



StoneGate™ Virtual Security Solutions – virtually secure information flow

One for both virtual and physical worlds

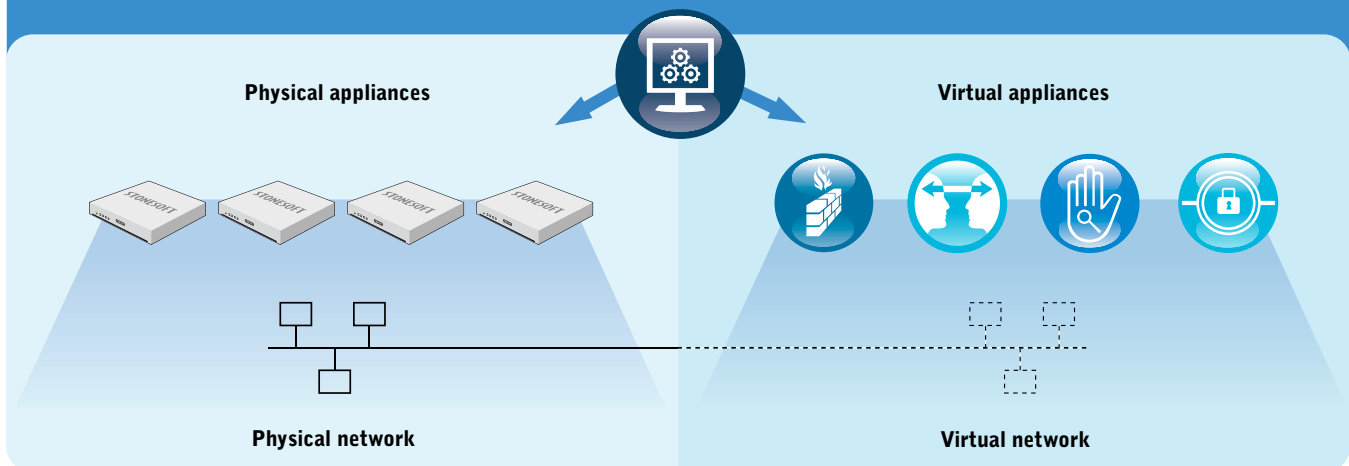
With virtualization taking the IT industry by storm, security professionals and IT leaders have new demands and an added responsibility to ensure that these new environments are just as secure as their physical counterparts. This calls for a new look at network security strategies, solutions and management tools.

Now you can turn to Stonesoft, a global organization that has been ensuring secure information flow for virtual environments since 2002. Unlike other products, Stonesoft's software-based solutions are uniquely designed to ensure the maximum security – in both virtual and physical environments – with minimum complexity and minimum cost. At the heart of our platform is the StoneGate Management Center giving you unmatched visibility and control. Now you can embrace the promise of virtualization with the confidence that your networks will be secure and always available.

“In a recent poll, 70 percent of the respondents reported they’re running at least one virtual server, yet less than 12 percent have a security strategy tailored to their virtual environment.”

- *InformationWeek poll, 2008*

Network security in physical and virtual environments



With the StoneGate Platform you gain one management system for both physical and virtual networks.

Maximum security, minimum complexity

If you have implemented or are in the process of implementing a virtualization strategy, your organization may be at risk from security threats that could have a more disastrous impact on your operating environment than ever before.

Some organizations are trying to address security by implementing separate host farms for applications protected by layers of physical devices. However, the disadvantage of retrofitting traditional hardware appliances to run within virtualized environments is that it creates an additional level of complexity. This opens up more opportunities for security breaches, there is no visibility into the virtual environment, and the cost saving benefits of virtualization are lost.

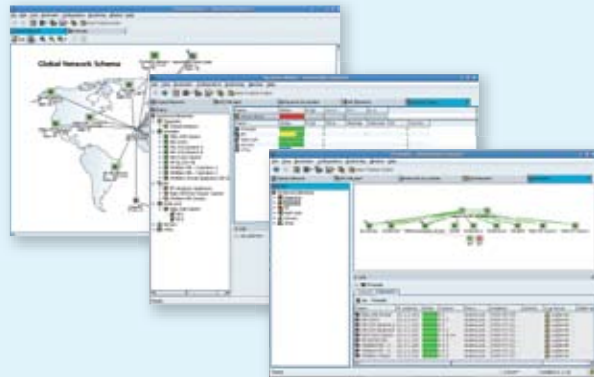
Other organizations have resorted to separating zones of trust by VLAN tagging within the virtual environment. This method does not scale very well, does not provide visibility into the virtual environment, and takes extra effort to maintain. By adding complexity, the overall system becomes more error prone. Also, this approach requires data to leave the virtual environment to cross zones which is highly inefficient.

