

PRODUCT
Pervasive AuditMaster

PLATFORMS
Windows

SUPPORTED DATABASES
Pervasive.SQL V8.1/V8.5

Pervasive AuditMaster

Improving customer satisfaction through better problem diagnosis, meeting legislated requirements for electronic security and privacy, and raising the standards of corporate governance to satisfy customer and shareholder expectations: these are the challenges your customers face in today's business environment. They all come down to data accountability – the ability to know who's doing what to mission-critical data, when, where and how it's happening.

The Challenge You Face

In most data management systems, security settings authorize users' access to data, but within those boundaries, everyone is assumed to be properly trained and trustworthy. Unfortunately, not everyone is. Database access control is never enough. How do you achieve accountability within the trusted zone?

Your Solution

Pervasive AuditMaster™, Pervasive's transaction intelligence and proactive monitoring solution, is the answer. It monitors and reports all activity occurring in a Pervasive.SQL database at the database level, so your application doesn't have to.

The AuditMaster technology works by capturing database events and writing them to a log file. AuditMaster features three components:

- Log event handler
- Log database
- Log viewer

The log event handler is an easily installed database plug-in. It serves as an all-seeing "flight recorder," writing every qualifying database event into the audit trail. It's installed at the database level, so when the database is running, the event handler is running, keeping the audit trail complete. The log event handler is installed on the system with the Pervasive.SQL server engine.



The log database is a set of Pervasive.SQL files in the AuditMaster data directory. The main log file holds all audit information, such as user ID, network station ID, time and date of operation, application name, database table name, and operation type. Importantly, the log file includes before-and-after transaction images for updated records. Each time a user changes data, the log event handler writes both the original and the new record to the log.

The log viewer queries the log database, enabling a security administrator to verify past activities or analyse patterns and trends. A simple graphical interface eases rapid building of queries. AuditMaster reports can also conveniently supply evidence of compliance with best or required practices. In addition, the log viewer component is used to

STRENGTHS:

- SQL auditing
- Btrieve auditing
- Reduce support costs
- Detect fraud
- Embeddable solution
- No code changes

SPECIFICATIONS:

Supported Platforms

- Windows NT 4.0 (SP3 or higher)
- Windows 2000
- Windows 2003
- Windows XP

Supported Databases

- Pervasive.SQL V8 SP1
- Pervasive.SQL V8.5

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PERVASIVE
AuditMaster™

Pervasive AuditMaster

Monitoring and Auditing with Pervasive AuditMaster

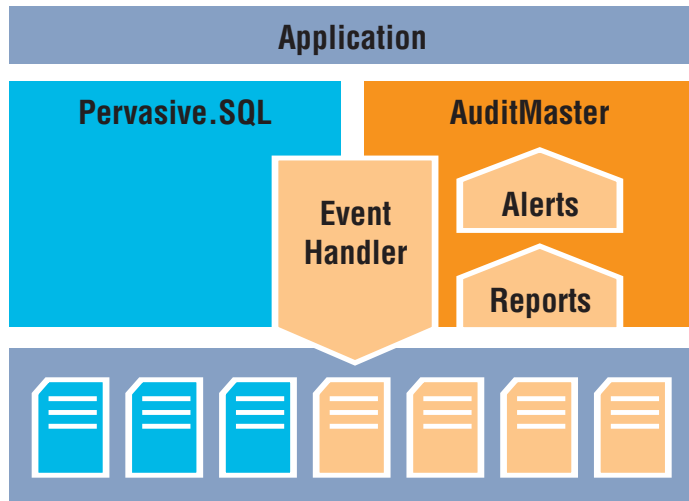


fig. 1: Pervasive AuditMaster architecture

maintain and configure the AuditMaster system. This includes creating alerts, which provides proactive surveillance on future data activity. Once defined, alerts wait for specific events of interest based on the entire range of user actions, including creating, updating and deleting data, or even simply reading it. When a watched-for event occurs, the log event handler immediately executes an alert, which can take the form of an email to one or more recipients, a call to another application, or the start-up of a new application. The log viewer may be installed on any machine with access to the Pervasive.SQL server and log database files.

AuditMaster requires no changes to your existing application code or Pervasive.SQL database. Because it's installed within the database, well below client applications, AuditMaster is application independent. It can monitor several applications, yet still identify the original source of each event in the audit trail, enabling precise internal observations of the system and detailed application auditing. In addition to viewing reports and executing alerts, the detailed audit log provides other benefits. Since before-and-after images are stored for all changes, database rollback or fine-grain, point-in-time recovery for individual records is possible by undoing changes captured in the audit trail. Furthermore, since the audit log is stored in Pervasive.SQL tables, applications can directly access log data, allowing AuditMaster to be embedded in other applications.

AuditMaster works with all Pervasive.SQL data, whether transactional or relational. In addition, AuditMaster can automatically maintain multiple metadata files on data records to support upgrades to new versions of your client application, even when data definition files (DDFs) change. AuditMaster metadata support auditing even if DDFs are missing or incomplete. In addition, if your system uses variant records, AuditMaster still performs all of the same capture, report and alert functions.

The Value to You

Pervasive AuditMaster answers the call for data accountability. Says Mark Shainman, Senior Research Director, META Group, "Cost-effective regulatory compliance, accounting fraud detection and procedural best practices are growing concerns among small and mid-sized firms around the world. Organizations must consider their options for implementing solutions that address the concern but aren't cost or deployment prohibitive." With the complete audit trails provided by AuditMaster, the data accountability your customers demand is assured.

About Pervasive Software



Pervasive Software is a leading global data-management company powering the success of application developers by providing solutions that deliver the industry's best combination of performance, reliability and low administration costs. Pervasive's strength is evidenced by the size and diversity of its customer base, serving tens of thousands of customers with hundreds of thousands of end-users in nearly every vertical market around the world. Founded in 1994, Pervasive® sells its products into more than 150 countries and is based in Austin, Texas, with offices in Europe.

More info

- To learn more about Pervasive Software and our solutions, please visit www.pervasive.com.
- Customer Interaction Center:
 - For Belgium, France, Germany, Italy, Luxembourg, The Netherlands, Spain, Sweden, Switzerland and the United Kingdom, call **+800.12.12.34.34**.
 - For any other European, Middle Eastern, African or Asian country (excluding Japan), call **+32.70.23.37.61**. For Japan, please call **+81.3.3293.5300**, or visit www.pervasive.co.jp.
- To reach the North American sales office, call **1.800.287.4383, extension 2**.
- For Latin, Central and South America, Australia and New Zealand, call **+1.512.231.6000**.

