



“Ambeo has helped us enhance performance and responsiveness for key users. Now we can better allocate hardware usage and it is an important vehicle for HIPAA compliance.”

*Steve Barlow, Manager
Enterprise Data Warehouse Department
Intermountain Health Care*

Intermountain Health Care Attains Better Data Privacy and Management with Ambeo Database Access Auditing Products

Intermountain Health Care, a leading integrated healthcare delivery system in Utah, is using Ambeo’s suite of Database Access Auditing solutions to manage its Enterprise Data Warehouse. Intermountain Health Care is comprised of a diverse network of clinics, hospitals and a health insurance company. It faces an enormous challenge in serving its doctors, medical, administrative staff and their patients with up to the minute, comprehensive patient data in a fast changing environment.

Responding to Users

Intermountain Health Care’s data warehouse resides in an Oracle database, with source databases being primarily Oracle, SAP and Microsoft. The current Enterprise Data Warehouse contains 1.5 terabytes of data and supports 850 users. Almost all of Intermountain Health Care database users are internal, including executives, business analysts, statisticians, business managers and quality improvement analysts.

According to Steve Barlow, Manager of Intermountain Health Care’s Enterprise Data Warehouse, his department needed to enhance performance of the data warehouse and assure compliance with HIPAA regulations. They also needed to identify the most valuable tables and data sets used by users, and which were queried most often, so that they could better focus their tuning efforts. Using Ambeo, Steve and his team track frequency of use by specific users and response time for specific queries. They then compare the usage data over time, stratified by user type, department and type of query. Using this information, they now can proactively decide where to concentrate their tuning efforts.

Supporting Compliance with HIPAA

HIPAA is a series of government regulations designed to protect patient privacy and provide more security for medical information. HIPAA provides enormous benefits, but compliance with HIPAA places a major strain on a health care provider’s data management resources. Using Ambeo, Steve Barlow and his team are able to provide a smoother and less costly transition for Intermountain Health Care.

Ambeo provides Intermountain Health Care the ability to:

- Enhance data and business performance
- Comply with HIPAA regulations smoothly and cost-effectively
- Ensure access to patient data is secure
- Eliminate access by unauthorized sources
- Allocate and plan hardware resource use and upgrades
- Identify dormant data
- Provide users the performance they need in a fast-changing environment
- Highlight dormant employee accounts



"We selected the Ambeo suite because it was the most cost-effective solution and provided great ease of use. It had the complete and robust data elements we needed, and it allowed a much lower overhead on our production systems than its competitors."

Steve Barlow, Manager
Enterprise Data Warehouse Department
Intermountain Health Care

Database Access Auditing Suite

Ambeo's suite of database access auditing software solutions provides real-time and historical insight into who is using your data, when, where, how and for how long. A comprehensive view of how your business uses its data and making that information easy to understand is critical—and *that's* what IT, Compliance and Security management get with Ambeo.

One important feature of HIPAA compliance is to restrict access to patient records. The goal is that only those who "need to know" have access to a patient's data. With the auditing capability that is built into the Ambeo product suite, Intermountain can comply with HIPAA regulations through the ability to track any access against any patient-identifiable data and records. Unusual or increased activity searching a patient's records is flagged.

Ambeo provides a powerful way to eliminate account access by former employees or unauthorized sources that may hack into the system using previously "invisible" accounts. Ambeo highlights employee accounts that are dormant for an extended period, serving as a flag to restrict access to those accounts in the future.

Benefits of Looking at Trends

Given the vast quantities of data under management, Intermountain needs to monitor and improve the performance of individual queries over time. With Ambeo, they can identify areas where specific response times can be improved as well as determine how to allocate hardware, and plan for hardware upgrades.

Ambeo provides Intermountain Health Care with the ability to free up valuable hardware resources by identifying data that is rarely accessed. Such data can then be stored more cost-effectively offline instead.

Expanding the Role of Ambeo's Software

As the data warehousing team takes on more responsibility regarding data management, they continue to find new uses for their Ambeo software. The Enterprise Data Warehouse group has recently established a weekly review process to focus on key metrics as a means of addressing user performance. One of those metrics focuses on identifying the longest running queries. Ambeo's products provide a powerful benefit by merging a historical view of usage with the ability to see what's happening now. The Ambeo suite of database access auditing solutions empowers Intermountain Health Care to find more effective ways to improve data security, compliance and performance.

About Ambeo

Since 1997, Ambeo's solutions have provided database access auditing for data privacy, regulatory compliance, and usage management to Fortune 1000 companies with some of the largest database environments in the world. Ambeo's True Zero Overhead™ solutions provide information about how users actually interact with data, the crucial element of any IT compliance strategy. Compliance, Security and IT management now have the visibility required to confirm regulatory compliance, protect data privacy, reduce risk of unauthorized data access, proactively manage data environments, and maximize database investments.

For more information about Ambeo's database access auditing solutions, please contact us at 719-548-7400 or sales@ambeo.com, or visit our website at www.ambeo.com.