vFabric Hyperic Supported Configurations and System Requirements

VMware vFabric Hyperic 5.0

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Table of Contents

1 Operating System Support and Requirements 5
- vFabric Hyperic Server 5
- vFabric Hyperic Agent 6

2 Host Machine Requirements 8

3 Hyperic Server-Supported Databases 9

4 Supported Browsers 10

5 Agent Server Compatibility Requirements 11

6 Drivers for Monitoring Databases 12

- Operating System Support and Requirements (see page 5)
  - vFabric Hyperic Server (see page 5)
  - vFabric Hyperic Agent (see page 6)
- Host Machine Requirements (see page 8)
- Hyperic Server-Supported Databases (see page 9)
- Supported Browsers (see page 10)
- Agent Server Compatibility Requirements (see page 11)
- Drivers for Monitoring Databases (see page 12)

The sections that follow document supported operating system platforms and describe system requirements for vFabric Hyperic 5.0 Server and Agent.

Operating System Support and Requirements

1

The following sections show supported configurations and related requirements for vFabric Hyperic Server and Agent.

vFabric Hyperic Server

The table shows operating system support and requirements for vFabric 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 vFabric Hyperic.

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	
RedHat Enterprise Linux (RHEL) 6	x86_64	Oracle Java SE 6	Production	For medium scale environments.
SUSE Enterprise Linux (SLES) 11	x86_64	Oracle Java SE 6	Production	For medium scale environments.
Microsoft Windows Server 2008	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 vFabric 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, Hyperic Server requires the `libXp.so.6` X library to create charts and other graphics in the Hyperic 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.

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vFabric Hyperic Agent

The table shows supported configurations for Hyperic Agent. These configurations are supported for the agent in both development and production environments.

Operating System*	Processor Architecture	JVM	Scaling Considerations
RedHat Enterprise Linux (RHEL) 5	x86_64, x86_32	Oracle Java SE6	
RedHat Enterprise Linux (RHEL) 6	x86_64, x86_32	Oracle Java SE6	
SUSE Enterprise Linux (SLES) 11	x86_64	Oracle Java SE6	
Windows 2003 Server	x86_64, x64_32	Oracle Java SE6	
Windows 2008 Server R2	x86_64, x86_32	Oracle Java SE6	
Solaris 10 or higher	x86_64, x86_32	Oracle Java SE6	
HP-UX 11.11 or higher	PA-Risc	Oracle Java SE6	
AIX 6.1		IBM Java SE6	

Ubuntu 10.11	x86_64, x86_32	Oracle Java SE6	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 2

This section describes the host system requirements for the Hyperic Server, and the Hyperic database, assuming that the database runs on a different host than the Hyperic Server.

Note:

- Hyperic supports only one Hyperic Server on a host. The host must have a static IP address for server communications.
- Hyperic supports only one Hyperic Agent on a host.
- If you will manage more more than 100 platforms, run the Hyperic database on a dedicated host, rather than on the same machine as the Hyperic Server.

In the table below:

- "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.

Resource	Hyperic Server	Hyperic Database 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: 50 GB Large: 500 GB

Hyperic Server-Supported Databases 3

The Hyperic database supports PostgreSQL or vPostgreSQL 9.1.x.

The Hyperic Server vApp includes a VM with a vPostegrSQL database. The built-in database installed when you run the 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 Hyperic Server.

Note: vFabric Hyperic includes JDBC drivers, Hyperic HQ does not. In Hyperic HQ, the plugins packaged with the Hyperic Agent 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 vFabric Hyperic include the JDBC drivers.

Supported Browsers

4

Hyperic supports the following browsers. Firefox is recommended.

Note: The Skype plugin for Firefox causes unexpected behavior in the Hyperic user interface. Disable the plugin to work around this problem.

Browser	Version
Firefox	11, 12
Internet Explorer	7, 8, 9
Safari	5.0, 5.1
Chrome	21

Agent Server Compatibility Requirements

5

The Hyperic Agents reporting to the Hyperic Server must be the same version as the Hyperic Server, or an earlier version than the Hyperic Server.

Drivers for Monitoring Databases 6

In the open source version of Hyperic, the plugins packaged with the Hyperic Agent 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.

Note: The database plugins in vFabric Hyperic include the JDBC drivers.