



PolicyGURU™ Meta-Policy Controller v1.0.1 Release Notes

Knowledge Base Article #PG685, Rev B

Synopsis

This document contains important information about Release v1.0.1 of PolicyGURU™ Meta-Policy Controller.

What's New in v1.0.1

- **Virtualization Support for Small and Mid-Sized Environments**—Release v1.0.1 adds support for virtualized deployments of the PolicyGURU solution on COTS hardware that meets minimum system and resource requirements per virtual machine. This virtual model is designed to support small to mid-sized concurrent call volume environments, with functionality identical to that of physical installations of the PolicyGURU solution, except for call capacity.

Two virtualized distributions are available:

- **All-in-one installation**—The all-in-one virtual installation supports up to 1000 concurrent calls at 10 CPS, with policies containing up to 1,000,000 list objects.
- **Distributed installation**—The distributed virtual installation supports 1000-4000 concurrent calls at 40 CPS, with policies containing up to 1,000,000 list objects.

See “Minimum System and Resource Requirements for Virtual Deployments” below.

- **Issue Resolution**—Release v1.0.1 resolves several important issues. See “Issues Resolved in v1.0.1” below.

Software Version

Release v1.0.1 of the PolicyGURU solution is provided by software version **1.0.RC-173** on both virtual and physical deployments.

Issues Resolved in v1.0.1

- NGP-166—Resolved a memory leak associated with CEP policy processing.
- NGP-180—Resolves an issue in which Same Source rules could fire beyond the defined time interval.
- NGP-179—The **sysUptime** field of SNMP traps is now formatted as the number of 10 ms time ticks since the PolicyGURU system was started. Previously, it was formatted as a timestamp string, which caused a problem interworking with OpenNMS.

Minimum System and Resource Requirements for Virtual Deployments

Both virtual distributions require VMWare vSphere Hypervisor v5.5. You can download the free version of VMWare vSphere Hypervisor from the VMWare website. The PolicyGURU software has been tested to support this free version. See the next page for details on system and resource requirements.



Distributed Guest

Each virtual machine requires the following dedicated resources:

Component	vCPU sockets	vCPU Cores per Socket	vMemory	Virtual HDD	vIO
Database	1	4	8 GB	500 GB	172 IOPS/75% write
Mediation Server	2	4	16 GB	80 GB	172 IOPS/75% write
ENUM Server	1	4	8 GB	80 GB	172 IOPS/75% write

All-In-One Guest

Each virtual machine requires the following dedicated resources:

vCPU sockets	vCPU Cores per Socket	vMemory	Virtual HDD	vIO
1	4	8 GB	500 GB	172 IOPS/75% write

Host Server Platform

System testing was performed on server platforms with the following specifications and characteristics.

Host CPU sockets (shared)	Host CPU Cores (shared)	Memory (shared)	HDD (shared)	IO (shared)
2	16 2 - Intel Xeon E5-2650 8C 2.0GHz/8.0GTs/20M/95W The BIOS CPU set to Performance Hyper-threading not enabled Virtualization enabled	64 GB 8 x 8GB ECC DDR3-1600	2 x 10K 1TB SAS 6GB/s No RAID	172 IOPS/75% write



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