vmware® PARTNER NETWORK

Improving Security

As enterprises look for ways to increase server consolidation, virtualize more mission-critical applications, or adopt cloud computing, security and compliance issues become even more important. VMware has created technologies, products and programs that allow alliance partners like Trend Micro to further enhance the inherent security of virtual machines, and to deliver virtual appliances that are tested and optimized for the VMware infrastructure.

VMware vShield Endpoint

VMware vShield Endpoint strengthens security for virtual machines and their hosts while improving performance by orders of magnitude for endpoint protection. vShield Endpoint enables offloading of antivirus and anti-malware processing to dedicated security-hardened virtual machines delivered by VMware partners. The solution is designed to leverage existing investments and allows customers to manage antivirus and anti-malware policies for virtualized environments with the same management interfaces they use to secure physical environments.

Key Benefits

• Streamline and accelerate antivirus and anti-malware deployment

• Improve virtual machine performance and eliminate antivirus and anti-malware bottlenecks

• Reduce risk of eliminating agents susceptible to attacks and enforced remediation

• Satisfy audit requirements with detailed logging of antivirus and anti-malware tasks

VMsafe

VMsafe is a groundbreaking innovation that leverages the unique capabilities of VMware vSphere to enable a rich ecosystem of third-party security solutions for virtualized environments. This virtual security technology provides fine-grained visibility over virtual machine resources, making it possible to monitor every aspect of the execution of the system and stop previously undetectable viruses, rootkits and malware before they can infect a system.

VMsafe has enabled partners to build security solutions in the form of a virtual machine that can access, correlate and modify data to help control and protect memory and CPU, networking, process execution and storage.

VMsafe technology is available as part of VMware vSphere, complemented by third-party security products that are built specifically for the VMware environment using a set of security APIs. The key benefits of VMware VMsafe include stronger security, tighter policy control, better isolation, closer correlation and better scalability.

VMware vCenter

VMware vCenter Server provides a scalable and extensible platform that forms the foundation for virtualization management. It centrally manages VMware vSphere environments allowing IT administrators dramatically improved control over the virtual environment compared to other management platforms.

With an open plug-in architecture, VMware vCenter Server supports a broad range of additional capabilities from VMware and its partners. More than 300 VMware partners directly integrate with vCenter Server, allowing you to easily extend the platform for more advanced management capability in areas such as capacity management, compliance management, business continuity and storage monitoring. The vCenter Server APIs also allow customers to integrate physical and virtual management tools, using their choice of enterprise management tools to connect to vCenter Server.

vCloud APIs

The vCloud API is an interface for providing and consuming virtual resources from the cloud. It enables deploying and managing virtualized workloads in internal and external clouds. The vCloud API allows for upload and download of vApps along with their instantiation, deployment and operation.

VMware Ready Virtual Appliance Program

Virtual appliances are preconfigured software solutions, comprising one or more virtual machines. These machines are packaged, maintained, updated and managed as a unit. These pre-packaged units simplify deployment and administration because both automated patching and updates come from a single vendor.

The VMware Ready Virtual Appliance Program is a validation program designed to ensure the best possible user experience for virtual appliances being deployed in production. All VMware Ready virtual appliances go through the same comprehensive set of tests to ensure consistency and completeness of the virtual appliance.

VMware Ready for Email Security

VMware Ready for Email Security provides added assurance that customers will successfully deploy their gateway messaging security virtual appliance within a VMware virtualized environment to protect the Zimbra Collaboration Suite. In order to achieve this status, virtual appliance partners undergo a series set of tests to ensure compatibility, robustness and interoperability the Zimbra Collaboration Suite Appliance.

Learn More

To learn more about VMware solutions and products, visit http://www.vmware.com or call 1-877-4VMWARE.

vmware®

Trend Micro™ is a global leader in content security and threat management, with more than 20 years of expertise in server, endpoint, messaging and Web security. Trend Micro provides the most comprehensive suite of next-generation virtualization security solutions available today. By tightly integrating with and leveraging VMware products and APIs, Trend Micro security and compliance solutions allow enterprises to:

- Prevent data breaches and business disruptions
- Maximize consolidation rates, operational efficiency and cost savings
- Ensure compliance with security best practices, internal governance and external regulations

Spotlight: Agentless Anti-virus for VMware

VMware and Trend Micro have partnered to deliver the first and only agentless anti-virus solution for VMware. Designed for both virtualized desktops and datacenters, it comprises two mutually dependent solutions:

- VMware vShield Endpoint, a unique solution that optimizes anti-virus security for use in VMware vSphere™ 4.1 and VMware View™ 4.5 environments. It enables offloading of anti-virus/ anti-malware processing to dedicated, security-hardened virtual machines delivered by VMware partners.
- Trend Micro Deep Security—Anti-malware, an agentless software solution that integrates VMware vShield Endpoint APIs to protect VMware virtual machines against viruses, spyware, trojans and other malware. Note: Anti-malware is just one of the many Deep Security protection modules.

This joint solution provides full protection from the latest threats, while delivering:

- **Better manageability**: No agents to configure, update and patch
- **Higher consolidation**: Inefficient operations are removed from each virtual machine
- **Faster performance**: Freedom from anti-virus storms
- **Stronger security**: Instant-on protection and tamper-proof security

Security Built for VMware

Beyond agentless anti-virus for VMware, Trend Micro provides additional security solutions architected for VMware.

Trend Micro Deep Security

Trend Micro Deep Security combines multiple protection modules, including anti-malware, IDS/IPS, integrity monitoring web application protection, log inspection and firewall, in a single, centrally managed software solution, to provide agent-based or agentless protection.

- Protection for: Virtualized desktops*, servers and cloud computing
- Leverages: vShield Endpoint, VMsafe, vCenter

* Note: Trend Micro also offers an agent-based anti-malware solution that is optimized for VMware View, and is well-suited to organizations that:

- Are running older versions of View
- Want to deploy VDI with untethered or offline virtual machines that will be in active use
- Want to run the same security solution across all their physical and virtual desktops, and require desktop security capabilities beyond AV, such as behavioral monitoring and web reputation monitoring

Trend Micro Secure Cloud

Trend Micro SecureCloud™ makes it possible for businesses to encrypt and control data in public and private cloud environments via patent-pending, simple policy-based key management. It gives businesses power over how and where data is accessed and greatly reduces the complexity inherent in traditional key management solutions. SecureCloud is offered as an on-premise console or as a remote Software-as-a-Service solution.

- Protection for: Private and public cloud computing
- Leverages: vCloud APIs Security Built for VMware

VMware Ready Security Virtual Appliances

Trend Micro offers a range of enterprise VMware-Ready—and VMware Ready for Email Security—virtual appliances for gateway security, including:

- **Web Security:** Stops web threats at the gateway with a consolidated web security solution that combines powerful URL filtering, real-time web reputation and award-winning malware scanning.
- **Web Reporting:** Provides real-time visibility of Internet activity and how it is impacting the organization, thus ensuring resources are most effectively managed.
- **Messaging Security:** Defends the enterprise at the email gateway by combining multi-tiered anti-spam and reputation filtering with award-winning anti-virus and anti-spyware.
- **Email Encryption:** Enables organizations to enforce compliance requirements and to ensure that confidential information is delivered securely.
- **Data Loss Prevention:** Protects customer data and intellectual property from the growing volume of threats—whether it's data-stealing malware, hackers, accidental loss, or malicious insider leaks.

Learn More

To learn more, please visit www.trendmicro.com, call 877-21-TREND (877-218-7363) or email sales@trendmicro.com.