

## CASE STUDY

Intel® Xeon® processor 5600 series

Enterprise Server

Energy Efficiency, Environment, and Performance

Automation and Cost Savings in the Cloud



# Optimized Data Reduces Healthcare Costs

**Intel® Xeon® processor 5600 series helps MedeAnalytics deliver performance management solutions to physicians, hospitals, and insurance companies**

With healthcare costs rising, physicians, hospitals, and insurance companies scramble to look for ways to reduce their costs. One of the most difficult tasks is analyzing and understanding reams of data from disparate sources. MedeAnalytics simplifies this process—and saves space and energy in its data center—by using Intel® Xeon® processors to aggregate large volumes of data and provide it in an accurate, easy-to-analyze format. Healthcare providers can easily drill into the data to understand how they can improve clinical, financial, and operational outcomes.



## CHALLENGES

- **Improve performance.** Older systems did not provide the performance MedeAnalytics needed for its business analytics platform.
- **Increase stability.** Reliable, stable systems are essential to the daily data crunching MedeAnalytics does for its customers.
- **Reduce electrical costs.** The cost for data center electricity was a major issue.

## SOLUTION

- **Standardize on a platform that delivers higher performance.** MedeAnalytics migrated from older IBM servers to new IBM BladeCenter® blade servers outfitted with the high-end Intel Xeon processor 5600 series to accelerate server consolidation and substantially improve their platform's reliability, stability, and performance

## IMPACT

- **Major cost and energy savings.** MedeAnalytics now uses about one-third as many servers as before, thus substantially saving on energy costs. Fewer servers also means a smaller footprint in the data center, which reduces heating and cooling costs as well.
- **Faster results for customers.** Customers get a quicker return on their reports that run overnight. They can also run larger queries and not see a performance impact.
- **Building for the future.** MedeAnalytics plans to migrate to a new database architecture in the near future. The greater memory capacity and higher-performing processors have it positioned to make this a seamless migration.

## Reducing Healthcare Costs

With healthcare costs rising, physicians, hospitals, and insurance companies are looking for ways to better understand their business practices so they can identify opportunities to reduce costs and streamline processes. Additionally, healthcare reform will require healthcare organizations to report on quality metrics to the government as a condition for reimbursement or incentive payments.

Healthcare organizations are racing to meet these mandated reporting requirements.

MedeAnalytics helps healthcare organizations deal with these issues by aggregating data from disparate sources, such as clinical and financial data from hospital systems. MedeAnalytics cleanses and normalizes the data and provides it to its clients in an accurate and prescriptive way, letting them view it as a high-level

**MEDEANALYTICS®**

MEASURE. MANAGE. LEAD.

"The foundation provided with the new Intel® platforms and systems really raises the bar for us and what we're able to do for our clients."

— David Personne,  
Vice President of Information Technology,  
MedeAnalytics



# Using the Intel® Xeon® processor 5600 series, MedeAnalytics helps organizations thrive in today's fast-changing healthcare environment

scorecard for an executive overview or drill into a specific area to analyze costs and make adjustments to their organizations based on the information. Data from all the systems within the hospital or physician's environment can be analyzed on multiple levels.

MedeAnalytics analyzes insurance claims information as well. Claims information from major insurance companies is deciphered and presented to hospitals so they can collaboratively work with the claims data, establishing payer-provider transparency.

## Weeks and Days become Minutes and Seconds

Slicing and dicing so much data is a monumental task, especially with over 800 clients wanting data reported on a regular basis. Using the Intel Xeon processor 5600 series, MedeAnalytics has substantially improved its ability to quickly provide data to customers. According to David Personne, vice president of information technology at MedeAnalytics, "In seconds and minutes, we can put data in front of our clients that previously not only was unavailable, but if our clients did try to dig into it, it might take them days and weeks to pull all the information together. We can really impact the performance of these hospitals and clinics."

## Healthcare in the Cloud

MedeAnalytics' healthcare performance management solutions are in the cloud and operate on a software-as-a-service (SaaS) model. Clients perform their own analytics on the data in the cloud using dashboards and analytical queries.

Virtualization and Intel® Hyper-Threading Technology in the Intel Xeon processor 5600 series enable processing that makes multitasking quick and effortless. MedeAnalytics considers this critical to its business.

The Intel Xeon processor 5600 series aggregates data in a smaller window at night, making it ready for clients when they arrive at the office in the morning. According to Doug Hart, associate vice president of marketing and corporate communications at MedeAnalytics, "Clients have really benefited by the increased performance, reliability, and availability of the new systems." Hart goes on to say, "Clients get quicker return on their reports, and search queries take less time with the enhanced performance capabilities. They can run larger queries and barely notice a performance impact."

## Streamlined IT

The new deployment has helped MedeAnalytics run a smaller IT department. According to Personne, "This architecture gives us the capability to provide optimal management and administration of the infrastructure with fewer people."

## SPOTLIGHT ON MEDEANALYTICS

Founded in 1994, MedeAnalytics delivers performance management solutions across the healthcare system—including hospitals, physician practices, and insurance companies—to ensure accountability and improve financial, operational, and clinical outcomes. Solutions address revenue cycle, patient access, clinical operations, staff productivity, regulatory compliance, finance and accounting, and enterprise performance management. MedeAnalytics works with over 800 healthcare organizations using a hosted software-as-a-service (SaaS) model that reduces up-front costs and enables rapid implementation and exceptional time-to-value. The company has offices in Emeryville, Calif., Dallas, and London.

MedeAnalytics has other performance measures for the Intel platform. Personne sums this up by saying, "We use an SaaS model, and the key performance measures of having Intel servers, reducing the footprint by needing fewer servers, the cost savings from using less power, and the platform virtualization all have a positive impact on our clients. All this without having any issues reported back to us in our customer feedback channels. Intel processors are really changing the whole shape of our business."

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