

ST. ANTHONY'S MEDICAL CENTER MAINTAINS HEALTH AND CONTROL WITH TURBONOMIC



Improved Application Performance



Reduced User Tickets



Control over Complex Environment



SITUATION

The third-largest medical center in the St. Louis metropolitan area, St. Anthony's Medical Center provides advanced care and medical services to a population of nearly 900,000 people. Established more than 130 years ago, St. Anthony's is staffed by approximately 4,000 employees, 800 physicians and other medical professionals in private practice.

For the last 18 years, Alvin Lamkey has been a pivotal member of the IT team at St. Anthony's. As System Administrator Team Lead, Lamkey is responsible for the center's central data center, servicing the main location as well as St. Anthony's four urgent care facilities. He leverages VMware vSphere® ESXi™ 5.1 and 5.5 across his 80% virtualized environment, supporting more than 650 VMs and applications critical to the center's ability to provide quality care to its patients.

"Our biggest issue was with High Availability (HA), making controlling for performance near impossible," said Lamkey. "While some workloads ran high on memory utilization and others ran low, it was increasingly difficult to optimize our environment." Although Lamkey had a monitoring tool that could tell him the issues he was facing in his data center, it couldn't do anything to fix it.

"From the first day we implemented it, Turbonomic was already resolving issues in our environment."

– Alvin Lamkey, System Administrator Team Lead

In 2014, Lamkey was introduced to Turbonomic and just minutes into the product demonstration he and his team saw the benefits the platform would bring. "The biggest selling point was the issue resolution," said Lamkey. "The ability to pinpoint an issue, predict what will be a problem, show how to implement a resolution and even fix it before it becomes a problem, it hit home with us."

COMPANY

St. Anthony's Medical Center
www.stanthonyomedicalcenter.com

CHALLENGES

- Inability to guarantee performance of mission-critical applications in complex virtual environment with existing tools
- Inconsistent Quality of Service (QoS) and disruption of virtualized workloads
- Inefficient use of virtual and human resources

TURBONOMIC SOLUTION

- Turbonomic intelligently and automatically senses changes to application demand and adjusts infrastructure supply in real-time to improve utilization and ensure service delivery

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As a major medical center, St. Anthony's utilizes EpicCare, an electronic medical record (EMR) application, to streamline patient care and access to information. "These are massive and critical workloads that have stringent requirements," said Lamkey. "Turbonomic pinpoints where there are bottlenecks or storage congestion, and gives me the preventative actions necessary to keep our environment healthy and the EMRs running smoothly."

Since deployment of Turbonomic and automation of vMotions, Lamkey and his team have received far fewer user-generated tickets and system alerts. "When you let Turbonomic take the vMotions and manage issue resolution within your virtual environment, it gives you the time back to deal with more important projects."

"I'D EXPECT WE'LL HAVE DOUBLED OUR VIRTUAL ENVIRONMENT IN THE NEXT 5 YEARS"

St. Anthony's has experienced near-constant growth over the last 10 years, especially in the VMware environment, and the momentum continues. "We are in the midst of a number of major projects right now, including the expansion of our existing VDI environment," said Lamkey. "Turbonomic's planning function has allowed us to map out what our environment would look like if we made certain additions, and has provided us with the actions to maintain control during this period of growth."

RESULTS

- *Autonomic platform drives real time performance across a diverse environment*
- *Rapid realization of value within one day of deploying Turbonomic*
- *Maximized utilization of data center infrastructure*
- *Reduced number of user-generated tickets and complaints*
- *Reduced time spent monitoring and manually resolving issues*

"Turbonomic resolves issues for you before they even happen, optimizing your environment in the process. It has honestly done everything we were told it would do."

- Alvin Lamkey, System Administrator Team Lead, St. Anthony's Medical Center

ABOUT TURBONOMIC

Turbonomic delivers an autonomic platform where virtual and cloud environments self-manage in real-time to assure application performance. Turbonomic's patented decision engine dynamically analyzes application demand and allocates shared resources to maintain a continuous state of application health.

Launched in 2010, Turbonomic is one of the fastest growing technology companies in the virtualization and cloud space. Turbonomic's autonomic platform is trusted by thousands of enterprises to accelerate their adoption of virtual, cloud, and container deployments for all mission critical applications.