

Release Notes for Xsigo Performance Manager, V1.0.1

These release notes document information about Oracle's Xsigo Performance Manager (PM) application for Oracle's Xsigo Fabric Manager GUI.

Additional release notes exist for:

- Oracle's Xsigo Windows host drivers
- Oracle's XgOS and Oracle's Xsigo Fabric Director
- Oracle's Xsigo Fabric Manager
- Oracle's Xsigo ESXi 5.0 host drivers.
- Oracle's Xsigo OVM release notes
- Oracle's Xsigo Ubuntu release notes

These release notes contain the following sections:

- [System Requirements](#)
- [System Limitations and Restrictions](#) on page 4
- [User Guides](#)
- [Documentation Additions And Errata](#)
- [Known Issues](#)
- [System Requirements](#)

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Overview

Oracle's Xsigo Performance Manager is a separately purchaseable, licensed application for Oracle's Xsigo Fabric Manager GUI. When Performance Manager is installed and licensed, it gathers and displays historical (not live) information about host servers, Fabric Directors, and clouds in your data center. Performance Manager provides an easy-to-use and understand tool that enables you to:

- View I/O traffic across all servers
- Monitor both Ethernet and Fibre Channel traffic
- Select data granularity, from specific ports to entire servers
- Graph historical results over time-scales that range from minutes to months

Because Performance Manager is a separate application, it has few requirements of its own. Instead, its requirements are mostly determined by the requirements of the underlying version of Xsigo Fabric Manager GUI. To have a complete picture of Performance Manager, use the Performance Manager documentation along with the Xsigo Fabric Manager documentation.

Customers and partners are requested to send comments and report bugs to Xsigo by filing a customer case through the Xsigo Technical Support web portal (<http://support.xsigo.com>). Xsigo is fully committed to responding to all feedback regarding our product and greatly appreciates customer involvement. If you need to contact Xsigo Technical Support, you can facilitate your interaction with Technical Support by first gathering some troubleshooting information. See [page 8](#).

System Requirements

This section documents system requirements for Performance Manager. Because Performance Manager is an application that plugs in to Xsigo Fabric Manager, the requirements for Fabric Manager must also be met.

Xsigo Fabric Manager Requirements

For information about the requirements for Fabric Manager, see the release notes for the version of Xsigo Fabric Manager that accompanied your Performance Manager software.

Performance Manager Requirements

To install and use Performance Manager, the following requirements must be met:

- Xsigo Fabric Manager version 3.4.0 or higher installed and collecting data in your environment
- Xsigo Performance Manager application package and a license to run the software.
- For Linux, Red Hat Enterprise Linux 5 update 4 or higher with no PostgreSQL database installed.
- For Windows, Windows Server 2008 or Server 2008 R2, with no PostgreSQL database installed.



Note

For a fresh install of Linux (for example, from the distribution media), install the OS first, but do not install the PostgreSQL database. Then install PostgreSQL 9.1 from the Performance Manager tar ball. PostgreSQL 9.1 is packaged into the Performance Manager tar file, but is **not** installed as part of the PM installer. Follow the instructions in “Installing and Configuring Performance Manager” in the *Xsigo Performance Manager User Guide* to correctly install the PostgreSQL database **before** running the Performance Manager installer.

The PostgreSQL database version that is supplied with the Performance in the tar file).



Note

If you have an existing Red Hat 5.x server (or are upgrading to Red Hat 5.x), and you already have PostgreSQL server installed, if the version PostgreSQL is not 9.1 or later, you must remove this “old” PostgreSQL database first, and then install the PostgreSQL 9.1 database that is shipped with the Performance Manager software.

To delete the “old” PostgreSQL database, issue the `rpm -e <postgres-name>` command, then install the PostgreSQL 9.1 packaged from the PM tar ball, as described in “Installing and Configuring Performance Manager” in the *Xsigo Performance Manager User Guide*.

After installing PostgreSQL 9.1, you can install the Performance Manager software.

- Adobe Flash Player for Fusion Charts (Version 10.3.181.32 or later)
- A valid Performance Manager license

Browsers

Performance Manager has no specific browser requirements. Instead, it relies on the required browsers for Xsigo Fabric Manager, which are given below for your reference:

- Mozilla[®] Firefox 2.0 and later, with all cumulative security updates
- Microsoft Internet Explorer 7.0 and later, with all cumulative security updates. Any version of Internet Explorer less than 7.0 is not supported.
- Apple[®] Safari 5
- Google[®] Chrome 8



Note

While Apple Safari and Google Chrome are supported for Xsigo Fabric Manager, they have not been extensively tested with this release.

- For best results, Xsigo recommends a minimum screen resolution of 1280 x 900 DPI when using Xsigo Fabric Manager 3.0.0 or later.
- Javascript with cookies enabled

System Limitations and Restrictions

This section documents system limitations and restrictions for this release of Oracle's Xsigo Fabric Manager.

