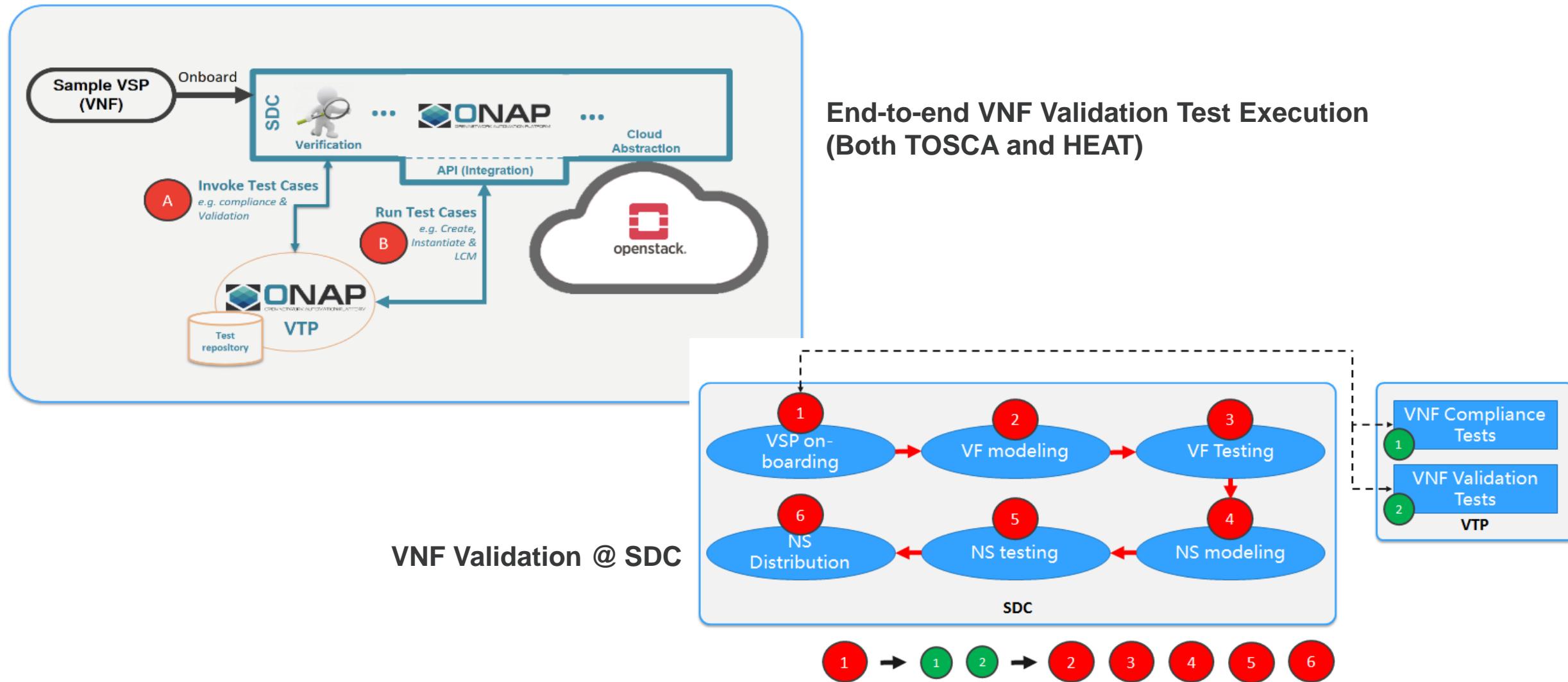


Demo: OVP Tosca VNF Validation on ONAP

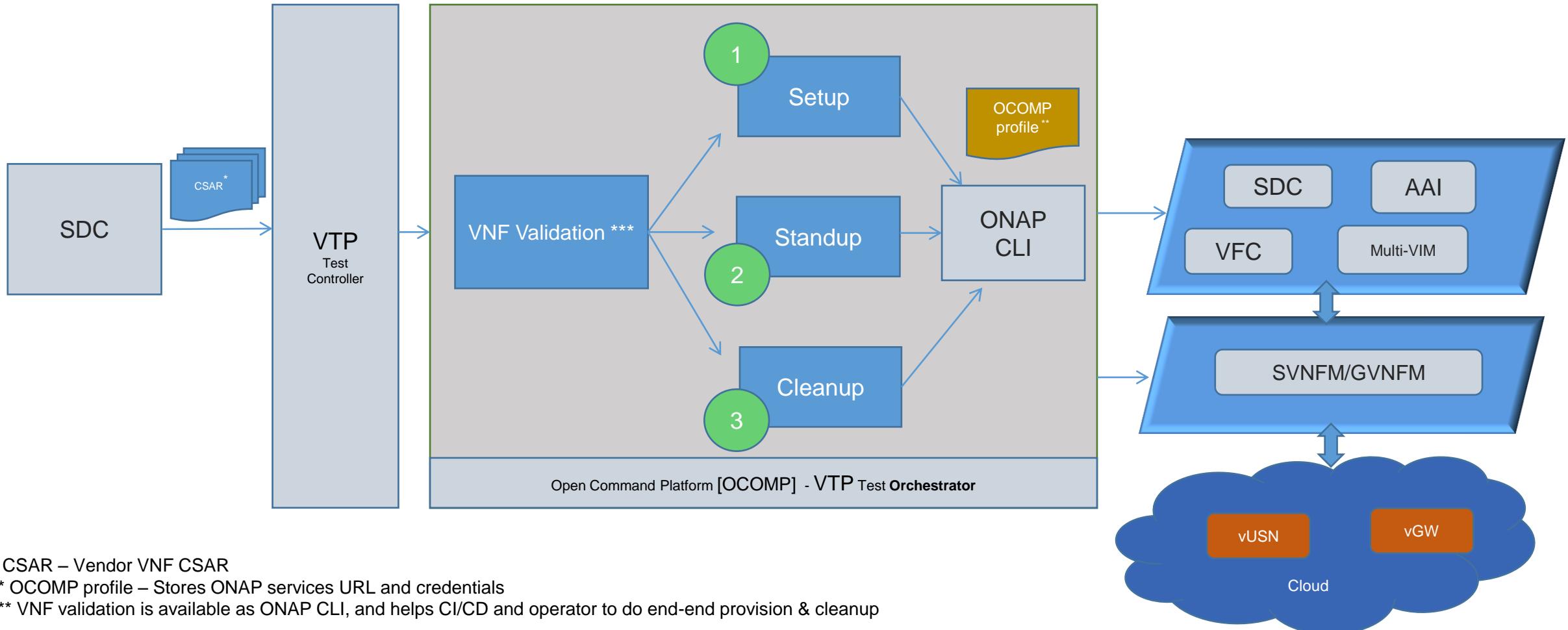
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VNF Validation Testing Strategy using ONAP



TOSCA VNF Validation Testing E2E Flow using ONAP



ONAP projects

OVP test cases

OCOMP is renamed from OCLIP

TOSCA VNF Validation Testing Steps

SDC V.1.4.1 ONBOARD > Huawei Software Products > vUSN > Validation

vUSN V 1.0 Draft Versions Page

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ONAP TOSCA VNF VALIDATION USING ONAP CLI AND OPEN COMMAND PLATFORM (OCOMP) INPUTS :

Validation

* Configuration file path: /opt/oclip/conf/vnf-tosca-provision.json

Path to the ONAP vendor service product (VSP) for the VNF to provision: Choose File vUSN.csar

Path to the TOSCA CSAR for the NS service to provision: Choose File ns.csar

* VNFM driver to use. One of gvnfmdriver or hwnfmdriver: hwnfmdriver

Existing ONAP object ids to use instead of creating them while running this task: SDC Trigger the validation testing in VTP (request-id: lcm5)