Then there are some organizations that are looking at single point solutions that claim to provide virtual security, but only introduce more complexity and more opportunities for security threats.

Now there is a better approach. The software-based architecture of StoneGate's Virtual Security Solutions – for firewall/VPN, IPS and SSL VPN – is designed for easy deployment to ensure maximum security without all the complexity and additional costs. Our next-generation StoneGate Virtual Security appliances include all the capabilities offered in our hardware-based appliances, including granular policy control and redundant ISP connections – but without the box.

“If virtualization is done without implementing best practices for security, it may actually increase costs and reduce agility. Virtualization, as any emerging technology, will easily become the target of new security threats.”

- Gartner



StoneGate Management Center provides the in-depth monitoring, administration, and reporting capabilities needed to control dynamically changing environments.

Real-time visibility and control

Traditional management consoles are not designed to provide visibility into virtual environments. They cannot report the amount of traffic passing between virtual systems, or alert administrators if a system is about to go down. They are also unable to quickly address security threats.

Stonesoft is the only vendor that provides a single management center that provides comprehensive visibility across both virtual and physical environments. With the StoneGate Management Center you can manage any number or combination of physical or virtual StoneGate devices or clusters, and software-based versions running on standard x86-hardware.

It also enables unified policy management for each. Administrators can monitor, control, and change software versions for perimeter clusters on x86-servers, StoneGate appliances at remote locations, and virtual machines – all from within the same management center and the same user interface.

The StoneGate Management Center enhances the security of the virtual system by providing logs of traffic in and out of the system, and between virtual machines and networks. Powerful filtering capabilities help administrators quickly identify and isolate incidents based on source or destination IP address, user authentication information, time of day, and other criteria. Auditing features track access to, and modifications of, security policies and network elements, including the firewall/VPN and IPS device properties and routing information. Combined with different administrator roles and permissions, your organization can have strict controls on the security of your networks – both virtual and physical.

“In a few years, machines that are virtualized will be storing all of our secrets. Rather than the usual pattern, where we deploy a technology and wait for it to get hacked, wouldn't it be cool to try and secure it first?”

- SANS Institute

Ensure regulatory compliance in a virtual world

If you think keeping up with the latest regulatory requirements, such as PCI, HIPAA, Sarbanes-Oxley and FISMA, in a physical world is a challenge, consider the potential risks in a virtual world. Since the traditional controls placed around each application are not present in a virtual environment, an organization's ability to audit who accessed what information, when, is severely compromised and raises auditor's concerns.

With the StoneGate Management Center, you get the level of monitoring, analysis, and reporting you need to ensure compliance – across virtual and physical networks. It gathers comprehensive data on all network events and presents them in clear and easy-to-understand audit logs. And it lists security settings, reports system changes, and provides the accurate audit reports you need at the press of a button.

The best bottom line choice

Now that virtualization is picking up momentum, many organizations are jumping into the water without fully considering the costs associated with most solutions.

StoneGate solutions are designed from the ground up to be a secure software-based system, which means the ability to protect virtual environments is already imbedded. There are no complicated workarounds or connections. Since the StoneGate solutions include their own integrated and secured Linux® operating system, they are extremely easy to implement. This also means that although our virtual solutions are certified to run on VMware's ESX platform, they are flexible enough to work with any virtual platform.

Today's businesses need virtually secure information flow – get it now with Stonesoft.

Key Features

- ✓ Virtual security experience since 2002
- ✓ One management platform for both physical and virtual environments, leveraging the power of the StoneGate Management Center
- ✓ Software-based solutions designed for virtualization
- ✓ Same all-inclusive features as StoneGate hardware appliances
- ✓ Robust compliance and auditing tools
- ✓ Segmentation and role-based administration
- ✓ Certified for the VMware™ ESX platform and supports VMsafe™ technology
- ✓ Works with VMotion™, VMware Player and VMware Workstation
- ✓ Flexible support for a wide range of architectures and virtual deployments



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