vCenter Hyperic Supported Configurations and System Requirements

vCenter Hyperic 5.8

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vCenter Hyperic Supported Configurations and System Requirements Guide provides a list of the hardware, software and operating systems that are required to install and run VMware[®] vCenter™Hyperic[®] functionality.

Intended Audience

This guide is intended for anyone who will install and run the vCenter Hyperic environment.

Operating System Support and Requirements

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This topic shows supported configurations and related requirements for vCenter Hyperic server and agent.

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  This topic shows supported configurations for the vCenter Hyperic agent. These configurations are supported for the agent in both development and production environments.

vCenter Hyperic Server

This topic shows operating system support and requirements for vCenter Hyperic server.

The table shows operating system support and requirements for vCenter Hyperic server. The table includes the configurations listed in the Supported Platforms and Configurations section of vFabric Suite documentation, as well as additional configurations supported by standalone vCenter Hyperic.

Table 2-1. Server Requirements

Operating System	Processor Architecture	JVM*	Production or Developer Support**	Scaling Considerations
Pre-deployed Virtual Appliance (vApp)	X86_64	Oracle Java SE 6	Production	Best configuration for environments with more than 1000 managed platforms.
RedHat Enterprise Linux (RHEL) 5 or CentOS 5.x	X86_64	Oracle Java SE 6	Production	
	X86_64	Oracle Java SE 6	Production	For medium scale environments.
	X86_64	Oracle Java SE 6	Production	For medium scale environments.
	X86_64	Oracle Java SE 6	Production	For medium scale environments.

*Host operating systems should employ a method of time sync (NTP). This is required in order to ensure accuracy of metric data reporting and alerts.

**The table indicates whether the supported configuration is for production or development. Generally, production support means you can run your production application on the platform; developer support means you can develop on the platform but you should not run your production application on it. Many developers use consumer-focused operating systems that are not certified for production use, and most vCenter products function well on popular consumer operating systems. The developer support designation is intended to convey which products are "known to work" and that VMware will provide best-effort support for resolving reported issues that are discovered. Developer Support certifications are not supported for use in production.

X Libraries on Unix-Based Platforms

On Unix-like platforms, vCenter Hyperic server requires the `libXp.so.6X` library to create charts and other graphics in the user interface. The location of this library varies by version and provider:

- Enterprise Linux - As of Red Hat Enterprise Linux 4 and CentOS 4, `libXp.so.6` is in the `xorg–x11–deprecated–libs` RPM.

- Debian - install the `libxp6`, `libxt6`, `libxtst6` , and `libx11–6` packages.

- Fedora Core 5 - as of Fedora Core 5, the `libXp.so` library has been split out to its own package; install the `libXp` RPM.

- Other distributions - The required libraries can be found in either the `XFree86–libs` or the `xorg–x11–libs` package.

vCenter Hyperic Agent

This topic shows supported configurations for the vCenter Hyperic agent. These configurations are supported for the agent in both development and production environments.

Table 2-2. Agent Requirements

Operating System*	Processor Architecture	JVM	Scaling Considerations
RedHat Enterprise Linux (RHEL) 5	x86_64, x86_32	Oracle Java SE7	
RedHat Enterprise Linux (RHEL) 6	x86_64, x86_32	Oracle Java SE7	
SUSE Enterprise Linux (SLES) 11	x86_64	Oracle Java SE7	
Windows 2003 Server	x86_64, x64_32	Oracle Java SE7	
Windows 2008 Server R2	x86_64, x64_32	Oracle Java SE7	
Solaris 10 or higher	SPARC 64bit	Oracle Java SE7	
HP-UX 11.11 or higher	PA-Risc	Oracle Java SE7	
AIX 6.1, 7.1		Oracle Java SE7	
Ubuntu 10.11	x86_64, x86_32	Oracle Java SE7	For development environments only.

*Host operating systems should employ a method of time sync (NTP). This is required in order to ensure accuracy of metric data reporting and alerts.

Host Machine Requirements 3

This section describes the host system requirements for the vCenter Hypericserver and vCenter Hypericdatabase, assuming that the database runs on a different host than the server.

This section describes the host system requirements for the vCenter Hypericserver and vCenter Hypericdatabase, assuming that the database runs on a different host than the server.

■ vCenter Hyperic supports only one server on a host. The host must have a static IP address for server communications.

■ vCenter Hyperic supports only one agent on a host.

■ If you will manage more more than 100 platforms, run the database on a dedicated host, rather than on the same machine as the server.

In the following table:

■ Medium is 50 to 500 managed platforms, or 5000-30000 managed resources.

■ Large is 500 to 2,000 managed platforms, or more than 30,000 managed resources.

Table 3-1. Host Machine Requirements

Resource	vCenter Hyperic Server	vCenter HypericDatabase required/recommended
Processor	■ Medium: 4 or more server class CPUs, 2 GHz or better ■ Large: 6 or more server class CPUs, 2 Gz or better	■ Medium: 4 or more server class CPUs, 2 GHz or better ■ Large: 8 or more server class CPUs, 2 GHz or better
RAM	■ Medium: 8 GB ■ Large: 12 GB or more	■ Medium: 6 GB or more ■ Large: 16 GB or more
Free Disk Space	20 GB	■ Medium:200 GB ■ Large: 500 GB

vCenter Hyperic Server-Supported Databases

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This topic lists the databases supported by vCenter Hyperic.

The vCenter Hyperic database supports PostgreSQL or vPostgreSQL 9.1.x.

The vCenter Hyperic server vApp includes a VM with a vPostegrSQL database. The built-in database installed when you run the vCenter Hyperic installer in default mode is PostgreSQL.

For deployments with more than 60 platforms, run the database on a dedicated host, not on the same machine as the vCenter Hyperic server.

Supported Browsers

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This topic lists the browsers supported by vCenter Hyperic.

vCenter Hyperic supports the following browsers. Firefox is recommended.

Table 5-1.

Browser	Version
Firefox (Recommended) The Skype plugin for Firefox causes unexpected behavior in the Hyperic user interface. Disable the plugin to work around this problem.	11, 12
Internet Explorer	7, 8, 9
Safari	5.0, 5.1
Chrome	21

Agent-Server Compatibility Requirements

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This topic lists the requirements to enable the vCenter Hyperic server and vCenter Hypericagent to communicate.

The vCenter Hyperic agents reporting to the vCenter Hyperic server must be the same version as the vCenter Hyperic server, or an earlier version than the vCenter Hyperic server.

Drivers for Monitoring Databases 7

This topic discusses requirements for database drivers for the databases used with vCenter Hyperic.

In the open source version of vCenter Hyperic, the plugins packaged with the vCenter Hypericagent for MSSQL, Oracle, Informix, DB2, and Sybase do not include the database vendor's JDBC plugin. After installing Hyperic HQ, you must download and install the vendor-provided JDBC drivers for these plugins to work.

The database plugins in vCenter Hypericinclude the JDBC drivers.