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HP GlancePlus for Sun SPARC, HP 9000 and IBM RS/6000 Systems

Overview

HP GlancePlus software is Hewlett-Packard's answer to your performance monitoring and diagnostic needs. Easy to learn and use, HP GlancePlus provides immediate performance information about your computer system. It lets you easily examine system activities, identify and resolve performance bottlenecks, and tune your system for more efficient operation. Your users are more productive and your business applications run more smoothly when you use HP GlancePlus. At least that's what thousands of satisfied customers are saying.

HP GlancePlus Features

- A Motif-based interface that offers exceptional ease-of-learning and ease-of-use.
- State-of-the-art online help that provides an outstanding online user's guide - with a guided tour, truly context-sensitive help, and flexible search capabilities.
- Hierarchy of performance information, from quick summary to diagnostic detail. System-level, application-level, and process-level data provide many views of a system's performance.
- Rules-based diagnostics that uses customizable system performance rules to identify system performance problems and bottlenecks.
- Alarms that are triggered when customizable system performance thresholds are exceeded. These alarms generate on-screen notifications, and can execute commands or scripts for automated actions.
- Dynamic system performance graphs and alarms displayed from GlancePlus running as an icon.
- Graphical displays of performance data that provide a quick view of a system's performance. Graphs display bottlenecks, usage of CPU, memory, disk, and LAN resources.
- System table resource information, providing status of the important system tables like process tables (nproc), buffer headers (nbuf), files (nfile), inode (ninode) and shared memory (shmem).
- Network performance information, such as Network File System (NFS), and local area network (LAN) metrics.
- Ability to graphically show short-term history, and to display cumulative totals and running averages of performance metrics.
- Extensive choices for filtering process information, setting update intervals, fonts and colors allowing GlancePlus to be configured to a user's workstyle and preferences.

HP GlancePlus Benefits

Efficiently Keep Business Applications Running Smoothly, and Quickly Satisfy End Users' System Performance Needs

HP GlancePlus software allows you to identify and solve performance problems quickly. If you suspect a problem, you can examine how different software programs and users are using system resources. You can view detailed information on individual processes, including CPU and memory use and time spent waiting for different system resources. You can group users and processes into “applications,” then use these groupings to efficiently look at their impact on system resources.

On-screen alarms alert you of developing problems when customizable system performance thresholds are exceeded. This allows you to address the problems before they impact users and business processes. In addition, the rules-based adviser of HP GlancePlus helps you quickly identify system performance problems and bottlenecks through its use of customizable system performance rules. All this information enables you to identify and resolve problems quickly, and to choose alternative system and kernel configurations or processing priorities.

Save Time and Effort Managing Your System Resources

HP GlancePlus has a well designed Motif-based interface that is easy to learn and use. With the help facility, you can quickly start using the product, and interpret performance data without having to search through volumes of manuals.

HP GlancePlus' extensive configurability allows you to tailor it to best suit your needs and work styles. You can set filters based on thresholds on any of the displayed performance metrics such as CPU utilization, disk input/output (IO) rate. This allows you see only the most active processes. You can define color highlighting on process data that exceeds user-defined thresholds. This helps you to quickly identify processes or users that are impacting your system's performance the most.

You can also run HP GlancePlus as an icon and have alarms and dynamic system performance graphs displayed from within the icon. This allows you to efficiently keep an eye on your system's performance while attending to other tasks.

Better Understand Your Computing Environment

With HP GlancePlus software you become more aware of how your systems and software programs interact. Using the ability to group related programs and users into “applications,” you can efficiently assess and track system resource use of related processes or users.

The CPU, disk, and memory detail screens give you a detailed view of system activity. You can view disk IO rates and queue lengths by disk device to determine whether your disks are in balance. You can see how much disk activity is due to virtual memory IO and swapping. HP GlancePlus software helps you monitor your LAN, providing details on such things as NFS activity so you can see how client nodes are loading your servers. You can examine how LAN activity is affecting your system performance. Using HP GlancePlus' displays of short-term history and averages, you can get a view of your system's performance that extends beyond the last interval.

HP GlancePlus' many graphs provide you the information you need to quickly assess how your system is performing. Whether you manage multi-user systems or a network of workstations, HP GlancePlus enables you to more efficiently understand and manage your computing environments.

Specifications

Summary of HP GlancePlus Features

Global Information

CPU	Percent of CPU utilized by system, real-time, nice, and user activity
CPU detail	CPU utilization both globally and per processor on multi-processor systems
	CPU utilization by user processes broken out by nice, real-time, and standard-run priorities
	CPU utilization by system activity broken out by interrupts, context switches, and other kernel-mode processing
	CPU run queue lengths and system call counts
IO	Disk IO rate by file system, virtual memory, system and raw activity
IO detail	Logical and physical reads and writes per disk and filesytem, disk utilization and physical IOs broken out by user, system, virtual memory, and raw categories
	Queue lengths of each disk device
Memory	Percent of available physical memory utilized by system and user process
	Physical, available, and free memory
Memory detail	Page faults, page IOs, swap IOs, virtual memory IOs, and cache hit rate
Network	Packets in, packets out, and collisions and errors
Network detail	Packets in, packets out, and collisions and errors for each LAN device
Swap	Percent of enabled swap space that has been reserved and is active
Swap detail	Swap space available and used, and percent utilization by device and file system
Logical volume detail	Reads and writes, counts, and bytes per logical volume
System Tables	Amount of system table resources available and used, including nbuf, nproc, nfile, ninode, and shmem
NFS detail	NFS reads and writes, byte rates and response time, both inbound and outbound, for each client or server communicating with the host
	NFS read and write rate and response time for each client and server node affected by this node
	NFS in and out operation counts for the node

Process Information

Process summary	Process and parent process identification numbers, run priority, user name, CPU utilization, disk IO rate, resident set size, and resource the process is waiting on
Process detail	For each process, detailed information on CPU, detail disk, and memory utilization on block states, memory regions, and open files

Hardware and Software Requirements

- A color graphics monitor with a minimum of 1024 x 768 resolution required, and 8 color planes recommended.

For Sun SPARC systems

- Sun Solaris 2.3 or newer operating system

For HP 9000 Series 700 and Series 800 systems

- X-Windows X11.R5 & Motif Release 1.2 libraries
- HP-UX version 9.0 or newer operating system

For IBM RS/6000 systems

- X-Windows X11.R5 & Motif Release 1.2 libraries
- IBM AIX 3.2.4 or newer operating system