Restarting the Fabric Manager Service Clears Slow-Loading or Empty Graphs

Very rarely graphs will take too long to load, or actually won't load in Internet Explorer. You can restart the Fabric Manager service to clear this issue and have graphs display in a timely manner.

```
service xms restart
```

After Performance Manager Install or Upgrade on Windows, Restart Fabric Manager Service

After Performance Manager is installed or upgraded on a Windows Fabric Manager Server, the Fabric Manager Service is stopped. Make sure to manually restart the Fabric Manager service after any upgrade or fresh install on a Windows server.

User Guides

User guides are available on CD for shipments to new customers, and by download from the Xsigo Technical Support site.

Xsigo Systems provides the following Fabric Director product documentation in PDF format:

- *Fabric Director Hardware and Host Drivers Installation Guide*
- *XgOS Software Upgrade Guide*
- *XgOS Command-Line User Guide*
- *XgOS Remote Booting Guide*
- *Xsigo Fabric Accelerator Quick Start Guide*
- *Fabric Manager User's Guide*
- *XgOS vNIC Switching Configuration Guide*

You can download these manuals by going to the Xsigo Support page (www.xsigo.com/support) and clicking the "Documentation" tab on the toolbar at the top of the page. You will need a login and password before downloading the manuals. See [page 6](#).

Documentation Additions And Errata

The following text supplements the text in the *Performance Manager User Guide, Version 1.0.0*.

Documentation Erratum

The Performance Manager User Guide contains the following error.

Need to Download Either Windows Installer or Linux RPMs

The “Installation” chapter of the Xsigo Performance Manager User Guide documents that a single TAR file is available for download. After downloading that file, you extract the archive and within it, two separate installation programs exist—the installer (.exe file) for Windows, or the package (.rpm file) for Linux.

This text is in error. The installation programs are not contained within a single downloadable TAR ball. Instead, each installation program is available for download. To obtain your Performance Manager software, you will need to choose the correct operating system type for your Performance Manager/Fabric Manager server, and download it:

- Choose the .exe file if Performance Manager will be running on a Windows Fabric Manager server
- Choose the .rpm file if Performance Manager will be running on a Linux Fabric Manager server

Documentation Addition

The following text is an addition to the existing Performance Manager documentation.

Upgrading to the Latest Performance Manager Software is a Two-Step Process

For customers who have been involved in the Performance Manager beta program, the upgrade path to Performance Manager 1.0.1 is a two-step process involving installing the new software, and re-installing the Performance Manager application into Fabric Manager.

To upgrade to the Performance Manager 1.0.1, follow this procedure:

- Step 1** Install the new version of Performance Manager by using either of the following methods:
 - For Performance Manager on Linux, use the `rpm -Uvh` command.
 - For Performance Manager on Windows, run the installer program again. If a previous version exists, any detected files will be updated (not overwritten), so no data will be lost.
- Step 2** When the new Performance Manager bits are installed (or updated), log in to Xsigo Fabric Manager.
- Step 3** Select *Apps->Application Manager* to display the Installed Applications Summary as shown in [Figure 1](#)

Name	Version	Configuration	App ClassName	API base	Status	Contact Info	Description
perfmgr	1.0.1	perfmgr.af	perfmgr	perfmgr	active	Xsigo Systems Inc.	

Figure 1 Installed Apps Summary in Fabric Manager

- Step 4 Click `xmsperfmgr` to select it. This step activates the ***Upgrade App Already on Fabric Manager Server*** button.
- Step 5 Click ***Upgrade App Already on Fabric Manager Server***. When you click this button you are logged out of Fabric Manager.
- Step 6 Log back into Fabric Manager. The new version of Performance Manager is now installed and ready for use.

Downloading Performance Manager Software

Performance Manager is distributed as separate files for Windows and Linux versions of the software:

- For Windows, you will use the executable file (for example, `install-xms-1.0.1-pm.exe`)
- For Linux, you will use the RPM package (for example, `xsigo-xms-pm-1.0.1_PM.tar`)

You can download the required files from the Xsigo Technical Support portal.

To download Performance Manager, you need access to the Xsigo support site. You can request a user name and password for the Xsigo Support Portal by contacting Xsigo Technical Assistance through any of methods documented in [Contacting Xsigo Systems Support](#) on page 8.

To get the Performance Manager software:

- Step 1 Log in to the support portal (<http://support.xsigo.com/support/>) with a user name and password.
- Step 2 From the tabs at the top of the page, select **SOFTWARE->CURRENT RELEASE**. Older software releases are available from the dropdown menu, so you can select a different software release if needed.
- Step 3 On that page, select the version of Performance Manager that you need. If the version you need is not present, contact Xsigo Customer Support.
- Step 4 After downloading the `.exe` or `.rpm` file, use the installation procedure documented in the “Installation” chapter of the *Xsigo Performance Manager User Guide* to completely install the software. Be aware that there are some prerequisites for actually installing the software, as documented in the *Xsigo Performance Manager User Guide*.

