

# HP GlancePlus

For the Linux Operating System

Software Version: 4.70

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## Installation Guide

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# 1 Installing, Upgrading and Running HP GlancePlus

## HP GlancePlus Components

GlancePlus, referred to as Glance in this document, gives you extra flexibility by providing you with two components: **xglance**, the Motif® interface, and **glance**, the character mode interface. Both are based on the same rich set of performance data.

GlancePlus is now supported on VMware ESX Server. For more information, refer to the section titled [GlancePlus on a Virtualized Environment](#).

### xglance

Use `xglance`, the Motif interface, to:

- View performance through a graphical user interface with multiple window capability
- Use powerful help subsystems including graphics, hyperlinks, and On Window and On Item capabilities
- Alerts you to potential problems with alarm capabilities
- Monitor your system while you are doing other work

### glanceplus

Use `glance`, the character mode interface, to:

- Monitor performance over slow data communications links
- Monitor the system remotely
- Monitor the system when an X-display is not available

- Alert you to potential problems with alarm capabilities



# System Requirements

Before installing GlancePlus, be sure that your system meets these system requirements. These requirements apply to both `xglance` and `glance`, unless otherwise noted.

## Supported Architecture and Operating Systems

The table below lists the supported architecture and operating system versions.

<b>Architecture</b>	<b>Operating System</b>
On 32-bit Intel Pentium (x86)	<ul style="list-style-type: none"><li>• RedHat Enterprise Linux (ES/AS/WS) 3, 4, and 5</li><li>• SuSE Enterprise Server 9.x and 10.x</li><li>• Debian 3.0 r2/r3/r4, 3.1</li><li>• Asianux 2.0 and 3.0</li><li>• TurboLinux Server 8 and 10</li></ul>
On 64-bit systems (x86_64)	<ul style="list-style-type: none"><li>• RedHat Enterprise Linux (ES/AS/WS) 3, 4, and 5</li><li>• SuSE Enterprise Server 9.x and 10.x</li><li>• Asianux 2.0 and 3.0</li></ul>
On Itanium systems (IA64)	<ul style="list-style-type: none"><li>• RedHat Enterprise Linux (ES/AS/WS) 4 Update 4</li><li>• RedHat Enterprise Linux (ES/AS/WS) 5</li><li>• SuSE Enterprise Server 10.x</li></ul>

## Software Dependency

Refer to the Release Notes for the latest information on software dependencies for xglance.

## Disk Space

The GlancePlus product will use approximately 20 MB in the `/opt/` directory path for first-time installation as well as minimal space (for log files) in the `/var/opt/perf/` directory.

## Terminals

- `xglance`: X-terminal or X-workstation display
- `glance`: Any terminal supported by the curses library.

## Runtime Memory

- `xglance`: Approximately 20 MB of virtual memory
- `glance`: Approximately 10 MB of virtual memory

# Installation or Upgrading Procedures

GlancePlus is on DVD-ROM installation media. The size of the product is approximately 40 MB, including the product documentation.

If you have previously installed GlancePlus or the HP Performance Agent on the system, stop performance tool processes that may be running. For instructions, refer to the section, [Stopping Active Performance Tool Processes](#). For installation instructions, refer to the section, [Installing GlancePlus](#).

## Stopping Active Performance Tool Processes

- 1 Log in as **root**.
- 2 Run **perfstat** to check for active performance tools by typing:  

```
/opt/perf/bin/perfstat
```
- 3 If **perfstat** reports any active **glance** or **xglance** processes, they must be stopped. (Instruct users to exit.)
- 4 If a previously installed version of Performance Agent is running, stop it by typing:  

```
/opt/perf/bin/ovpa stop
```



Customized configuration files such as the **parm**, **alarmdef**, **ttd.conf** and **datasources** as well as any customized log files will not be overwritten by the new installation.

- 5 Make sure the **midaemon** (measurement interface daemon) is not active by typing:  

```
ps -ef | grep midaemon
```

If the **midaemon** is still active, type:  

```
/opt/perf/bin/midaemon -T
```
- 6 Make sure the **ttd** (transaction daemon) is not active by typing:  

```
ps -ef | grep ttd
```

If the **ttd** is still active, type:

```
/opt/perf/bin/ttd -k
```



If you stop `ttd`, any ARM-instrumented applications that are running must also be stopped before you restart `ttd` and GlancePlus processes.

- 7 Run **perfstat** again to ensure that no performance tools or processes are active. When all tools or processes have been stopped and your customized configuration files are backed up, proceed with the installation.

## Installing GlancePlus

- 1 Make sure you are logged in as **root**.
- 2 Insert your installation DVD-ROM into the drive.

Typically, Linux systems are configured to automatically mount the DVD-ROM. If your system is not configured to automount the DVD-ROM, then you must manually mount it. Enter:

```
mount -t <type> <device> <dir>
```

where *<type>* is the file system type, *<device>* is the DVD-ROM device and *<dir>* is where the DVD-ROM directory will be mounted. For example:

```
mount -t iso9660 /dev/dvdrom /mnt/dvdrom
```

- 3 Open a terminal window. The `glance.install` script must be run from the command line.
- 4 In the terminal window, change to the DVD-ROM directory by typing:

```
cd /<directory>
```

where *<directory>* is your DVD-ROM directory.

- 5 Type **ls** to verify that you are in the correct directory. You will see the `README` file, and `glance.install` scripts, and the `paperdocs`, `packages`, and `ReleaseNotes` subdirectories.
- 6 Run the installation script by typing:

```
./glance.install
```

The `glance.install` script includes command line options for more advanced installations. The syntax of the command is:

```
glance.install [-n] [-f] [-v]
```

The command line options have the following meaning:

- n        Use to avoid any prompt
- f        Use to force installation (triggers `rpm --force --nodeps`)
- v        Use for Verbose installation

GlancePlus installation is now complete.



