Running the ONAP Demos

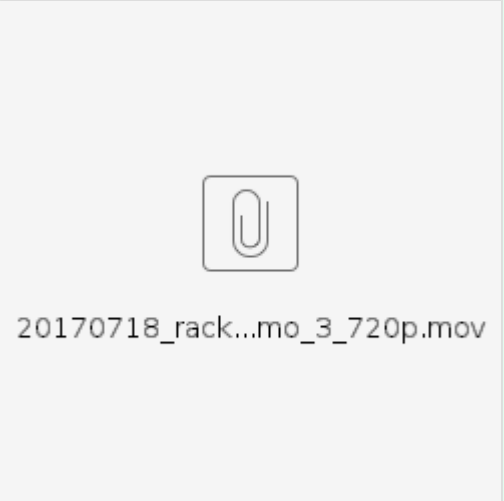
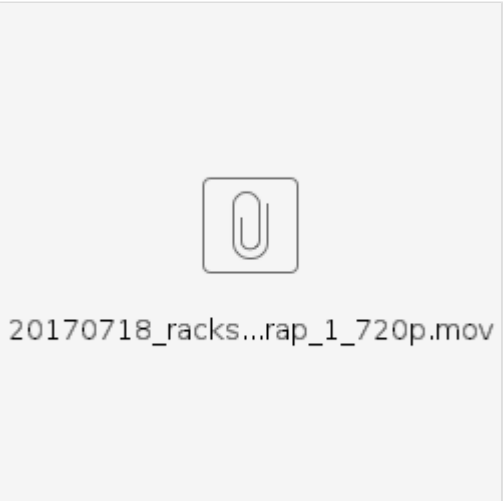
- ONAP Deployment Videos
- VNF Onboarding, Instantiation, and Closed-loop Operations
- ONAP VF Templates
- Quickstart Instructions
    - User workflow

see also running vFW Demo on ONAP Amsterdam Release

see F2F vetted/merged/collaborated rewrite on Vetted vFirewall Demo - Full draft how-to for F2F and ReadTheDocs

see als vFWCL instantiation, testing, and debuging

ONAP Deployment Videos

ONAP Version	Undercloud	Description	Video
1.1 R1 Nov 2017	Openstack OPEN-LAB	End to End vFirewall from SDC to Closed Loop testing	Pending upload Nov 2017 by Integration team for R1 INT-333 - Getting issue details... STATUS
1.0.0 pre Aug 2017	Rackspace vFirewall E2E	**3 - 1.6G 32min 17:11-17:43 (Run vFirewall demo including closed-loop DMaaP TCA/Measurement stats)** *(there is a swap of the vLB during onboarding that only affects the service icon - both vLB and vFW are layer 4)*	
1.0.0 pre Aug 2017	Rackspace ONAP installation (before DCAE)	1 - 2.2G 23min 16:33-16:57 (bootstrap rackspace ONAP VMs - before 5 DCAE boot up)	

1.0.0 pre Aug 2017	Rackspace ONAP installation (DCAE 1.0)	2 - 1.2G 10min 17:00-17:10 (Observe 5 DCAE VMs come up - wait for ONAP to be stable) - only for timing - does not show much! DCAE 1.0.0 takes up to 26 min to get the dcae-controller docker container up and another 7 min to start orchestration of the cdap cluster check progress by watching the dcae-controller "docker ps" - the collector instance is first to come up, pstg may take up to 24 min after container start and 48 min after VM start, cdap02 is last	
1.1.0 Oct 2017	OOM Kubernetes on Rancher on EC2	 	
1.0.0	OOM Kubernetes on Rancher on Openstack	Mike's presentation where the vFirewall comes up - ONAP Operations Manager Project#DemoVideo see min TDB OOM User Guide ONAP on Kubernetes	https://wiki.onap.org/download/attachments/13598723/zoom_0.mp4?version=1&modificationDate=1502986268000&api=v2

VNF Onboarding, Instantiation, and Closed-loop Operations

ONAP Version	Operation	Description	Video
Amsterdam Release Nov 2017 (still good for Beijing Release)	VNF Onboarding via SDC	Step-by-step presentation that illustrates how to onboard a VNF via SDC and create a new service	
Amsterdam Release Nov 2017 (still good for Beijing Release)	vFirewall closed loop	Step-by-step presentation that illustrates how to run closed-loop operations for the vFW use case. 	

vfw_preload_beijing.txt

vpacketgen_preload_beijing.txt

vFW.zip

		vPKTGEN.zip	
Amsterdam Release Nov 2017 (still good for Beijing Release)	vLoadBalancer/vDNS closed loop	Step-by-step presentation that illustrates how to run closed-loop operations for the vLB/vDNS use case sdnc_preload_vlb.txt vLB.zip	vLB_closed_loop.mp4

		vdns_scaling_preload_beijing.txt vlb_preload_beijing.txt	
Amsterdam Release	vCPE demo	Video that shows vCPE closed loop	vCPE_closed_loop.mp4
Amsterdam Release Nov 2017 Alexis	vFirewall closed loop / Vanilla Openstack Private Cloud	Step-by-step presentation of vFW use case and closed-loop operations on a Vanilla Openstack (Newton) private cloud; service and VNF instantiated with SO APIs.	

