VM-Series Firewall for OpenStack Heat Templates Release Notes

Revision Date: October 9, 2017

Review important information about what's new in the VM-Series firewall for OpenStack Heat templates for service chaining and service scaling.

What's New

The OpenStack Heat Orchestration template (HOT) allows you to deploy the VM-Series firewall on the KVM hypervisor running on a compute node in your OpenStack environment as a basic gateway or with service chaining or service scaling. The Heat template for the basic gateway deploys a VM-Series firewall and a Linux server, which you can use to verify that the firewall is securing a back end web server. The service chaining and service scaling Heat templates deploy a VM-Series firewall instance and two Linux servers to verify that the firewall is securing traffic between them. To deploy the solution, download the following files from GitHub:

- Basic Gateway
    - **pan_basic_gw.yaml**—Heat template to deploy the VM-Series firewall and a Linux server.
    - **pan_basic_gw_env.yaml**—Heat template environment file.
    - **init-cfg.txt** and **bootstrap.xml**—Bootstrap files to deploy the VM-Series firewall with basic configuration.
- Service Chaining in vwire mode
    - **Service_Chaining_template_vw.yaml**—Heat template to deploy the VM-Series firewall in vwire mode and two Linux servers.
    - **Service_Chaining_env_vw.yaml**—Heat template environment file.
    - **init-cfg.txt** and **bootstrap.xml**—Bootstrap files to deploy the VM-Series firewall with basic configuration.
- Service Chaining in L3 mode
    - **Service_Chaining_template_L3.yaml**—Heat template to deploy the VM-Series firewall in L3 mode and two Linux servers.
    - **Service_Chaining_env_L3.yaml**—Heat template environment file.
    - **init-cfg.txt** and **bootstrap.xml**—Bootstrap files to deploy the VM-Series firewall with basic configuration.
- Service Scaling
    - **Service_scaling_template.yaml**—Heat template to deploy the VM-Series firewall in L3 mode and two Linux servers.
    - **Service_scaling_env.yaml**—Heat template environment file.
    - **Service_instance.yaml**—A nested heat template file that provides the service instance parameters. The heat template file references this nested file to deploy each service instance.
    - **init-cfg.txt** and **bootstrap.xml**—Bootstrap files to deploy the VM-Series firewall with basic configuration.

The VM-Series firewall for OpenStack supports PAN-OS 7.1.12 or later and PAN-OS 8.0 or later. For more information on deploying the VM-Series firewall on OpenStack, see the 7.1 or 8.0 VM-Series Deployment Guide.

Known Issues

The following list describes known issues in the Heat templates for the VM-Series firewall for OpenStack.

Issue ID	Description
HYPI-79	Celiometer alarm and actions are not consistent with reported meter data causing auto scaling events to occur unexpectedly.
HYPI-67	Although traffic is distributed evenly across instances, the autoscaling group causes launches new firewall instances (up to the maximum limit) while the first instance is under load.

Getting Help

▲ Related Documentation

▲ Requesting Support

Related Documentation

Refer to the following 7.1 documentation on the Technical Documentation portal or search the documentation for more information on our products:

- 7.1 PAN-OS Administrator's Guide—Provides the concepts and solutions to get the most out of your Palo Alto Networks next-generation firewalls. This includes taking you through the initial configuration and basic set up on your Palo Alto Networks firewalls.

- 7.1 Panorama Administrator's Guide—Provides the basic framework to quickly set up the Panorama™ virtual appliance or an M-Series appliance for centralized administration of the Palo Alto Networks firewalls.

- 7.1 VM-Series Deployment Guide—Provides details on deploying and licensing the VM-Series firewall on all supported hypervisors. It includes example of supported topologies on each hypervisor.

- 7.1 Online Help System—Detailed, context-sensitive help system integrated with the firewall web interface.

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- 8.0 Online Help System—Detailed, context-sensitive help system integrated with the firewall web interface.

Requesting Support

For contacting support, for information on support programs, to manage your account or devices, or to open a support case, refer to https://www.paloaltonetworks.com/support/tabs/overview.html.

To provide feedback on the documentation, please write to us at: documentation@paloaltonetworks.com.

Contact Information

Corporate Headquarters:

Palo Alto Networks

3000 Tannery Way

Santa Clara, CA 95054

https://www.paloaltonetworks.com/company/contact-support

Palo Alto Networks, Inc.

www.paloaltonetworks.com

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