

SBI Holdings Quarantines Network and Prevents Attacks with Network VirusWall™ Enforcer

SBI Holdings, Inc. and its subsidiaries engage in a diverse range of business lines including securities, credit, and asset management. The company wanted top-level security solutions so that its stakeholders could enjoy peace of mind.

SECURING FINANCIAL OPERATIONS AND INFORMATION

“For our new quarantined network solution, we wanted to check out every antivirus product that was out there. Network VirusWall Enforcer was the best match for our requirements. And Trend Micro Control Manager simplifies the ongoing management. We can view and control everything with one console.”

— Kazuhiro Anzai, Assistant Manager, IT Solutions
SBI Holdings, Inc.

Yoshiaki Shintaku, the manager of the IT Solutions division, which manages the overall IT information infrastructure for SBI Holdings, explained how the company has traditionally handled security. He stated, “We are working actively to make security enhancements, in order to avoid the potential loss of confidence that can be caused by inadequate security. We give a thorough security education to the employees in each group company via e-learning, which includes a video from our CEO explaining that we will provide the best security for the current situation.

As part of this goal, Mr. Shintaku and his colleagues recently focused on antivirus strategies. The team constructed a multilayer antivirus solution using Trend Micro™ OfficeScan™ Client Server Edition. Mr. Shintaku said, “We considered that if the worst happened and there was a virus infection, we wanted to limit the damage to the minimum extent possible. Our communication infrastructure is one of the major parts of our business backbone, and we would have problems if it went down due to a chain reaction of events. We went for a quarantined network, which stops viruses proliferating on each individual VLAN, and also protects each client using the virus pattern files of OfficeScan.”



KEY BENEFITS

- **Protection.** Attempted attacks are blocked from the network.
- **Control via Enforcement.** Security policies quarantine machines with viruses and other malware.
- **Knowledge.** Network usage information can be gathered for security analysis that supports optimal decision making.
- **Simplicity.** The centrally managed solution makes it easy to deploy and manage remote branch locations.

CONSTRUCTING ITS QUARANTINED NETWORK

The quarantine solution for SBI Group is based on Network VirusWall™ Enforcer 2500. Explaining the reasons for this selection, Mr. Shintaku stated, “Trend Micro Network VirusWall Enforcer gives us an extremely high level of compatibility with products such as Trend Micro OfficeScan Corporate Edition and the ServerProtect™ solution. Its compatibility with Trend Micro Control Manager™ also allows us to centrally control everything for all of our sites.”

SBI Group also required the solution to coexist on the network that supports IP telephony, an important means of communication for the company. Mr. Shintaku said, “Fiber optic links connect the main sections of our network. After switching over the redundant lines properly, and testing to make sure that there were no problems with voice data, we saw that there was nothing to worry about. Network VirusWall Enforcer was very unobtrusive and we were able to go ahead with the deployment with confidence.”

SOLUTIONS TAILORED TO SITES OF VARYING SIZES

Network VirusWall Enforcer appliances are designed to protect individual network segments or large datacenters. While Network VirusWall Enforcer 2500 supports a maximum throughput of 1.2Gbps, suitable for a company’s backbone network, Network VirusWall Enforcer 1200 supports up to 180Mbps and is a more cost-effective solution for branch offices. The specifications of the products also include security policy settings such as the possible number of sessions and users, in line with their intended use cases. The majority of the security-related features, such as quarantine functions and network antivirus functions, are almost identical in the two appliances. This means that both appliances can coexist on the same enterprise network.

THE DEPLOYMENT

Kazuhiro Anzai, assistant manager of the IT Solutions division, was responsible for setting up Network VirusWall Enforcer 2500. The company’s infrastructure extends to approximately 40 subsidiaries and comprises approximately 200 VLANs. Before the deployment of the new Trend Micro solutions, about 50 types of security policies existed at various sites. With Trend Micro’s technology, the major task of reformulating policy settings was completed in just five days.

“For our new quarantined network solution, we wanted to check out every antivirus product that was out there,” said Mr. Anzai. “Network VirusWall Enforcer was the best match for our requirements. And Trend Micro Control Manager simplifies the ongoing management. We can view and control everything with one console. What’s more, almost all the settings can be made on a single screen. We rarely need to go down to lower levels, making for less things to check, and easier work.”

