Supported Configurations and System Requirements

vFabric tc Server 2.8

VMware vFabric Suite 5.2

This document supports the version of each product listed and supports all subsequent versions until the document is replaced by a new edition. To check for more recent editions of this document, see http://www.vmware.com/support/pubs.

vmware®

You can find the most up-to-date technical documentation on the VMware Web site at: https://www.vmware.com/support.

The VMware Web site also provides the latest product updates.

If you have comments about this documentation, submit your feedback to: docfeedback@vmware.com

Table of Contents

1. Supported Configurations and System Requirements

Revised October 30, 2012.

This document describes the tc Server supported configurations and system requirements.

tc Server Supported Configurations

Spring Insight Supported Configurations

tc Runtime Versions

Supported Java EE Specifications

Related Product Versions

Software Requirement: Install JDK or JRE

Software Requirement: Bash Shell

Possibly Required: Install a Database Server

Possibly Required: Install GNUtar

tc Server Supported Configurations

The following table shows all supported configurations for vFabric tc Server. These include vFabric Suite supported configurations, as well as additional configurations supported by standalone vFabric tc Server.

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. See vFabric Suite supported configurations for details.

Because you typically install and run the vFabric Hyperic Agent on the same computer as tc Runtime, you should also consult Hyperic Agent requirements.

Table 1.1. vFabric tc Server Supported Configurations

Operating System	Processor Architecture	JVM	Production or Developer Support?
RedHat Enterprise Linux (RHEL) 5	x86_64, x86_32	• Oracle JVM 6, 7 • IBM JVM 6, 7	Production
RedHat Enterprise Linux (RHEL) 6	x86_64	• Oracle JVM 6, 7 • IBM JVM 6, 7	Production
Oracle Linux 6	x86_64	Oracle JVM 6, 7	Production
CentOS 6	x86_64	Oracle JVM 6, 7	Production
SUSE Linux Enterprise Server (SLES) 11	x86_64	Oracle JVM 6, 7	Production
Microsoft Windows Server 2008	x86_64, x86_32	Oracle JVM 6, 7	Production
Microsoft Windows XP	x86_64	Oracle JVM 6, 7	Developer
Microsoft Windows 7	x86_64	Oracle JVM 6, 7	Developer
MacOS X 10.6+	x86_64	Oracle JVM 6, 7	Developer

Operating System	Processor Architecture	JVM	Production or Developer Support?
Ubuntu 10.x (Only stable, non-EOL releases supported)	x86_64	Oracle JVM 6, 7	Developer

Note about OS patch levels: Follow the guidance of your operating system or JVM vendor when deciding which patch levels should be applied to your computer. In general, the latest patch update levels are recommended.

Spring Insight Supported Configurations

For specific supported configurations for Spring Insight Operations, see Spring Insight Operations.

tc Runtime Versions

tc Server 2.8.0 includes the following tc Runtime versions:

- tomcat-6.0.35.B.RELEASE

- tomcat-7.0.30.A.RELEASE

Maintenance releases of tc Server often update the version of the included tc Runtime; check the release notes for the latest versions.

Supported Java EE Specifications

Fabric tc Server supports the following specifications:

- Java Servlets 2.5 (tc Runtime 6)

- Java Servlets 3.0 (tc Runtime 7)

- JavaServer Pages (JSP) 2.1 (tc Runtime 6)

- JavaServer Pages (JSP) 2.2 (tc Runtime 7)

Related Product Versions

The following related VMware product versions are supported with tc Server:

- vFabric Hyperic Server version 4.6. Hyperic 4.6 includes Hyperic Plug-in for vFabric tc Server version.

- Spring Insight Operations version 1.8. Download from the vFabric tc Server page on the VMware download page.

- Spring Insight Developer version 1.8. Bundled with tc Server Developer Edition.

- Elastic Memory for Java version 1.2. Bundled with tc Server Standard Edition.

Software Requirement: Install JDK or JRE

All tc Server editions require you to download a JDK or JRE. If you are installing the Hyperic components, the JDK or JRE requirement depends on whether you install a platform-specific version or the platform-neutral version. The platform-neutral version requires a JDK or JRE, and the platform-specific versions bundle one.

Prerequisites

- For platform-specific details of supported JDK or JRE versions, see Supported Configurations

- Download a JDK or JRE from Java SE Downloads.

Procedure

1. On each computer where you plan to install the tc Runtime component of tc Server, download and install a JDK or JRE.

2. If you plan to install the platform-neutral version of the vFabric Hyperic components, install a JDK or JRE on each computer on which you will install Hyperic Server or a Hyperic Agent.

    Each computer requires one JDK or JRE. If you already installed a JDK or JRE on the computer in step 1, you do not need to install another one.

3. Set your `JAVA_HOME` environment variable to point to your installation, and update your `PATH` environment variable to point to the `JAVA_HOME/bin` directory.

4. If you will install the management components of tc Server (Hyperic Server and Hyperic Agent) on a Windows platform, set `HQ_JAVA_HOME` as a system environment variable that points to the location of your JDK or JRE.

    Make sure you set `HQ_JAVA_HOME` as a *system* environment variable. If you set it as a *user* environment variable, the Hyperic Agent aborts on startup.

Software Requirement: Bash Shell

vFabric tc Server requires that the Bash shell be installed on Unix and Linux operating systems. Additionally, Bash must be available from `/bin/bash`. You can install it into this directory, or create a symbolic link to the directory if Bash is already installed in a different directory, such as `/usr/local/bin/bash`.

Possibly Required: Install a Database Server

The Hyperic Server uses a database to store its metadata. The platform-neutral version of Hyperic Server does *not*, however, bundle a database. If you install vFabric tc Server Standard edition and you want to install the platform-neutral version of the Hyperic Server and Agent components, you need to install a database server.

It is also recommended that you install a database server for production purposes, if you install the platform-neutral or platform-specific version of the Hyperic distribution. The platform-specific versions of the Hyperic distribution bundle a database for you to get started, but this database is not recommended for production.

For Hyperic Server and Agent requirements, see "Installation Requirements" in *vFabric Hyperic Installation Guide*.

Procedure

• Follow the procedure in "Set Up Hyperic Database" in *vFabric Hyperic Installation Guide*.

    Hyperic Server supports Oracle 10g/11g, PostgreSQL 8.3, and MySQL v5.0.45+/v5.1.x.

Possibly Required: Install GNUtar on Unix

If you install the compressed TAR file of tc Server in a Unix environment and your **tar** command does not support the **-z** option, you must install GNUtar.

Procedure

1. Open a terminal window and enter:

    ```
    prompt$ tar --help
    ```

2. Search the help output for a **-z** option, which filters the output through gzip.

    • If the **tar** command on your computer supports the **-z** option, it is compatible with the one required by vFabroc tc Server. You can begin installing tc Server.

    • If your **tar** command does *not* support this option, you must install GNUtar (`gtar`) from an external source. Proceed to step 3.

3.   Download GNUtar for free from Sunfreeware.com.

4.   Update the `PATH` environment variable (either of the user installing tc Server or the system-wide environment variable) to include the location of the `gtar` command.

     The location depends on the directory in which you installed GNUtar.

5.   For any references to **tar** in the tc Server installation procedures, substitute the command **gtar**.