



VM-Series Auto Scaling CloudFormation Template (CFT v1.2) Release Notes

Revision Date: March 15, 2017

Review important information about open issues and workarounds, and issues that are addressed in the current version of the AWS CFT.

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What's New

The VM-Series Auto Scaling CloudFormation Template (CFT) allows you to deploy an auto scaling tier of VM-Series firewalls in a AWS load balancer sandwich topology. [CFT version 1.2](#) has the following changes:

- Support for BYOL licenses and subscriptions and PAYG bundle 1, in addition to the previously supported PAYG bundle 2.
- Allows you to update the auto scaling tier of VM-Series firewalls to a different PAN-OS version and migrate across any of the three licensing choices.
- Supports the AWS CloudFormation Stack Update capability to make changes to stack settings. The parameters you can change are: AMI ID, firewall API key, instance size, security group, license deactivation key for removing the licenses attached to a firewall before it is deleted when a scale-in event is triggered, and the ASG parameters.

Changing the AMI ID and EC2 instance size allows you to change the launch configuration for deploying VM-Series firewalls within an auto scaling group. [Look up the list](#) of AWS regions for CFT 1.2 and the corresponding AMI IDs for PAN-OS 7.1.8 or 8.0.0 in each region.



Known Issues

The following list describes known issues in the AWS CFT version 1.2:

Issue ID	Description
HYPI-52	<p>With the BYOL version on the VM-Series firewall, the active licenses on the firewall are not released when you delete a stack.</p> <p>Workaround: Make sure to manually deactivate the licenses from the firewall or Panorama, before you delete the stack. This allows you to ensure that the licenses are available for reassigning to another firewall.</p>
HYPI-59	<p>For VM-Series firewalls running PAN-OS 7.1.8 license activation will fail if the bootstrap.xml file has the validate Palo Alto Networks update server identity enabled (<server-verification>yes</server-verification>).</p> <p>Workaround: Disable the update server validation check to successfully activate licenses on your firewalls.</p>
HYPI-61	<p>If you are using Panorama to manage the firewalls deployed using the CFT, the firewalls are not automatically removed from the managed devices list on Panorama when you delete the stack.</p> <p>Workaround: Delete the internal ELB on AWS before you delete the stack. Deleting the internal ELB allows the VM-Series firewalls to shut down gracefully, and Panorama can remove the firewalls from the list of managed devices.</p>



For PAN-OS 7.1.8 and PAN-OS 8.0.0, refer to the

- Known issues for [7.1](#) and [8.0](#), the page includes a link for critical updates.
- Addressed Issues for [7.1](#) and [8.0](#).



Getting Help

▲ [Related Documentation](#)

▲ [Requesting Support](#)

Related Documentation

Refer to the following documentation on the [Technical Documentation portal](#) or [search](#) the documentation for more information on our products:

- **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 for [PAN-OS 7.1](#) and [PAN-OS 8.0](#).
- **Panorama Administrator's Guide**—Provides the basic framework to quickly set up the Panorama™ virtual appliance or an M-Series appliance on version [7.1](#) or [8.0](#) for centralized administration of the Palo Alto Networks firewalls.
- **VM-Series Deployment Guide**—Provides details on deploying and licensing the VM-Series firewall on all supported hypervisors for [PAN-OS 7.1](#) and [PAN-OS 8.0](#).
- **Online Help System**—Detailed, context-sensitive help system for [PAN-OS 7.1](#) and [PAN-OS 8.0](#) 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

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