MORE INFORMATION ABOUT NETWORK USAGE

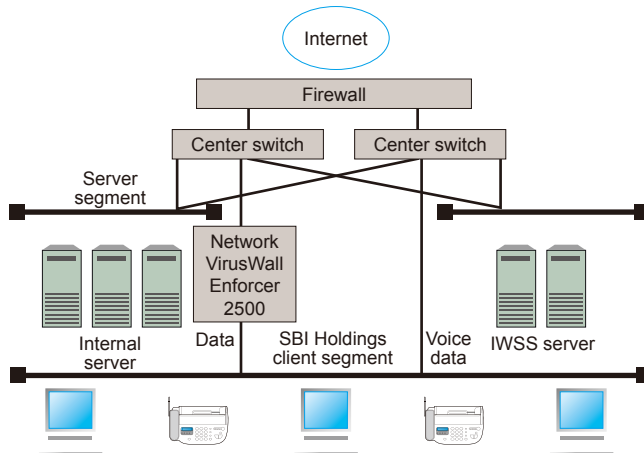
Constructing a quarantined network with Network VirusWall Enforcer appliances has enabled the IT Solutions division to obtain a large amount of network usage information. Mr. Anzai stated, “Using Network VirusWall Enforcer, we can gain information about the state of the various client operating systems and antivirus software products being used within individual VLANs or individual subsidiaries. With this ability to view the state of the networks, we no longer have to travel to each site to investigate status. We can monitor and work with each site management team, making sure that the entire company is adhering to our corporate security policies.”

FUTURE OUTLOOK MANAGING INSIDE THREATS

Not all sites are being managed from the head office. Mr. Shintaku explained, “Currently, management at a local level is more appropriate for China and Singapore offices due to the status of local wiring. Even in these cases, however, Network VirusWall Enforcer is helping us to improve the consistency of security and ease of management. For example, we can deploy Network VirusWall Enforcer 2500 in Singapore and manage it from Japan.”

Mr. Shintaku also described future developments in the group’s information security. Measures are being taken to better deal with information leaks. “As past incidents have shown us, information leaks are often due to internal crimes, or to employees unwittingly causing leaks due to negligence,” said Mr. Shintaku. “In these cases, we are working to be able to obtain evidence that clarifies whether a leak was deliberate or due to negligence. Security is a never-ending tug-of-war, and we have to keep learning every day. To make sure we are learning as much as possible, we want to keep Trend Micro as our specialist security vendor in the future.”

Figure 1. Overview of the anti-virus strategy in the SBI Group internal information network



CORPORATE PROFILE

SBI Holdings, Inc.
Tokyo, Japan

SBI Holdings was set up as a credit company for Softbank Group, and was active mainly in the areas of asset management, brokerage and investment banking, and financial services. In 2005, due to a public stock offering, it left Softbank Group, where it has been a consolidated subsidiary, and began to develop in five core business areas, adding the areas of residential real estate and lifestyle-related networks to its existing activities.

- **Industry/Vertical** Finance
- **Employees** 1680
- www.sbigroup.co.jp/english/index.html

TREND MICRO PRODUCTS

- **Trend Micro Network VirusWall Enforcer**
<http://us.trendmicro.com/us/products/enterprise/network-viruswall-enforcer/>
- **Trend Micro OfficeScan Client Server Edition**
<http://us.trendmicro.com/us/products/enterprise/officescan-client-server-edition/index.html>
- **Trend Micro Control Manager**
<http://us.trendmicro.com/us/products/enterprise/control-manager/>



Copyright © 2007. Trend Micro Incorporated. All rights reserved. Trend Micro, the Trend Micro t-ball logo, OfficeScan, ServerProtect, Trend Micro Control Manager, and VirusWall are trademarks or registered trademarks of Trend Micro, Incorporated. All other product or company names may be trademarks or registered trademarks of their owners. Trend Micro Incorporated reserves the right to make changes to this document and to the products described herein without notice.
SS03SBINVW070920JP

www.trendmicro.com