

Hitachi Content Platform and the SenSage Event Data Warehouse

Together, Hitachi Content Platform and SenSage Event Data Warehouse (EDW) effectively and efficiently solve regulatory challenges by automating the collection, retention and analysis of event log data to support an enterprise's regulatory compliance, operational analysis and forensic investigation efforts.



Store and Scale to Terabytes, Query Years of Data with Precision

Log Data Challenges

Multiple government, industry and audit regulations task organizations with two daunting challenges: how to efficiently manage terabytes of log data and how to get the most business value out of that information. Thus, valuable security, compliance and operational information residing in event logs must be centrally collected and analyzed to effectively address:

- Regulatory Compliance
- Log Management
- Messaging Management
- Anti-terrorism Solutions

Many of these regulations require the data to be retained for years to support forensic investigations. This often results in event log data becoming the largest single data store the organization has to manage.

Due to the varied nature of the log sources and the amount of data they produce,

getting useful and timely information — easily and cost effectively — to address short term security and compliance efforts is challenging.

What Is the Solution?

SenSage EDW is a data warehouse solution for event data (log data, audit logs). Designed specifically to handle event data and effectively manage the associated data volume, SenSage EDW automates the collection of event data from operating systems, network devices, databases, mail servers and custom data sources such as critical business applications.

SenSage provides analytic solutions that address regulatory compliance efforts for Sarbanes-Oxley, HIPAA (Health Insurance Portability and Accountability Act), PCI (Payment Card Industry Data Security Standards), NISPOM (National Industrial Security Program Operating Manual), FISMA (Federal Information System Management

Act), DCID (Director of Central Intelligence Directive) 6/3 and others. Additional solutions address email messaging and European Union telecommunications industry requirements for meeting anti-terrorism requests from legal authorities.

Hitachi Content Platform extends the value proposition by seamlessly integrating with SenSage so that years of data can now be securely and cost effectively retained, while still remaining available for queries, trending analysis and detailed forensic investigations.

The combination provides organizations with a cost effective method to address their collection, analysis, investigation and reporting needs over the long term.

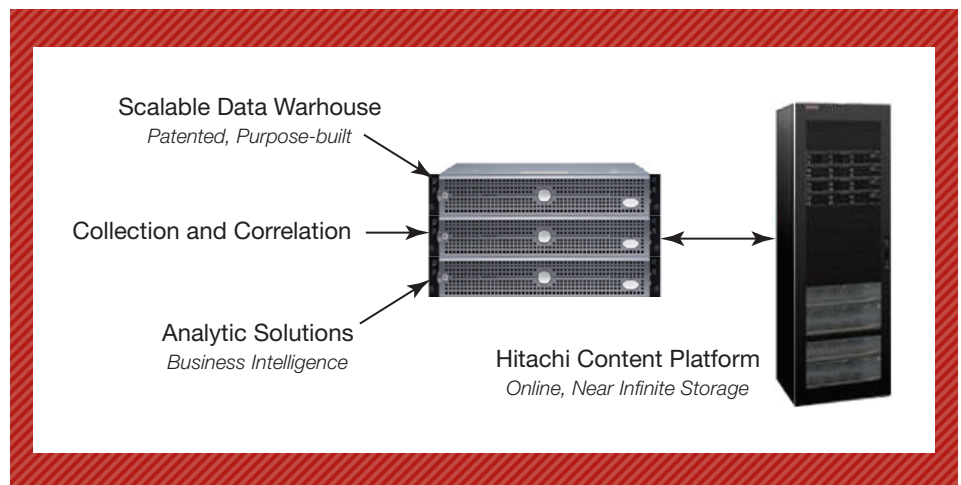
Solution Components

SenSage EDW provides a scalable log management platform, which optimizes event collection, retention and analysis to automate compliance reporting, investigation and security decision support processes.

Hitachi Content Platform is a robust object storage solution enables effective long term, fixed content data preservation. Designed to seamlessly integrate into an existing enterprise storage infrastructure, the high performance, high availability, highly scalable archiving solution satisfies an organization's regulatory compliance requirements by ensuring the secure, long term preservation and fast search and retrieval of valuable business records.

Solution Benefits

- Centralize all your user and system activities from across the enterprise in a single, secure event data warehouse at a fraction of the price of traditional data warehouse solutions.
- Meet key compliance requirements and data retention mandates surrounding Sarbanes-Oxley, HIPAA, PCI and other regulatory mandates.
- Perform precise, detailed forensic investigations across years' worth of data using the same method with which you run daily reports.
- Better manage your IT infrastructure by using long term trending to identify factors such as peak activity times of the year and devices that issue more error messages than the norm.
- Scale to process hundreds of terabytes of event data, providing access to years of valuable operational information while storing the content under "write once, read many" (WORM) protection.



Solution Highlights

- **Collect Everything You Need:** Thanks to agentless, automated full log capture with 200 products supported, you don't have to make choices about which sources to monitor and what data to collect, about batch and streaming collection from the business application to the mainframe or about field level parsing of custom sources.
- **Store and Retain All Your Data:** The patented, purpose built, columnar database for event data uses compression and a clustered architecture to scale from one to hundreds of gigabytes per day. It is secure in that ALTER and DELETE capabilities have been eliminated, and self maintaining in that no database administrator is needed. The minimum configuration provides one year of data — online and queryable.
- **Scale to Terabytes and Query Years of Data:** The Hitachi Content Platform extends the SenSage EDW solution so that years of data are not only securely stored, but also still fully queryable.
- **Query One Day or Query Five Years the Same Way:** The combination of SenSage EDW and Hitachi Content Platform provides users a seamless reporting module. A query against five years of data is completed exactly the same way as a query against one day.
- **The Query Precision You Need:** Compliance and forensic investigations demand the maximum level of accuracy, which SenSage provides by using the power and precision of SQL. This method is unlike approaches that employ "Google-like" indexed searches, which may miss data on searches on non-indexed fields or, conversely, return hundreds or thousands of false hits.
- **Alert, Analyze and Investigate:** Features include pre-defined reports mapped specifically to the regulatory standards, real time event correlation, graphs and table views, dashboards, policy exception analysis, forensic investigations, report scheduling and electronic delivery options.

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