

vFabric Hyperic Supported Configurations and System Requirements

vFabric Hyperic 5.7

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About vFabric Hyperic Supported Configurations and System Requirements

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

Intended Audience

vFabric Hyperic Overview is intended for anyone who will install and run the vFabric Hyperic environment.

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Operating System Support and Requirements

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, vFabric Hyperic server requires the `libXp.so.6` X library to create charts and other graphics in the vFabric 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.

vFabric Hyperic Agent

The table shows supported configurations for the vFabric 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 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, x86_32	Oracle Java SE7	
Solaris 10 or higher	SPARC 64bit	Oracle Java SE7	
HP-UX 11.11 or higher	PA-Risc		
AIX 6.1, 7.1			
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

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

Note:

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

vFabric Hyperic Server-Supported Databases

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

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

Supported Browsers

vFabric 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

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

Drivers for Monitoring Databases

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