

Test Report for FWaaS

Fuel Plugin 1.0.0 tag 1.0.0

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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, add results for destructive tests

Document purpose

This document provides test run results for *functional testing* of FWaaS Fuel Plugin 1.0.0 on Mirantis OpenStack 6.1.

Test environment

All tests were executed on the next environments with 3 controllers and 1 compute with installed FWaaS 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 013 - TC 018).

Test coverage and metrics

For test coverage was used [scripts](#). It is 64%

Test results summary

Functional testing

Coverage of features

Parameter	Value
Total quantity of executed test cases	16

Total quantity of not executed test cases	0
Quantity of automated test cases	0
Quantity of not automated test cases	16

Detailed test run results

#	Test case name	Passed	Failed	Skipped	Comment
1	TC 001: Ability to create firewall rule, rename, edit, share and delete it	✓			
2	TC 002: Ability to create firewall policy, rename, remove rule from the policy, add rule before and after already added rules in the policy, share and delete it	✓			
3	TC 003: Ability to create firewall, rename, change policy and delete	✓			
4	TC 004: Create icmp firewall to allow ping VM (in admin tenant) from your computer	✓			
5	TC 005: Create firewall to allow ping only your computer from VM (in admin tenant)	✓			
6	TC 006: Create firewall to allow any protocol (icmp, tcp, udp) between your computer and VM (in admin tenant)	✓			
7	TC 007: Create firewall to allow icmp traffic from VM (in admin tenant)	✓			
8	TC 008: Create icmp firewall for tenant except your computer network	✓			

9	TC 009: Create icmp firewall for tenant except one VM	✓			
10	TC 010: Allow tcp firewall for tenant for one port	✓			
11	TC 011: Allow udp firewall for tenant for all ports except one	✓			
12	TC 0012: Create firewall policy in non admin tenant with shared from admin tenant policy	✓			
13	TC 013: Negative: Create firewall with empty policy	✓			
14	TC 014: Negative: Create 2 firewalls	✓			
15	TC 015: Delete policy which is used in the firewall	✓			
16	TC 016: Delete rule which is used in the policy	✓			
Total		16			
Total , %		100			

Destructive testing

Coverage of features

Parameter	Value
Total quantity of executed test cases	2
Total quantity of not executed test cases	0
Quantity of automated test cases	0

Quantity of not automated test cases	2
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Detailed test run results

#	Test case name	Passed	Failed	Skipped	Comment
1	TC 017: Destroy primary controller	✓			
2	TC 018: Reset primary controller	✓			
Total		2			
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 019: Install plugin and deploy environment	✓			

2	TC 020: Modifying env with enabled plugin (removing/adding controller nodes)	✓			
3	TC 021: Modifying env with enabled plugin (removing/adding compute node)	✓			
4	TC 022: Uninstall of plugin	✓			
5	TC 023: Negative: Uninstall of plugin with deployed env	✓			
Total		5			
Total , %		100			