



DSAuditor

Performance Optimization and Regulatory Compliance

Embarcadero® DSAuditor™, a leading database auditing solution, helps identify performance issues, secure critical data, and ensure data privacy by monitoring all database access and activity. DSAuditor's network-based approach enables reporting on performance- and security-related events without impacting server performance, while its ability to alert on performance issues or suspicious behavior in real time minimizes the threat of downtime, tampering, or data theft.

- Understand how your business uses its databases
- Improve overall system performance
- Assure data security and privacy
- Provide scalable database monitoring

UNDERSTAND HOW YOUR BUSINESS USES ITS DATABASES

In today's world, where the only constant is change, you need a comprehensive view of how your business uses its data. You need real-time and historical insight into who is using the data, when, where, how and for how long. You need to take actions necessary to manage the usage of your data. And you need to make regular improvements that will ensure peak performance of your database and mission-critical applications across the enterprise.

IMPROVE OVERALL SYSTEM PERFORMANCE

By understanding how each database is being used, you can greatly improve the system performance without adding new hardware. With DSAuditor you can easily find dormant or redundant data; track which applications are being used, when, and for how long; and know when to develop new summary tables and indexes. These reports are particularly helpful in a data warehousing environment where unneeded data can cause severe storage and performance issues.

ASSURE DATA SECURITY AND PRIVACY

While organizations have made significant investments in securing and protecting the perimeter as well as hardening corporate servers and workstations, they have often left their most valuable information-customer records and financial information-vulnerable. DSAuditor works next to existing security solutions to protect valuable data from internal threats and ensure data privacy. With its rich auditing capabilities and intrusion detection services, DSAuditor provides the next necessary level of defense.

PROVIDE SCALABLE DATABASE MONITORING

Unlike log-based auditing tools which impact performance, DSAuditor is network-based and won't slow down your systems. High transaction throughput ensures scalability to meet demands. DSAuditor integrates easily with your existing infrastructure and supports local and wide-area networks and web-based database access applications, all without requiring native database auditing controls.

Related Products

DBArtisan®

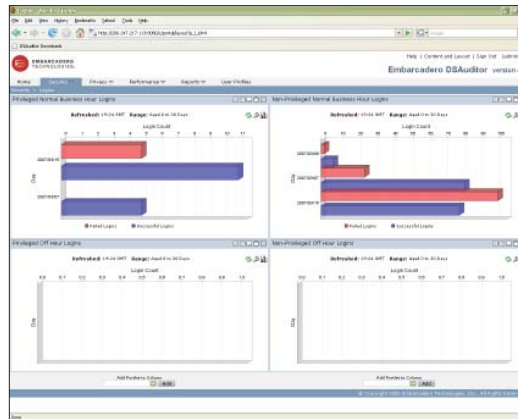
The leading cross-platform database administration solution helps DBAs maximize performance, availability, and security.

ER/Studio®

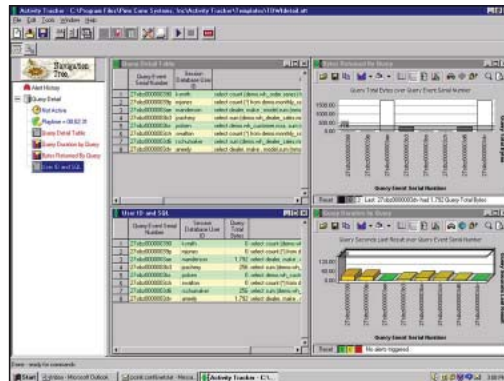
A model-driven data architecture and database design solution.

Embarcadero Change Manager™

A complete set of schema, data, and configuration tools to manage the change management lifecycle.