SO-APIs.txt

vFW_Closed_Loop_SO_API.mp4

service-Demo7vf...cl-template.yml

preload.txt

APP-C mount.txt

vFWCL_robot_heat.zip

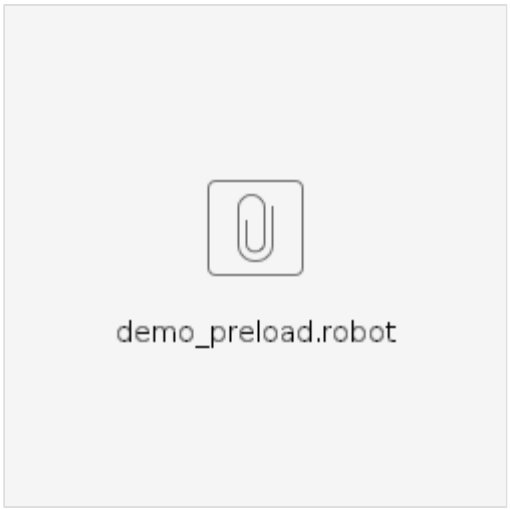
OpenstackManager.py

		service_mappings.py demo_preload.robot	
Amsterdam Release Nov 2017 Alexis	vLB/DNS closed loop / Vanilla Openstack Private Cloud	Step-by-step presentation of vLB/DNS use case and closed-loop operations on a Vanilla Openstack (Newton) private cloud; service and VNF instantiated with SO APIs. SO-APIs.txt	vLB_vDNS_Close...oop_SO_API.mp4

preload.txt

vLB-robot-heat.zip

service-Demo13vlb-template.yml

ONAP VF Templates

Release	Artifact	References	Description

1.0.0/R1	**vFirewall VF Heat Template**
	
	vFW_100_20170608.zip
		`Example zip on reference page`
		
		`or build your own zip with a manifest.json`
		https://nexus.onap.org/content/sites/raw/org.openecomp.demo/heat/vFW/1.0.0/base_vfw.env
		
		https://nexus.onap.org/content/sites/raw/org.openecomp.demo/heat/vFW/1.0.0/base_vfw.env
		
		containing the repo
		
		https://nexus.onap.org/content/sites/raw/org.openecomp.demo/vnfs/vfw/1.0.0-SNAPSHOT
			vFirewall heat template zips

1.0.0	vFirewall SSH key	/testsuite/robot/assets/keys/robot_ssh_private_key.pvt	ssh key for the demo instances (fwl, sink, traffic generator)

Quickstart Instructions

(The following are a short form of the full demo instructions)

User workflow

Duration: 5 min until robot init/preload - 10 min after that.

Tutorial: Verifying and Observing a deployed Service Instance#vFirewallFlow

Optional

R1.0.0

License Model

as cs on SDC onboard | new license model | license key groups (network wide / Universal) | Entitlement pools (network wide / absolute 100 / CPU / 000001 / Other tbd / Month) | Feature Groups (123456) | Available Entitlement Pools (push right) | License Agreements | Add license agreement (unlimited) - push right / save / check-in / submit | Onboard breadcrumb

VF

Onboard | new Vendor (not Virtual) Software Product (FWL App L4+) - select network package not manual checkbox | select LA (Lversion 1, LA, then FG) save | upload zip | proceed to validation | checkin | submit

Onboard home | drop vendor software prod repo on "top right" | select, import vsp | create | icon | submit for testing

Distributing

as jm | start testing | accept

as cs | sdc home | see firewall | add service | cat=l4, 123456 create | icon | composition, expand left app L4 - drag both vsps | submit for testing

as jm | start testing | accept

as gv | approve

as op | distribute

R1

License Model

as cs on SDC onboard | new license model | license key groups (network wide / Universal) | Entitlement pools (network wide / absolute 100 / CPU / 000001 / Other tbd / Month) | Feature Groups (123456) | Available Entitlement Pools (push right) | License Agreements | Add license agreement (unlimited) - push right / save / check-in / submit | Onboard breadcrumb