For more information and late-breaking news about GlancePlus, see the Release Notes, in `/opt/perf/ReleaseNotes/Glance`.

## Installing GlancePlus on Debian

On Debian, you must first install `/usr/bin/rpm` (Red Hat Package Manager) if it is not already on your system. GlancePlus requires `rpm` for the installation.

If `rpm` has not been used previously, follow these steps to initialize the `rpm` database:

- 1    Make sure you are logged in as **root**.
- 2    Create the `rpm` database by typing:  

```
# mkdir /var/lib/rpm  
# rpm --initdb --dbpath /var/lib/rpm
```
- 3    Follow Steps 2 through 5 from the installation instructions above.
- 4    Run the installation script by typing:  

```
./glance.install
```

# Running GlancePlus

To run GlancePlus, you must be logged into the system where it was installed.

- 1 To run the GlancePlus Motif interface, you'll need to export the display to your workstation. Use one of the following commands:

Korn shell: **export DISPLAY=<workstationid>:0.0**

C-shell: **setenv DISPLAY <workstationid>:0.0**

Bourne **DISPLAY=<workstationid>:0.0**

shell: **export DISPLAY**

where *<workstation id>* is the name of the workstation where you want to display Glance

- 2 To start GlancePlus in the Motif interface, enter:

**xglance**

To start GlancePlus in the Character Mode interface, enter:

**glance**

# GlancePlus on a Virtualized Environment

This version of GlancePlus supports monitoring of Virtual Machines (VMs) hosted on VMWare ESX Server 2.5.2 and later. For more information, refer to the section [GlancePlus on a Virtual Machine](#).

This version of GlancePlus is not supported on VMWare ESX Server.

## GlancePlus on the Service Console

GlancePlus is not supported on service console of VMWare ESX Server.

## GlancePlus on a Virtual Machine

This version of GlancePlus supports monitoring of Virtual Machines (VMs) hosted on VMWare ESX Server 2.5.2 and later. For installation procedures, refer to the section [Installation or Upgrading Procedures](#).

Install **VMWare Tools** on the VM. GlancePlus installed on a VM, hosted on VMWare ESX Server 2.5.2 and later, requires VMWare tools to recognize the virtual machine as a Guest operating system.

On VMs hosted on VMWare ESX Server 3.0.1, enable the **VMware Guest API** on the VMs. To capture the Virtual Machine's utilization of physical resources of a system, GlancePlus uses the **VMware Guest API**. For more information about **VMware Guest API**, refer to latest documentation available on **VMware Guest SDK** from VMWare.

▶ For complete list of metrics and descriptions, refer to the *Release Notes and Dictionary of Performance Metrics*.

The following table lists all the features which are supported and not supported in a virtualized environment:

<b>Features/ Functionalities</b>	<b>Linux</b>	<b>VMware ESX Server</b>
Alarming	Available	Available
Application metric class	Available	Not available
BYLS metric	Not available	Available
proc metric	Available	Not available
Transaction metric class	Available	Not available
Table class	Available	Not available
ARM	Available	Not available

## Removing GlancePlus

If you need to remove GlancePlus from a system, use the script `glance.remove` that is in the `/opt/perf/bin/` directory. Before removing GlancePlus, this script will check to see if you wish to remove log and data files that were created.

The script supports the following command line options for a more flexible product removal. The syntax of the command is as follows:

**glance.remove [-f] [-h] [-r]**

- f Force removal. Do not prompt for confirmation before removing the product (non-interactive mode).
- h Help: Displays this usage message.
- r Remove GlancePlus configuration and data files as well as the product files.



Combining the `-f` and `-r` options will not prompt for confirmation and will remove all product, configuration, and data files.



It is possible that some product packages may remain installed on the system, if those packages are shared across other HP Software products and are required by other tools. They will be removed only when the last tool requiring them is also removed.



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## 2 Documentation

### Release Notes

For additional information about this release of GlancePlus, refer to the GlancePlus Release Notes located in:

```
/opt/perf/ReleaseNotes/Glance
```

### Online Help

For **xglance** users

- To learn about the features available in the Motif interface version of GlancePlus, click on the Help menu in any xglance window.
- To get help on a particular xglance window, display the window, then select **On This Window** from the Help menu.
- To get help on a particular item in an xglance window, click the **?** button in the top right corner of the window, then click the item you want to know about. Note that xglance will stay in the **On Item Help** mode until you click the **?** button again.

You can also get help on an item by pointing to the item, then clicking the right mouse button.

For **glance** users:

To learn about all of the features available in the character mode version of GlancePlus, enter the **h** command or select the **Help** softkey. Type **?** to display the glance command menu.

## Printable Documents

The GlancePlus software includes the standard GlancePlus documentation set in viewable and printable file formats. You can view the Adobe Acrobat format (\*.pdf) documents online and print as needed. ASCII text (\*.txt) documents are also printable. However, you can view a text file on your screen using any UNIX text editor such as `vi`.

The documents are listed in the following table along with their file names and online locations.

**Table 1** GlancePlus Documentation Set

<b>Document</b>	<b>File Name</b>	<b>Location</b>
<i>HP GlancePlus Installation Guide</i>	gpinst.pdf	/opt/perf/ paperdocs/gp/C
<i>GlancePlus for Linux Metrics Dictionary</i>	gp-metrics.txt	/opt/perf/ paperdocs/gp/C
<i>HP Performance Agent and GlancePlus Tracking Your Transactions Manual</i>	tyt.pdf	/opt/perf/ paperdocs/arm/C
<i>Application Response Measurement (ARM) API Guide</i>	armapi.pdf	/opt/perf/ paperdocs/arm/C

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