

Seattle Cancer Care Alliance Selects Gigamon for Pervasive Visibility Across Virtual and Physical Infrastructure

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—Matt Plitnik, IT Infrastructure Manager

Customer Benefits

- Improved security tool performance
- Visibility provides greater ability to understand and protect sensitive patient information
- Increased ability to manage tools across physical and virtualized environments

Gigamon Solution

- Gigamon Visibility Platform, including:
 - GigaVUE-VM
 - GigaVUE-HD4 Visibility Node with Flow Mapping technology
 - GigaSMART® module

Gigamon Partners

- ExtraHop
- Cisco SourceFire

Challenges

Seattle Cancer Care Alliance (SCCA) is a world-class cancer treatment center that unites doctors from Fred Hutch, UW Medicine, and Seattle Children’s to lead the world in the prevention and treatment of cancer. They chose Gigamon to gain the visibility needed to protect the critical information and research they retain and to help ensure maximum network performance. This pervasive visibility enables them to offer the best tools and systems available to the doctors and administrators of the clinic so they can, in turn, provide the best possible treatment for their patients.

“Not only do we need to monitor the performance of our environment, but in today’s world of breaches and hackers targeting patient data and information, it’s absolutely necessary to have advanced feature-rich solutions to monitor and secure that information. The question becomes how to feed these solutions and integrate them into a holistic monitoring infrastructure,” said Matt Plitnik, IT Infrastructure Manager.

In the healthcare field, there are a variety of systems that need to be monitored for performance and reliability. Hospital and clinic environments have connected various systems to their network like infusion management, electronic health records, patient monitoring, order entry, and medicine administration. This is in addition to the hospital, lab, and financial management systems. Some of these are critical, life saving, or life-sustaining systems to patients of the hospital and performance problems or failures could be disastrous. Each one of these systems has associated applications that need to be monitored for performance, regardless of whether they are deployed in a physical or virtual environment.

Seattle Cancer Care Alliance’s demanding and sensitive environment requires a variety of tools. This includes Cisco SourceFire intrusion detection and prevention systems (IDS/IPS) to secure their network while utilizing the real-time wire data analytics solution, ExtraHop, to monitor and ensure application performance. They also have about 200 virtual machines running in their data center. This includes 50 core applications and approximately another 150 applications running in their

virtualized and physical environments with varying degrees of application maturity. They wanted to be able to provide the necessary visibility from these physical and virtual environments to all of the tools in the monitoring infrastructure.

Solution

Seattle Cancer Care Alliance implemented the Gigamon Visibility Platform including: GigaVUE-VM for visibility into virtual workloads, the modular GigaVUE-HD4, and patented GigaSMART® and Flow Mapping® technology to provide intelligent visibility of traffic flows across virtual and physical environments.

Results

Seattle Cancer Care Alliance's edge is being upgraded from 100Mb Fast Ethernet to 1Gb and 10Gb data center interconnectivity, while their backbone is all 10Gb. The Gigamon Visibility Platform was able to provide access to traffic from these links of various speeds. They were able to deploy their Cisco SourceFire IPS/IDS to secure their environment from malicious attacks and breaches and leverage it to its full capacity using the intelligent aggregation. At the same time, the Gigamon solution enabled them to serve up only the relevant data from the virtual and physical environments to their ExtraHop real-time wire data analytics solution. They managed the creation of map rules and monitoring policies through the solution.

"With Gigamon, you get a turnkey solution that can do it all and then scale as you grow adding new tools as needed. It really was measure twice, cut once," said Plitnik.

"Gigamon really helps with the efficiency of our operations, too. The network engineer can touch the network fewer times to monitor, troubleshoot, or look for anomalies. You can tweak and tune things on the fly so you don't have to interrupt normal business operations to change something to the monitoring infrastructure," said Adrian Lane, Network Architect.

About Seattle Cancer Care Alliance

Seattle Cancer Care Alliance brings together the leading research teams and cancer specialists from Fred Hutch, Seattle Children's and UW Medicine - one extraordinary group whose sole purpose is the pursuit of better, longer, richer lives of our patients. Seattle Cancer Care Alliance is ranked among the top 10 Best Hospitals in the Nation for Adult Cancer Treatment by U.S. News & World Report.

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](#).