VF

Onboard | new Vendor (not Virtual) Software Product (FWL App L4+) - | select network package not manual checkbox | select LA (Lversion 1, LA, then FG) - ignore warning - save | upload vFWSink attachments zip proceed to validation | checkin | submit | 2nd VSP - same above expept vFWPG.zip | proceed validation, checkin submit |

Onboard home | drop vendor software prod repo on "top right" | select, import vsp | create | icon | submit for testing - do twice for each vFWSNK, vFWPG

Distributing

as jm | start testing | accept - for both vFWSNK, vFWPG

as cs | sdc home | see firewall | add service | cat=l4, 123456 create | icon | composition, expand left app L4 - drag both vsps | submit for testing

as jm | start testing | accept

as gv | approve

as op | distribute | monitor

Robot operations

./demo.sh init_robot

see

http://amsterdam.onap.info:30209/

http://amsterdam.onap.info:30209/logs/

example health check results

http://amsterdam.onap.info:30209/logs/ETE_11778/report.html

./demo.sh init (verify cloud-region in AAI set)

todo: incorporate https://lists.onap.org/pipermail/onap-discuss/2017-November/006401.html

todo: add "cli" alternatives to gui/rest commands - http://portal.api.simpledemo.onap.org:9090/

- Tutorial: Accessing the ONAP Portal
- (Optional) Tutorial: Onboarding and Distributing a Vendor Software Product (VSP)
  - Creating a Licensing Model
  - Creating a Virtual Function (VF)
  - Distributing a Vendor Software Product (VSP)
- Tutorial: Creating a Service Instance from a Design Model
  - Prepare A&AI to run with artifacts_version 1.1.0-SNAPSHOT and docker_version 1.0-STAGING-latest
  - Prepare VID to run with artifacts_version 1.1.0-SNAPSHOT and docker_version 1.0-STAGING-latest
  - Run demo.sh on vanilla Openstack
  - Using Robot Command Line
    - Robot Load Test Utility
- Tutorial: Verifying and Observing a deployed Service Instance
- Tutorial: Demo Environment Restore
- Vetted vFirewall Demo - Full draft how-to for F2F and ReadTheDocs
  - Downloads for vnc-portal
  - OOM Infrastructure Setup - VIO 4.0 Kubernetes
  - vFWCL instantiation, testing, and debuging
- Hands On Demo Sessions
- Running ONAP Demos on Azure
  - Pre-requisites to Instantiate VNF on Azure
  - Source Code access
  - vDNS on Azure
  - vFW on Azure
- Tutorial: Step by step guide to run vFirewall Closed Loop Demo
- vFW CDS Casablanca
  - Video Demo for vFW CDS Casablanca
- vDNS CDS Dublin
  - E2E Automation vDNS w/CDS Use Case
    - E2E Automation vDNS & vFW w/ CDS Use Case - ONAP-01-Installation-Required Component
    - E2E Automation vDNS w/ CDS Use Case - ONAP-02-Design Time
    - E2E Automation vDNS w/ CDS Use Case - ONAP-03-Run Time- Video Demo for vDNS CDS Dublin
      - CDS Runtime Swimlane Diagram
  - Scale Out vDNS w/CDS Use Case
    - Scale Out vDNS w/CDS - ONAP Design Time
    - Scale Out vDNS w/CDS - ONAP Run Time
- vLB CDS El Alto
  - E2E Automation vLB w/CDS Use Case (El Alto)
    - E2E Automation vLB & vFW w/ CDS Use Case - ONAP-01-Installation-Required Component (El Alto)
    - E2E Automation vLB w/ CDS Use Case - ONAP-02-Design Time (El Alto)
    - E2E Automation vLB w/ CDS Use Case - ONAP-03-Run Time- Video Demo (El Alto)
      - CDS Runtime Swimlane Diagram (El Alto)
  - Scale Out vLB w/CDS Use Case (El Alto)
- vLB CDS Frankfurt
  - E2E Automation vLB w/CDS Use Case (Frankfurt)
    - E2E Automation vLB & vFW w/ CDS Use Case - ONAP-01-Installation-Required Component (Frankfurt)
    - E2E Automation vLB w/ CDS Use Case - ONAP-02-Design Time (Frankfurt)
    - E2E Automation vLB w/ CDS Use Case - ONAP-03-Run Time- Video Demo (Frankfurt)
      - Frankfurt CDS Runtime Swimlane Diagram (Frankfurt)
  - Scale Out vLB w/CDS Use Case (Frankfurt)
- vFW CDS Dublin
  - E2E Automation vFW w/CDS Use Case
    - E2E Automation vFW w/ CDS Use Case - ONAP-02-Design Time
    - E2E Automation vFW w/ CDS Use Case - ONAP-03-Run Time- Video Demo for vDNS CDS Dublin