

# Database Monitoring & Management

## Manage database assets expertly, efficiently

Databases have always been at the heart of the enterprise, holding the information assets crucial to any contemporary business.

Database servers have become even more important as data warehousing and data mining,

database-driven web sites, and a

plethora of knowledge management

applications have taken hold. As a

result, proactive monitoring has never

been more essential to secure the fault

tolerance of your organization's data-



With Heroix eQ™ Database Monitoring & Management solutions, the insight and experience of seasoned DBAs is always at your service. Choose easily configurable monitoring and proactive problem-solving software for multiplatform environments running Oracle®, DB2®, SQL Server™, or Sybase® Adaptive Server.

Heroix eQ monitors everything from basic system performance and memory management to corrupted control files and unsafe auto-parameterization attempts. Whether monitoring a departmental database server or a multiprocessor cluster, built-in intelligence and adaptive automation deliver more effective results with less effort. And as your data management systems grow and become more and more complex, Heroix eQ monitoring capabilities scale right along with them.

[www.heroix.com](http://www.heroix.com)

Heroix eQ Event Monitor - Microsoft Internet Explorer

HEROIX  
Heroix eQ Event Monitor

Database events - 5/3/2001 12:21:21 PM  
Default View - sorted by Event Date/Time (Descending)

Event Days: 6 hours

Computer	Event Type	Severity	Brief Text
HVDBOR	Message	Information	The percentage of sorts performed in memory for database Oracle_DB is low.
SFDBSQL	Problem (UPDATED)	Warning	The number of SQL Server 7 databases hosted on server SFDBSQL has changed.
CHDBSQ2	Problem (UPDATED)	Warning	The transaction log for SQL2K_DB (instance HRS on server CHDBSQ2) is 90 percent full.
SFDBSQL	Problem (UPDATED)	Warning	Some performance indicators have been found to be high.
SFDBSQL	Message	Information	SQL Server 7 process ID 51 is within acceptable limits for CPU time used.
CHDBSQ2	Problem (UPDATED)	Warning	SQL Server 2000 instance HRS is critically low on workspace memory at 92.7 percent used.
CHDBSQ2	Problem (NEW)	Warning	Database corrupted error(s) found in the error logs.
SFDBSQL	Problem (UPDATED)	Warning	Replication transaction latency for instance Default on server SFDBSQL is currently high.
LADBOR	Problem (UPDATED)	Warning	There are not enough DML locks for database LAAC9
HVDBOR	Problem (CLOSED)	Warning	The library cache for database Oracle_DB is fragmented.
HVDBOR	Problem (NEW)	Warning	There are not enough DML locks for database Oracle_DB
LADBOR	Message	Information	The percentage of sorts performed in memory for database LAAC9 is low.

Database events shown on Web Event Monitor

## Heroix eQ helps you to:

- ▶ Provide uninterrupted access to data for users
- ▶ Deliver data to users more efficiently
- ▶ Prevent frustration caused by frequent failures and rollbacks
- ▶ Protect data integrity
- ▶ Smoothly accommodate database growth

**Heroix eQ**  
Management Suite

# Comprehensive monitoring

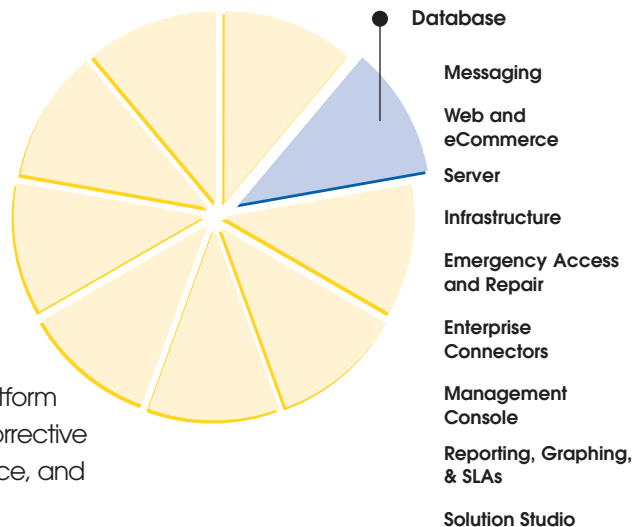
## Database Servers

<b>SQL Server™</b>	<ul style="list-style-type: none"> <li>● Status of crucial services</li> <li>● Basic performance indicators such as CPU, I/O, and memory usage</li> <li>● Excessive system resource use by, or blocking of, SQL Server processes</li> <li>● Failure of user connections</li> <li>● High replication latency</li> </ul>	<ul style="list-style-type: none"> <li>● Potential corruption, insufficient allocation of space, insufficient free space, excessive size or growth, as appropriate, for databases, writeable hard disks, and transaction logs</li> <li>● Excessive deadlocks causing rollbacks of transactions</li> <li>● More...</li> </ul>
<b>Oracle®</b>	<ul style="list-style-type: none"> <li>● Status of crucial services</li> <li>● Basic performance indicators such as CPU, I/O, and memory usage</li> <li>● Size and allocation of extents, size of database blocks and clusters, free space available</li> <li>● Potential locking problems</li> </ul>	<ul style="list-style-type: none"> <li>● Caching and sorting efficiency</li> <li>● Insufficient rollback segments</li> <li>● Corruption or errors in control files and database objects</li> <li>● Misconfigured fault-tolerance features</li> <li>● More...</li> </ul>
<b>Sybase® Adaptive Server</b>	<ul style="list-style-type: none"> <li>● Status of Adaptive Server</li> <li>● Basic performance indicators such as CPU, I/O errors, and response time</li> <li>● Network initialization and space allocation problems</li> <li>● Potential locking problems</li> </ul>	<ul style="list-style-type: none"> <li>● Potential corruptions of tables, indices, page chain, and other database objects</li> <li>● Insufficient free disk space, database space, log space</li> <li>● Potential memory problems</li> <li>● More...</li> </ul>
<b>DB2®</b>	<ul style="list-style-type: none"> <li>● Status of database, state of crucial services and database applications</li> <li>● Inefficient memory management and conditions that may exhaust available memory</li> <li>● Factors that incur extra system overhead or lower throughput</li> </ul>	<ul style="list-style-type: none"> <li>● Lock contention problems</li> <li>● Agents registered to each database instance, unassigned agents, agents awaiting tokens, and other concurrency problems</li> <li>● More...</li> </ul>

For a complete sensor listing, please visit the Heroix eQ online sensor index at <http://www.heroix.com/sensors.asp>.

## Heroix eQ Management Suite

The Heroix eQ Management Suite unifies monitoring and management across Windows NT®, Windows® 2000, Unix, Linux®, OpenVMS™, and Novell® NetWare® platforms. From a single interface, this multiplatform software family detects and resolves complex application, system, and network problems so your business can achieve the highest levels of IT availability and performance. Built-in intelligence, adaptable automation, and enterprise extensibility bring better results with less effort. Heroix eQ provides the cross-platform capabilities you need to identify issues proactively, initiate corrective action, prevent costly reboots, report and graph performance, and document compliance with service level agreements.



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Find it. Fix it. Forget it.

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