vCPE(tosca) with HPA - Integration test cases

Category: External System Registration

WindRiver OpenStack VIM Registration

Test Case ID	T101
Test Case Name	WindRiver OpenStack VIM Registration
Description	WindRiver OpenStack VIM Registration
Release	Dublin
Preconditions	1. The WindRiver OpenStack VIM is configured with tenant information and provider networks 2. The WindRiver OpenStack VIM services (console, auth, neutron, image, glance, etc) are accessible from ONAP by IP 3. Create flavor onap.hpa.flavor1 and aggregate *$* openstack *aggregate create --property aggregate_instance_extra_specs:sriov_nic=sriov-nic-intel-1234-5678-physnet1:1 aggr11* *$ openstack flavor create onap.hpa.flavor1 --id auto --ram 512 --disk 40 --vcpus 4* *$ openstack flavor set onap.hpa.flavor1 --property aggregate_instance_extra_specs:sriov_nic=sriov-nic-intel-1234-5678-physnet1:1*

Testing Steps	Use CLI command to add the above info.
	
	# Create complex
	$ oclip complex-create \
	-j <street2> -r <physical_location> -x <complex_name> \
	-y <data_center_code> -lt <latitude> -l <region> \
	-i <street1> -lo <longitude> -S <state> \
	-la <lata> -g <city> -w <postal-code> \
	-z <complex_name> -k <country> -o <elevation> \
	-q <identity_url> -m <aai_url> -u <aai_username> -p <aai_password>
	
	# Create cloud
	$ oclip cloud-create -e <esr-system-info-id> -b <user-name> -I <cloud-region>
	\
	-x <cloud-owner> -y <cloud-region> -j <password> \
	
	-w <cloud-region-version> -l <default-tenant> -url <service-url> \
	-n <complex_name> -q <cloud-type> -r <owner-defined-type> \
	-Q <system-type> -i <identity-url> -g <cloud-zone> \
	-z <ssl-insecure> -k <system-status> -c <cloud-domain> \
	-m <aai_url> -u <aai_username> -p <aai_password>
	
	# Associate Cloud with complex
	
	oclip complex-associate -x <complex_name> -y <cloud-region> -z <cloud-owner> -m <aai_url> -u <aai_username> -p <aai_password>
	
	# Register Cloud with Multicloud
	
	$ oclip multicloud-register-cloud -x <cloud-region> -y <cloud-owner> -m http://<ip>:<port>

Expected Results	1. VIM is registered successfully 2. Tenant authentication information is stored correctly
Actual Results	All information stored in AAI.
Conclusion (Pass /Fail)	Pass
Testing Lab	Integration Lab - VFC tenant

Tester Name	Haibin Huang

GVNFM Registration

Test Case ID	T102
Test Case Name	GVNFM Registration
Description	Register GVNFM to AAI, VFC can use the GVNFM
Release	Dublin
Preconditions	We can access GVNFMDRIVER
Testing Steps	1. Use CLI command to add the above info.
Expected Results	1. VIM is registered successfully 2. Tenant authentication information is stored correctly
Actual Results	All information stored in AAI.
Conclusion (Pass/Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

Category: VNF Onboarding and Service Design

vCPE VNFs Onboarding in SDC

Test Case ID	T201
Test Case Name	vCPE VNFs Onboarding
Description	onboard vInfra, vBRG, vBNG, vGMux, vGW
Release	Dublin
Preconditions	1. All TOSCA templates are ready 2. VNF license has been created
Testing Steps	1. Use SDC to import, test and certify the following VNF templates, including both yaml and env files: vDHCP, vAAA, vDNS, WebServer, vBRG, vBNG, vGMux, vG
Expected Results	1. All VNFs are onboarded successfully
Actual Results	
Conclusion (Pass /Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

vCPE Service Design in SDC

Test Case ID	T202
Test Case Name	vCPE Service Design

Description	vCPE Service Design
Release	Dublin
Preconditions	All VNFs have been boarded
Testing Steps	
Expected Results	Service creation successfully
Actual Results	
Conclusion (Pass/Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

vCPE VNFs and Service distribution in SDC

Test Case ID	T203
Test Case Name	vCPE VNFs and Service distribution
Description	vCPE VNFs and Service distribution
Release	Dublin
Preconditions	1. All VNFs have been boarded 2. Service has been created
Testing Steps	
Expected Results	We can see Service and VNF in UUI portal
Actual Results	
Conclusion (Pass/Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

Category: Service Create, Instantiation and Termination

vCPE VNFs Onboarding in VFC

Test Case ID	T301
Test Case Name	vCPE VNFs Onboarding
Description	Parse vInfra, vBRG, vBNG, vGMux, vGW and store data to VF-C catalog
Release	Dublin
Preconditions	1. All TOSCA templates are ready 2. VNF license has been created
Testing Steps	1. Use SDC to import, test and certify the following VNF templates, including both yaml and env files: vDHCP, vAAA, vDNS, WebServer, vBRG, vBNG, vGMux, vG
Expected Results	1. All VNFs are onboarded successfully

Actual Results	
Conclusion (Pass /Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

vCPE Service Onboarding in VFC

Test Case ID	T302
Test Case Name	vCPE VNFs Onboarding
Description	Parse Service and store data to VF-C catalog
Release	Dublin
Preconditions	1. All TOSCA templates are ready 2. VNF license has been created
Testing Steps	1. Use SDC to import, test and certify the following VNF templates, including both yaml and env files: vDHCP, vAAA, vDNS, WebServer, vBRG, vBNG, vGMux, vG
Expected Results	1. All VNFs are onboarded successfully
Actual Results	
Conclusion (Pass /Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

vCPE Service Creation

Test Case ID	T303
Test Case Name	vCPE Service Creation
Description	This creates vCPE service
Release	Dublin
Preconditions	We can see Service and VNF in UUI portal
Testing Steps	Use CLI command
Expected Results	Service is created successfully and stored in the catalog
Actual Results	
Conclusion (Pass/Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

vCPE Service Instantiation

Test Case ID	T304
Test Case Name	vCPE Service Instantiation

Description	This test covers the customer service instantiation process, including vBRG emulator and vG and the related configuration.
Release	Dublin
Preconditions	1. vCPE services have been created 2. vCPE infrastructure service has been instantiated
Testing Steps	1. Use CLI command
Expected Results	1. vDHCP, vAAA, vDNS, WebServer, vBRG, vBNG, vGMux, vG are up and running 2. ONAP user can access the web server
Actual Results	
Conclusion (Pass/Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang

vCPE Service Termination

Test Case ID	T305
Test Case Name	vCPE Service Termination
Description	This test covers vCPE service termination process
Release	Dublin
Preconditions	vCPE service is created
Testing Steps	1. Use CLI command
Expected Results	1. All vCPE VNFs and VLs are removed
Actual Results	
Conclusion (Pass/Fail)	Pass
Testing Lab	Integration Lab - VFC tenant
Tester Name	Haibin Huang