Known Issues

Table 1 shows the known issues in this release of Xsigo Performance Manager.

Table 1 Known Problems in Performance Manager 1.0.1

Number	Description
21467	<p>For the three Historical Throughput graphs on the Performance Manager Overview page, if you select a one-hour time period and data has been gathered for less than an hour, Performance Manager shows a smaller throughput value than it should for that one-hour time period. Data is collected in 5-minute intervals, summed up, and divided by 12 to get a 5-minute interval. At the time a throughput chart is displayed, data might only have been collected a few times (not a full sample of 12) for the time period. Those few times are then totalled and divided by 12, which leads to inaccurate throughput. This problem only occurs only on the Overview page. If drill-down to get details for a server Cloud, or Xsigo Fabric Director, this problem does not occur.</p> <p>Consider the following example. If you select a one-hour time period, but only 30 minutes of data has been collected, 6 intervals are summed and divided by 12, which leads to throughput half of what it should be.</p>
21392	<p>When you install Performance Manager on a Windows Fabric Manager server, a problem can cause the PostgreSQL user password to fail. The problem occurs because the PerfMgr.exe does not run an embedded script during installation. When the script fails to run, you are prompted with a small command prompt where you can enter the PostgreSQL password a second time. Make sure you enter the correct password in this command prompt. If you do not, password authentication fails for the default user <code>xmspm</code> when the start the performance manager installation occurs.</p> <p>You can work around this issue by making sure to enter the PostgreSQL password in the small command-prompt, which gives you a second chance at avoiding the password authentication problem.</p>
21214	<p>On Linux Fabric Manager servers, a very rare problem sometimes causes the user-mode bits on the <code>/tmp</code> directory get changed to 644. As a result, when you install Performance Manager and need to initialize the PostgreSQL database and start the PostgreSQL server, you cannot. Instead, when you run the <code>/etc/init.d/postgres-9.1-openscg start</code> command, the following error occurs:</p> <pre>Configuring PostgreSQL server startup scripts Starting PostgreSQL 9.1: waiting for server to start..... stopped waiting pg_ctl: could not start server Examine the log output. The PostgreSQL server start seems to have some problems, please see logs for details.</pre> <p>You can work around this issue by using the following procedure:</p> <ol style="list-style-type: none"> Step 1 Log in to the Fabric Manager server as root user. Step 2 Change directory to <code>/tmp</code>. Step 3 Set the mode bits on <code>/tmp</code> to 1777: <pre>chmod -R 1777 /tmp</pre> Step 4 Restart the PostgreSQL database: <pre>/etc/init.d/postgres-9.1-openscg start</pre>

Table 1 (continued) Known Problems in Performance Manager 1.0.1

Number	Description
20687	<p>Sometimes the text heading of graphs in Performance Manager overlap to the point that you cannot see individual datum for servers. This is a problem with the charting module used in the software, not a problem with the Performance Manager's ability to gather and report data.</p> <p>You can work around this issue by selecting individual servers and displaying the throughput for each.</p>
20469	<p>After Performance Manager has been gathering data for an extended period of time, a problem can occur that causes either of the following:</p> <ul style="list-style-type: none"> • data to no longer load into the application or • after logging out of the application, they are not able to log back in, because all that is shown on the screen is the background image for the login page. <p>You can work around this issue by clearing the cookies in their browser. For information, see:</p> <p>http://www.aboutcookies.org/Default.aspx?page=2</p>

Contacting Xsigo Systems Support

Xsigo Systems is a wholly owned subsidiary of Oracle. Xsigo customers may contact support via the Xsigo website, telephone or e-mail. In order to expedite troubleshooting, all new support requests must be submitted via the Xsigo self-service portal at: <http://support.xsigo.com>. In addition to opening cases, the Xsigo Support Portal will allow you to update your support cases, download software, search for and view knowledge-base articles, and access technical documentation.

In order to access the customer support portal, you will need to have a Xsigo Support Portal login. Your account team will provide you with the necessary login information to access the support portal. If you need additional logins for your staff, please contact your account team for assistance.

For all Critical (P1) cases, please call the Xsigo support center at **866-974-4647** (toll free) or **1 408-736-3013** (international). Alternatively, you can email supportP1@xsigo.com and you will be responded to within 30 minutes.

Gathering Information for Xsigo Technical Support

If Xsigo Fabric Manager Server encounters a problem, please gather the following information from the affected Xsigo Fabric Manager Server(s) before contacting Xsigo Technical Support or filing a case through the support website:

- Information from the log files on the Linux Oracle Xsigo Fabric Manager Sever, which reside in `/opt/xsigo/xms/logs`
- Information from the log files on the Windows Oracle Xsigo Fabric Manager Server, which reside in `Program Files\Xsigo\XMS\logs`