setup or standup or cleanup or provision or validate: validate

* VNF Name: vUSN

* VNF Vendor Name: huawei

timeout for command to complete given task in milliseconds: 600000

Step1: Choose and trigger validation test case

SUBMIT

lcm15 lcm15-1568462686636 onap-dublin aai customer-list onap-dublin completed 2019-09-14T12:04:46.000 2019-09-14T12:04:47.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462640537 onap-dublin sdc.onboarding vlm-create onap-dublin completed 2019-09-14T12:04:00.000 2019-09-14T12:04:01.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462836020 onap-dublin aai subscription-delete onap-dublin completed 2019-09-14T12:07:16.000 2019-09-14T12:07:16.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462728943 onap-dublin sdc.onboarding vsp-package onap-dublin completed 2019-09-14T12:05:28.000 2019-09-14T12:05:29.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462650375 onap-dublin sdc.onboarding vlm-feature-group-create onap-dublin completed 2019-09-14T12:04:10.000 2019-09-14T12:04:10.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-15684627156283 onap-dublin sdc.onboarding vsp-validate onap-dublin completed 2019-09-14T12:05:16.000 2019-09-14T12:05:17.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462706391 onap-dublin aai vnfm-list onap-dublin completed 2019-09-14T12:05:06.000 2019-09-14T12:05:06.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462832790 onap-dublin sdc.onboarding vlm-archive onap-dublin completed 2019-09-14T12:07:12.000 2019-09-14T12:07:13.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462751910 onap-dublin sdc.catalog service-model-add-vf onap-dublin completed 2019-09-14T12:05:51.000 2019-09-14T12:05:53.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462724148 onap-dublin sdc.onboarding vsp-submit onap-dublin completed 2019-09-14T12:05:24.000 2019-09-14T12:05:26.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462737036 onap-dublin sdc.catalog vf-model-add-artifact onap-dublin completed 2019-09-14T12:05:37.000 2019-09-14T12:05:38.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462680391 onap-dublin aai service-type-list onap-dublin completed 2019-09-14T12:04:40.000 2019-09-14T12:04:40.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462829647 onap-dublin sdc.onboarding vsp-archive onap-dublin completed 2019-09-14T12:07:09.000 2019-09-14T12:07:09.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462643939 onap-dublin sdc.onboarding vlm-entitlement-pool-create onap-dublin completed 2019-09-14T12:04:03.000 2019-09-14T12:04:04.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462766343 onap-dublin sdc.catalog service-model-test-request onap-dublin completed 2019-09-14T12:06:06.000 2019-09-14T12:06:08.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462771798 onap-dublin sdc.catalog service-model-test-start onap-dublin completed 2019-09-14T12:06:11.000 2019-09-14T12:06:13.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462663250 onap-dublin aai complex-test onap-dublin completed 2019-09-14T12:04:23.000 2019-09-14T12:04:23.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462846546 onap-dublin vfvc vfvc-type-delete onap-dublin completed 2019-09-14T12:07:26.000 2019-09-14T12:07:27.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462801964 onap-dublin vfvc vfvc-nslcm-instantiate onap-dublin completed 2019-09-14T12:06:41.000 2019-09-14T12:06:42.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
lcm15 lcm15-1568462673192 onap-dublin aai lcm-complex-associate onap-dublin completed 2019-09-14T12:04:33.000 2019-09-14T12:04:33.000
+-----+-----+-----+-----+-----+-----+-----+-----+-----+

创建 VNC登录 导出列表 更多 az1.dc1 所有可用分区 Manager_VPC 所有状态 请输入名称

名称	ID	状态	IP	规格	可用分区	操作
VNFD_vUSN20...	33cbdbbd-551...	运行中	-	4vCPU 28672MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	f8e11736-c67d...	运行中	-	4vCPU 28672MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	33cbdbbd-551...	运行中	4vCPU	14336MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	de55404c-9634...	运行中	-	4vCPU 14336MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	3de559bf-e7bb...	运行中	-	4vCPU 16384MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	7cd228f5-74c6-...	运行中	-	4vCPU 16384MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	c18edcfdf-cf7e...	运行中	172.28.12.117:1...	4vCPU 24576MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	88da65f1-50dd...	运行中	172.28.12.184:1...	4vCPU 24576MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	2276a4a1-fb79...	运行中	172.30.16.197:1...	8vCPU 49152MB 内存	az1.dc1	启动 更多
VNFD_vUSN20...	8942ce44-408b...	运行中	172.30.16.75:17...	8vCPU 49152MB 内存	az1.dc1	启动 更多

