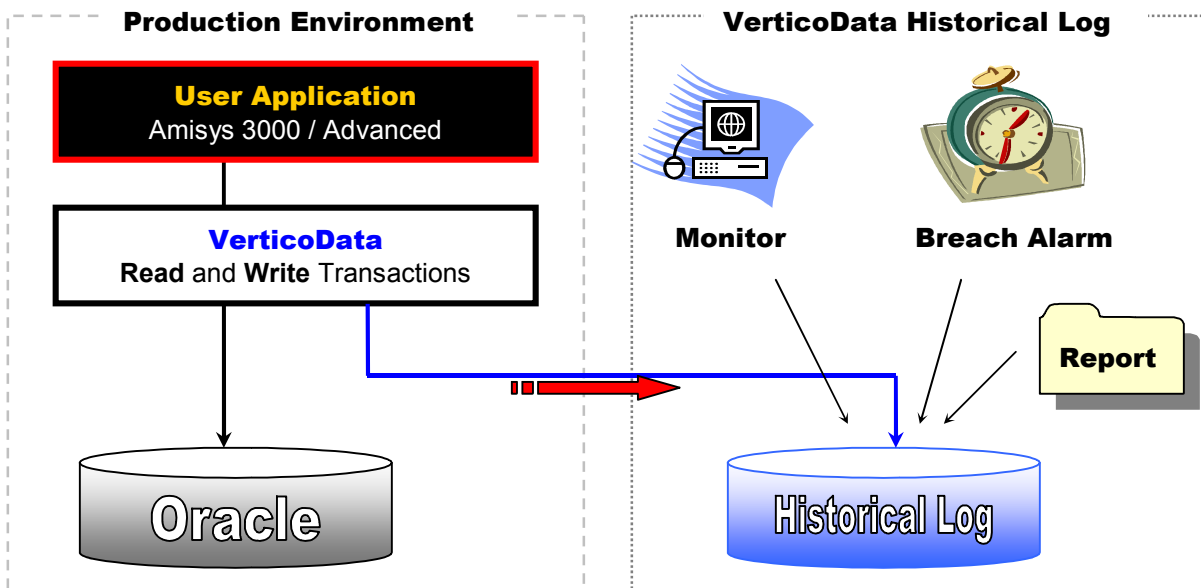


## 4D Database Technology

Relational database architecture has significantly evolved from a 2-dimensional array of data elements into 3-dimensional data objects. Since its inception, the relational database has delivered robust data storage and analysis capabilities allowing businesses effective means to collect information. VerticoData extends the capabilities in an RDB infrastructure through 4-dimensional transaction logging. 4D technology unravels data access challenges demanded by government regulations and auditing measures as well as provides a continuous secured environment to run mission-critical applications to maintain business logic and operational efficiency.

The biggest challenge to IT infrastructure is analyzing information on data from the past which does not exist in the database anymore. Risk and compliance requirements can no longer be satisfied with the capture of immediate values. A collection of data elements and its complete historical audit trail is required. Current relational database technologies cannot provide a unified solution to answer this challenge because they're missing the crucial element of time—the fourth dimension. VerticoData is iMaxsoft's answer to this challenge allowing the ability to access historical values for current data.

### VerticoData 4D Database Technology



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#### Proven Solution

VerticoData sits on top of iMaxsoft's proven, patent pending technology that has been *deployed by top Fortune 1000* companies occupying a variety of industries around the world. This powerful engine is designed for performance and has been used in many critical applications *for over 20 years*. Diverse applications, such as airline ticketing, on-line sale, shipping logistics, automobile manufacturing, telecoms, HMOs, hospital management, among others have benefited from the iMaxsoft technology in developing best-in-class applications to address their customer needs.

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## Interoperability

VerticoData is designed with an engine capable of seamless interoperability in open system environments coupled with the flexibility for further customization. The 4D Database Technology also supports both Amisys 3000 and Amisys Advance products on HP3000 & HP9000 servers. Its rich functionalities and flexibilities can be configured dynamically to meet the most sophisticated auditing requirements without any interruptions to your day-to-day operations. ***Our technology does not modify or alter standard application source code.***

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## First Industry READ Transaction Monitoring Solution

VerticoData records both *read* and *write* activity of sensitive data. While write transaction audit-trail monitoring has been implemented in some applications, read transaction audit-trail monitoring is rarely built in due to performance consideration. VerticoData technology suffers from none of the performance issues experienced by other implementations.

- Read and Write Logging** - Industry's first *read and write* transaction logging provide an enhancement for back-office IT to develop best-in-class solution and powerful auditing framework.
- Open Database Storage** - Data can be stored on SQL Server, Oracle or DB2 with built-in RDBMS tools for optimal browsing and reporting capabilities that can tell when, where, and how specific privileged users have accessed sensitive data.
- Monitoring and Prevention** - Identify questionable data access and potential breaches *before* they happen and alert proper authority.
- Powerful Search Capability** - Investigate abnormalities with a detailed *historical transaction trail* as well as audit tracking and log accessibility.

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## Performance Guarantee

VerticoData guarantees high performance. It has minimal impact on application performance and is invisible to the end users. Benchmarking tests have shown our solution offers huge gains in business efficiency and features with *less than 2% increase in overall performance overhead.*

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## Summary of Benefits

### Business Partner



- Enterprise Security** - Protect data against security breach and meet compliance requirements for HIPAA, SOX, SAS 70, PCI DSS, and GLBA.
- Data Management** - Report and monitor *when, where, and how* specific users have accessed data.
- Access Management** - Log and store every transaction by privileged users.
- Data Piping** - Powerful data capture tool for BPM and BAM solutions.
- Historical log** - Keep a complete audit trail to access historical values of your current data.