

The University of Kansas Health System Leverages GigaSECURE® Security Delivery Platform to Reduce Complexity and Secure Its Network

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—Henry Duong, Infrastructure Security Manager, the University of Kansas Health System

Customer Benefits

- Streamlined compliance
- Cost savings
- Increased efficiencies

Gigamon Solution

- GigaSECURE Security Delivery Platform with:
 - GigaVUE® visibility nodes
 - GigaSMART® traffic intelligence including NetFlow / Metadata Generation and Application Filtering
 - Inline bypass

Gigamon Partners

- Palo Alto Networks
- ExtraHop

Challenges

As the region’s premier academic medical center, the University of Kansas Health System offers a full range of healthcare services at multiple locations throughout Kansas City. One of the leading hospitals on US News and World Report’s top hospitals list for the tenth year in a row, the organization is known for its high quality notch care and specialists, and it boasts more than 10,000 employees connected to a rapidly expanding network.

While the growth has been positive, the breadth and complexity of its IT infrastructure has grown along with it. Multiple offices share patient electronic medical records and files that must be properly secured at each stage of treatment while remaining compliant with healthcare data regulations including HIPAA and HITECH. There is a wide variety of devices being connected to the network, including FDA-regulated medical devices that cannot go through the types of security testing that computer equipment would. The organization also processes credit card payments and must be compliant with the PCI standard.

“When you oversee a network tied to critical patient care, it is essential to keep it both live and secure on a continual basis. There’s no room for error,” said Henry Duong, Infrastructure Security Manager, the University of Kansas Health System.

Solution

To address these challenges, the University of Kansas Health System relies on a combination of GigaSECURE Security Delivery Platform and security tools from Palo Alto Networks, ExtraHop and others to provide visibility into the organization’s data in motion. The Gigamon solutions are set up in a bi-directional, inline configuration that enables them to handle traffic between multiple campuses and data centers.

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Results

The Gigamon solutions help the organization see what matters across their corporate network. They have gained visibility into traffic moving east to west across the data center, plus north to south and across the internal network as well. By helping to ensure that the traffic is hitting the proper security solutions such as its data loss prevention tool, the organization’s overall security posture is improved. The University of Kansas Health System is also able to streamline its compliance demands, such as running high quality HIPAA reports. In addition, its staff is able to invest less in security tools because they can accomplish more with less of them when used in tandem with the Gigamon solutions.

“Gigamon enables us to take a ‘one to many’ approach. In other words, we can feed copies of our traffic to multiple security tools and ensure it is being properly scrutinized without impacting the network,” said Duong.

About University of Kansas Health System

The University of Kansas Health System in Kansas City is a world-class academic medical center and destination for complex care and diagnosis. Its physicians are researchers and educators expanding the boundaries of medical knowledge.

About Gigamon

Gigamon provides active visibility into physical and virtual network traffic, enabling stronger security and superior performance. Gigamon’s Visibility Platform and GigaSECURE®, the industry’s first Security Delivery Platform, deliver advanced intelligence so that security, network and application performance management solutions in enterprise, government and service provider networks operate more efficiently and effectively. See more at www.gigamon.com, the [Gigamon Blog](#), or follow Gigamon on [Twitter](#), [LinkedIn](#) or [Facebook](#).