Step3: Check VNF in Cloud

V 1.0 Draft Versions Page

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VALIDATION RESULTS

- Test Results
- Scenario: onap-dublin | Title: Create feature group Pool | Test Case: vlm-feature-group-create | Status: completed
- Scenario: onap-dublin | Title: Submit Vendor License Model | Test Case: vlm-submit | Status: completed
- Scenario: onap-dublin | Title: Create Vendor Software Product | Test Case: vsp-create | Status: completed
- Scenario: onap-dublin | Title: Unknown | Test Case: vnfm-list | Status: completed
- Scenario: onap-dublin | Title: Create a cloud region in Onap | Test Case: vlm-create | Status: completed
- Scenario: onap-dublin | Title: Register a VNFM in Onap | Test Case: vnfm-create | Status: completed
- Scenario: onap-dublin | Title: Unknown | Test Case: customer-list | Status: completed
- Scenario: onap-dublin | Title: Add a artifact to a Virtual function | Test Case: vf-model-add-artifact | Status: completed
- Scenario: onap-dublin | Title: Create License Model | Test Case: vlm-create | Status: completed
- Scenario: onap-dublin | Title: Create a cloud region in Onap | Test Case: cloud-create | Status: completed
- Scenario: onap-dublin | Title: Create Entitlement Pool | Test Case: vlm-entitlement-pool-create | Status: completed
- Scenario: onap-dublin | Title: Create a tenant under given cloud region in Onap | Test Case: tenant-create | Status: completed
- Scenario: onap-dublin | Title: Add a service type in Onap | Test Case: service-type-create | Status: completed
- Scenario: onap-dublin | Title: Package Vendor Software Product | Test Case: vsp-package | Status: completed
- Scenario: onap-dublin | Title: Create a customer in Onap | Test Case: customer-create | Status: completed
- Scenario: onap-dublin | Title: Lists the subscription for a given customer in Onap | Test Case: subscription-list | Status: completed

Step4: Monitor validation execution in SDC

THE LINUX FOUNDATION OPEN NETWORK AUTOMATION PLATFORM

Demo: TOSCA VNF Validation Testing

← → C ▲ Not secure | 172.30.15.194:543/tenant/src/index.html#/home

FusionSphere openstack Home Resources VPC Application Monitoring Users Manager_VDC service_admin ?

Home

My VDC

Resource	Usage	Total	Used	Available
vCPUs	--	Not limited	6	Not limited
Memory	--	Not limited	24576 MB	Not limited
Shared Storage	--	Not limited	0 GB	Not limited
Elastic IP Addresses	--	Not limited	0	Not limited
VPCs	--	Not limited	1	Not limited
VMs	--	Not limited	1	Not limited

VM Statistics

Total Created: 1 Available for Creation: Not limited (4 vCPU, 8 GB Memory) [Change Specs](#)



Total Created: 1
Available for Creation: Not limited

My VPC az1.dc1 Manager_VPC Updated At: 2019-09-18 11:32:09 [Update](#)

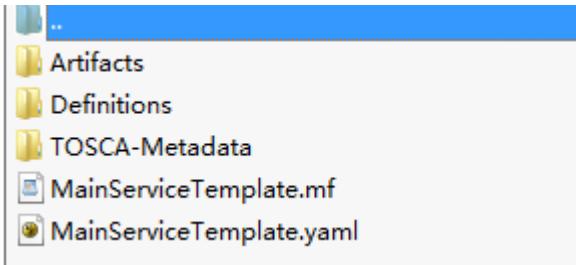
VMs Disks

1 0

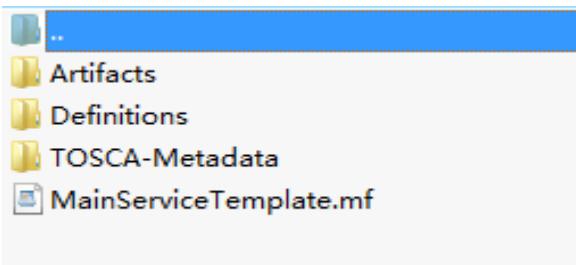
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Demo: TOSCA VNF Validation Exception

Normal CSAR structure



Modify CSAR structure



A screenshot of the ONAP SDC application interface. The title bar shows the URL https://portal.api.simpledemo.org:30225/ONAPPORTAL/applicationsHome. The main area displays the WORKSPACE tab under the SDC v.1.4.1 tab. The left sidebar shows sections for ENTITY TYPE (VSP, VLM), PERMISSIONS (Owner, Contributor), and ONBOARDING PROCEDURE (Network Package, Manual). The workspace lists several entities:

Type	Name	Owner
VLM	Huawei-01-OVcQlQoz	Owner - cs0008
VLM	Huawei-APVOISVG	Owner - cs0008
VLM	Huawei-LcjFl3t3	Owner - cs0008
VLM	Huawei-SWpARDEl	Owner - cs0008
VSP	Huawei_VUSN	Owner - cs0008
VSP	Onap_Vsp	Owner - cs0008

More Info

Tosca VNF validation

<https://wiki.lfnetworking.org/display/LN/TOSCA+VNF+Validation+Planning>

Thank you !