Test Report for VPNaaS Fuel Plugin 1.1.0 tag 1.1.0

Revision history

Version	Revision date	Editor	Comment
1.0	21.01.2015	Kristina Kuznetsova (kkuznetsova@mirantis.com)	Created the test report
1.1	24.06.2015	Kristina Kuznetsova (kkuznetsova@mirantis.com)	Add information about environments and coverage
1.2	29.06.2015	Kristina Kuznetsova (kkuznetsova@mirantis.com)	Add results for system tests

Document purpose

This document provides test run results for *functional testing* of *VPNaaS* Fuel Plugin *1.1.0* on Mirantis OpenStack *6.1*.

Test environment

All tests were executed on the next environments with 3 controllers and 1 compute with installed VPNaaS plugin (the way how to deploy is usual): neutron + vlan + ubuntu, neutron + vlan + centos, neutron + gre + ubuntu, neutron + gre + centos. Other recommendation you can see in the test cases. All tests run in CLI (using bash-scripts) and in Horizon (except TC 020 - TC 022).

Test coverage and metrics

Test coverage is about 40%

Functional testing

Coverage of features

Parameter	Value
Total quantity of executed test cases	19
Total quantity of not executed test cases	0
Quantity of automated test cases	0
Quantity of not automated test cases	19

Detailed test run results

#	Test case name	Passed	Failed	Skipped	Comment
1	TC 001: Ability to create IKE Policy, rename, edit and delete it	✓			
2	TC 002: Ability to create IPSec Policy, rename, edit and delete it	✓			
3	TC 003: Ability to create VPN Service and delete it	✓			
4	TC 004: Ability to create IPSec Site Connections and delete it	✓			

5	TC 005: Configure VPNaaS with default parameters between two tenants as admin user, rename and edit ipsec site connection edit	✓			
6	TC 006: Configure VPNaaS with default parameters between two tenants as non-admin user	✓			
7	TC 007: Configure VPNaaS with non-default parameters between two clouds: IKE Policy with encryption algorithm 'aes128' and IPSec Policy with encryption algorithm 'aes192'	✓			
8	TC 008: Configure VPNaaS with non-default parameters: IKE Policy with Perfect Forward Secrecy "group14" and with encryption algorithm '3des' and IPSec Policy with encryption algorithm 'aes256'	✓			
9	TC 009: Configure VPNaaS with non-default parameters: IKE/IPSec with 'aes256' encryption algorithm	✓			
10	TC 010: Configure VPNaaS with non-default parameters: IKE/IPSec with '3des' encryption algorithm	✓			
11	TC 011: Configure VPNaaS with non-default parameters between two clouds: IKE Policy with Perfect Forward Secrecy "group2" and with encryption algorithm 'aes192' and IPSec Policy with encryption algorithm 'aes128'	✓			
12	TC 012: Configure VPNaaS with non-default parameters: IKE Policy with encryption algorithm 'aes128' and IKE version 'v2', IPSec Policy with encryption algorithm 'aes192'	✓			
13	TC 013: Configure VPNaaS with non-default parameters: IKE Policy with encryption algorithm '3des',	✓			

	IPSec Policy with encryption algorithm 'aes192'				
14	TC 014: Configure VPNaaS with non-default parameters: IKE Policy with encryption algorithm '3des', IPSec Policy with encryption algorithm 'aes192' and Transform Protocol ah	✓			
15	TC 015: Re-configure VPN connection between two tenants	✓			
16	TC 016: Configure VPNaaS with non-default parameters: IKE Policy with encryption algorithm 'aes256' and IPSec Policy with encryption algorithm 'aes128' and with Perfect Forward Secrecy "group14"	✓			
17	TC 017: Configure VPNaaS with non-default parameters: IKE Policy with encryption algorithm 'aes192' and IPSec Policy with encryption algorithm 'aes256' and with Perfect Forward Secrecy "group2"	✓			
18	TC 018: Negative: Configure VPNaaS with different Pre-Shared Key (PSK) string	✓			
19	TC 019: Configure VPNaaS with default parameters between ubuntu and centos cloud as admin user	✓			
Total		19			
Total , %		100			

Destructive testing

Coverage of features

Parameter	Value
Total quantity of executed test cases	3
Total quantity of not executed test cases	0
Quantity of automated test cases	0
Quantity of not automated test cases	3

Detailed test run results

#	Test case name	Passed	Failed	Skipped	Comment
1	TC 020: Configure VPNaaS with default parameters between two tenants as admin user and ban p_neutron-vpn-agent	✓			
2	TC 021: Configure VPNaaS with default parameters between two tenants as admin user and destroy(shut down) primary controller	✓			
3	TC 022: Configure VPNaaS with default parameters between two tenants as admin user and reset primary controller	✓			
Total		3			
Total , %		100			

System testing

Coverage of features

Parameter	Value

Total quantity of executed test cases	5
Total quantity of not executed test cases	0
Quantity of automated test cases	0
Quantity of not automated test cases	5

Detailed test run results

#	Test case name	Passed	Failed	Skipped	Comment
1	TC 023: Install plugin and deploy environment	✓			
2	TC 024: Modifying env with enabled plugin (removing/adding controller nodes)	✓			
3	TC 025: Modifying env with enabled plugin (removing/adding compute node)	✓			
4	TC 023: Uninstall of plugin	✓			
5	TC 024: Negative: Uninstall of plugin with deployed env	✓			
Total		5			
Total , %		100			