

Precise™ for Storage: HP

Indepth™ performance management for Hewlett Packard XP disk array environments

By collecting performance metrics from HP StorageWorks XP disk arrays and correlating this data with information collected by Precise for Oracle, Precise for Storage: HP provides a complete view of your application performance infrastructure. The holistic, “user-to-spindle” view helps you to quickly and proactively detect performance bottlenecks, improve application performance, leverage infrastructure investment, and make the best use of scarce personnel resources.

Precise for Storage: HP is linked to HP’s storage via HP StorageWorks Performance Advisor using the HP Command Line User Interface (CLUI). If, for example, Precise for Storage: HP discovers that a critical application is waiting on I/O, it’s easy to look “upstream” to understand what caused the data request.

It’s just as easy to drill down into the XP storage array via HP StorageWorks Performance Advisor to investigate how the array handled the request. Precise for Storage: HP houses all the information it collects in a rich data store, the Performance Warehouse, which virtually eliminates the need to “re-create” problems.

The Precise for Storage: HP uses low-overhead technology to capture performance information 24/7, so no time is wasted trying to catch up with a performance bottleneck. Over time, the Performance Warehouse provides the historical perspective necessary to facilitate long-term trending, analysis, and reporting.

Highlights

- Provides correlated view of storage, database, applications, and OS performance metrics
- Links I/O requests with the specific action on the

disk arrays

- Identifies and isolates the root cause of application I/O wait bottlenecks
- Provides actionable information and direction for solving performance problems
- Saves historical collection for performance trending and capacity planning
- Provides a common window into the Oracle database and HP XP storage environments

Benefits

- Find problems before the end user is affected
- Optimize performance by bridging logical (data files) to physical (HP storage)
- Expedite data retrieval by optimizing data placement in the HP storage array
- Distinguish between infrastructure components that work well and those with performance problems
- Focus scarce IT resources on real issues rather than finger-pointing and “blamestorming”
- Align tuning goals with the end-user experience
- Optimize RAID configurations to support Oracle

Discovering the difference

Designed to work with HP StorageWorks Performance Advisor, Precise for Storage: HP fulfills two critical performance management functions in the HP environment: (1) monitoring and tuning, and (2) viewing and correlating.

Monitoring and tuning

A technically unparalleled sampling method allows Precise for Storage: HP to monitor database performance without imposing appreciable CPU overhead. As a result, Precise for Storage: HP can gather information from business applications, Oracle databases, the operating system, and the HP

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StorageWorks XP system without impacting performance.

Viewing and correlating

Because it spans the infrastructure, Precise for Storage: HP can pinpoint the cause of a performance problem—wherever it might be in your environment and before the problem degrades your performance. This comprehensive performance management solution helps eliminate the guesswork and slashes the time to problem resolution when compared with conventional monitoring and tuning. Precise for Storage: HP not only monitors the infrastructure but also provides a methodology to investigate anomalies and resolve problems. And this is all done safely through simulations, without affecting production environments.

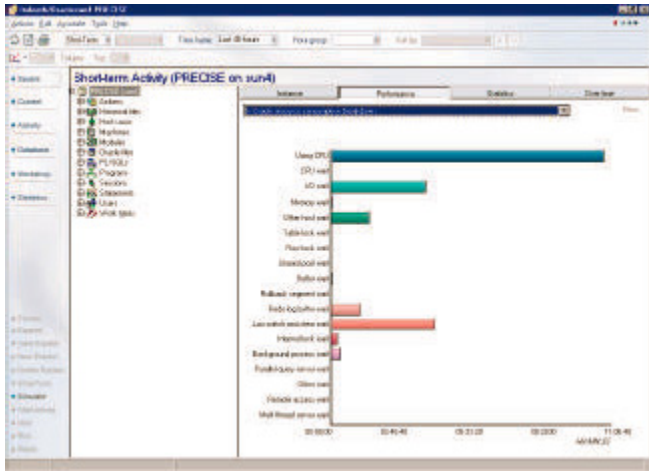


Figure 1 By mapping logical data files to physical storage devices, the user can optimize Oracle/HP performance.

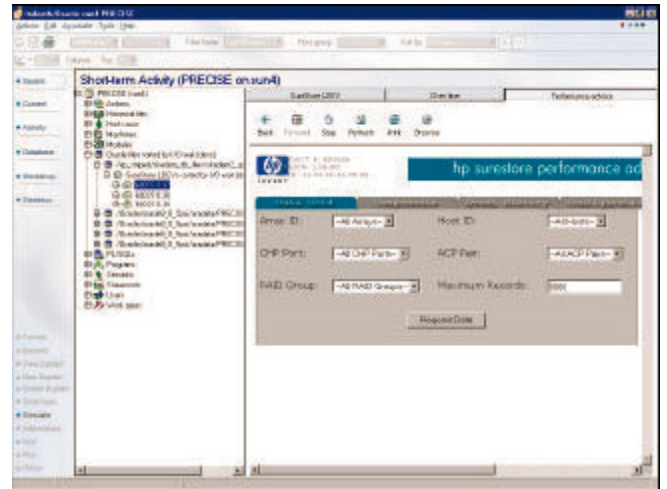


Figure 2 HP Performance Advisor XP complements Precise for Storage: HP by showing disk activity.

Discovering Precise

Precise for Storage: HP is one of the few performance management solutions that helps businesses with HP storage environments surpass their performance needs—end to end, top to bottom—while boosting their competitive advantage and return on technology investments. Precise adds a unique dimension to performance management—a holistic view of your business environment.

Holistic view of transactions

Tailored to enterprise Web, application, database and middleware systems, Precise monitors each component to identify and track problems caused by, for example an inefficient SQL statement, to their origin.

The core technology of Precise for Storage: HP also enables Precise to continuously capture and correlate information from enterprise Web, application, database and middleware systems. It gets to the root of a performance problem, regardless of the cause—ERP applications, database parameters, user customizations or extensions, or the HP StorageWorks XP configuration. Precise enables

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problem isolation and root cause drill down to reduce mean time to repair.

By optimizing the way in which enterprise systems work with your HP StorageWorks XP storage, Precise software and Precise for Storage: HP maximize the performance of your enterprise systems and help you meet—and exceed—your business goals.

About Precise Software Solutions

Commitment, Focus, Experience

For over 15 years Precise Software Solutions has helped our Global 2000 customers manage business performance in complex, heterogeneous environments, assuring availability and business continuity. Precise offers a complete solution – from discovery through ongoing management – that allows our customers to focus on their core business. We offer the broadest platform support, in terms of enterprise application, operating system, database, and development environment coverage. Precise is the solution of choice for IT as an organization-wide standard for application management.

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