Customizable and preconfigured reports, suitable for technical and managerial audiences, illustrate performance, regulatory compliance, data privacy, security alerts, and usage anomalies



Real-time notification of threats reduces response time, thereby minimizing exposure and risk

Feature	Description
Granular Database Monitoring	
Identification and Authentication	Monitors and records database authentication events including: failed/successful logins, password changes, and database logins/logouts
Authorization	Monitors and records database authorization events including: permission changes (GRANT, REVOKE, DENY), user account changes, and role changes
Auditing – Data and Database	Monitors and records data and database change events including: schema changes (DDL), insert/update/delete changes (DML), and SELECT statements
Usage and Performance	Monitors and records database usage metrics including: long running queries, dormant data, most active users, and last accessed reports for users and tables

Real-time Notification	
Configurable Alert Thresholds	Defines thresholds for organization-specific needs, allowing precise definition of acceptable and suspicious activity
Real-time Alerts	Notifies IT on unusual activity such as invalid logins, unauthorized access, or database changes as they are happening, and can be delivered via e-mail (SMTP)
Session Auditing	Captures all session-level information regarding origin user ID, application, IP address, and other identifying information

Consolidated Reporting	
Reporting Templates and Scheduling	Uses predefined templates to report on common control areas for compliance reporting. Reports may include daily, weekly, or monthly summarization
Multiple Audiences	Reports may be generated for multiple audiences ranging from DBAs to IT security. Granular information may be reported as well as business-level summaries
Role-based Access Control	Granular role-based access control ensures that each person can only perform the actions and see the reports that are appropriate
Report Filtering	Report filters are used to filter out unauthorized changes or authorized access in order to pinpoint high-risk areas
Multiple Export Formats	Exports into key formats such as PDF, HTML, CSV, Rich Text Format (RTF), and Microsoft Excel® (XLS)

Network-based Scalable Architecture	
High Transaction Throughput	Sustains 5,000 queries per second and manages peak loads of nearly 40,000 queries per second, allowing scalability in demanding environments
Transparency	Database monitoring and auditing is transparent to both applications and databases, requiring no modification to application logic
Easy Integration With Existing Infrastructure	Supports local and wide-area networks, web-based database access applications, multiple configuration options, without requiring native database auditing controls

Broad Cross-platform Support	
Support for Major DBMSs	Supports IBM DB2, Informix, Microsoft SQL Server, Oracle, Sybase IQ & Sybase Adaptive Server® Enterprise (ASE), and Teradata for auditing of complex, heterogeneous environments

System Requirements					
Client Interfaces	Windows® 2000 or Windows XP 50 MB hard disk storage 128 MB RAM minimum, more recommended	Web Client	Windows XP Professional or Windows Server 2003 600 MB free hard disk space 1 GB RAM 1 GHz Pentium 4 or equivalent (3 GHz recommended)	Supported Web Browsers	<ul style="list-style-type: none"> Microsoft Internet Explorer 6.0 and higher Mozilla Firefox 2.0 and higher

DSAuditor Repository	
Supported Databases	IBM® DB2® 6.1 through 9.5, Microsoft® SQL Server 2000 & 2005, Oracle® 8.1.7 through 10gR2, Sybase® ASE 15.0, Teradata® V2R5.0 through Teradata 12.0
Hard Disk Storage	Typically 10 GB to 100 GB depending on query workload and retention policies

Server Components (software)		
Supported Operating Systems <ul style="list-style-type: none"> HP-UX® 11.0 and higher HP Tru64 4.0 and higher IBM AIX® 4.3.2 and higher Microsoft Windows XP Pro, Server 2003 via VMWare 1.0 virtual appliance 	<ul style="list-style-type: none"> NCR® MP-RAS 3.02.01 and higher Red Hat Enterprise Linux 3 or 4 Sun Solaris 2.7 and higher SUSE Linux Enterprise 10 	Storage and Memory <ul style="list-style-type: none"> Program files: approximately 15 MB Data files: varies, typically 80 MB to 800 MB Memory: 10-100 MB shared memory plus 200 MB concurrent monitored database

DBMS Platform and Version Support		
DBMS	Monitored Database Versions	DSAuditor Repository
IBM DB2	6.1 through 9.5	6.1 through 9.5
IBM Informix	7.30 through 11.10	
Microsoft SQL Server	7.0 & 2000	2000 & 2005
Oracle	8.1.7 through 10gR2	8.1.7 through 10gR2
Sybase ASE	11.9.2 through 15.0.1	11.9.2 through 15.0.1
Sybase IQ	12.4.2 through 12.5.0	
Teradata	V2R5.0 through 12.0	V2R5.0 through 12.0

Request a Free Evaluation at www.embarcadero.com

Corporate Headquarters | Embarcadero Technologies | 100 California Street, 12th Floor | San Francisco, CA 94111 | www.embarcadero.com | sales@embarcadero.com