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ShowNet at Interop Tokyo

International Expo Showcases Savvius Vigil's Network Security Analytics

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Interop Tokyo ShowNet NOC team in charge of interop's network security design and operation

Interop Tokyo is an annual technology trade show held at the Makuhari Messe in Japan, attracting more than 140,000 visitors from every segment of the Information and Communications Technology space. The event brings together the world's IT community to present and showcase emerging trends on a range of topics, including network security, software defined infrastructure, IoT, and cloud and data center operations.

ShowNet

Each year, Interop Tokyo's Network Operations Center (NOC) team sets up a test-bed network called ShowNet to showcase advanced networking, application and security technologies. The other goal of this three-day display is to provide Internet connectivity throughout the exhibition area. As one of the largest live network demonstrations in the world with a trunk capacity of 100 Gbps, this network is the ideal platform for exhibitors to demonstrate their cutting-edge products and capabilities.

At this year's event, almost $75 million worth of network and security equipment was installed by the ShowNet team, exhibitors and various

Savvius Vigil is the security industry's first dedicated appliance capable of intelligently selecting, capturing, and storing months of relevant network traffic to enable network forensics during investigations of security incidents.

Savvius Omnipliance, an industry-leading packet capture and analysis appliance, enables real-time and post-event analytics at up to 25Gbps. Using Savvius packet intelligence, Omnipliance gives IT engineers the power to resolve network and application performance issues on 1/10/40 Gigabit Ethernet, 802.11ac WLAN, VoIP, and video-over-IP networks.

Savvius Omnipeek, best-in-class network diagnostics software, delivers intuitive visualization and effective forensics for faster resolution of network and application performance issues. Savvius packet intelligence enables Omnipeek to provide rapid analysis and trouble-shooting of wired and wireless networks, local and remote.

contributors. This high-speed network was put through its paces by teams of enterprise network and security experts, academic societies and research institutes in an effort to test and document future network technologies.

The Solution

As part of ShowNet's 2016 network topology, Savvius contributed the latest Savvius Vigil™ network forensics appliance, deployed behind IDS/IPS devices running on a 10 Gbps section of the network.

Savvius Vigil integrates with the world's leading IDS/IPS/SIEM devices to automatically collect suspicious network packets once triggered by an event. The appliance is able to integrate with multiple IDS/IPS/SIEM devices simultaneously, storing critical network data, including network conversations between specific IP addresses. Traffic between relevant nodes is constantly being buffered, allowing the appliance to capture data from five minutes before and after any triggered events.

In addition to Savvius Vigil, a Savvius Omnipliance® TL appliance was also deployed at ShowNet. Providing network visibility, application performance analysis, and network performance diagnostics, ShowNet chose to use Savvius Omnipliance specifically for its network troubleshooting capabilities.

The Result

During the three-day show, the ShowNet NOC team recorded a tremendous number of events from the various security devices deployed across the network. Savvius Vigil received an average of more than 300,000 events per day, and captured 1.73TB of event-driven packet data during Interop. After examining these results, the NOC team decided to retrieve and analyze packet data from ten of these events. The NOC team then demonstrated how quickly they were able to isolate the data they needed from Vigil, and exported it to Savvius Omnipeek® for rapid and effective investigation of the specific events.

"Savvius Vigil's ability to automatically capture and store packet data from five minutes before and after each event greatly impressed our team. The appliance's functionality contributes enormously to rapid incident analysis," said Takashi Tomine, Ken Hashimoto, Kazunori Kamiya and Kazuya Okada, members of the ShowNet NOC team in charge of network security design and operations. "The demo here at Interop gave us a first-hand look at the value Vigil brings by enabling accurate analysis of incidents. It also proved that if you want to have a successful investigation, access to packet data is an absolute must."

When it came to troubleshooting the network's issues during the show, the NOC team was also delighted with the capabilities of the Savvius Omnipliance TL appliance.

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"Savvius Omnipliance can capture and store network packets without any packet loss at all," continued the ShowNet NOC team members. "On such a fast, critical network, Omnipliance proved itself to be a great asset in finding the cause of issues during the show."

With more than 500 exhibiting companies and a range of new technologies on display, Savvius Vigil was able to beat out almost 300 other vendors to receive a Best of Show award in the Network Management and Monitoring category. Interop Tokyo's judges were particularly impressed with Vigil's unique ability to buffer five-minutes of network traffic, automating the process of data collection and offering enterprises a significant boost in managing incident response.

About Savvius

Savvius offers a range of powerful software and appliance products that automate the collection of critical network data for network forensics in security investigations and for network and application performance diagnostics. Savvius products are trusted by network and security professionals at over 6,000 companies in 60 countries around the world. Visit www.savvius.com for information about Savvius Omnipliance®, Savvius Omnipeek®, Savvius Vigil™, and Savvius Insight™, and to learn about Savvius technology and channel partners.