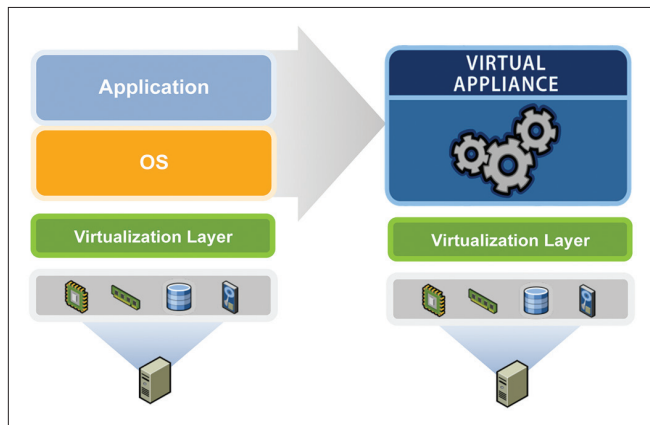


# VMware/Trend Micro Enterprise Security for Gateways

## Virtual Appliances

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.

Unlike hardware appliances, virtual appliances let customers easily acquire, deploy, and manage pre-integrated solution stacks. This speeds up time to value and simplifies administration. Virtual appliances offer better compatibility and scalability than hardware appliances, which are often underutilized.



**Figure 1:** A virtual appliance packages an application and an operating system together as a cohesive unit

## Who uses Virtual Appliances?

- **Customers** use virtual appliances to simplify deployment, configuration, patching, and update management, while leveraging the built-in capabilities of VMware Infrastructure or VMware vSphere™ 4 to ensure high levels of efficiency, security, and availability.
- **Service providers** use virtual appliances to deliver complex applications to customers as cloud-based services while leveraging VMware Infrastructure or vSphere as a strategic, standardized platform for both on-site and off-site cloud computing.

## Virtual Appliance Integration with VMware Infrastructure/vSphere

- **Integration with VMware Infrastructure/vSphere.** VMware Ready virtual appliances integrate seamlessly with the VMware® ESX™ hypervisor and can be consolidated right alongside other virtual machines on a single server host. Integration with

VMware Infrastructure/vSphere also gives virtual appliances access to VMware VMotion, VMware DRS, VMware High Availability and other capabilities.

- **Patch and update management.** Customers can deploy and manage virtual appliances from a single point of control using VMware vCenter Server.
- **High availability and disaster recovery.** Virtual appliances can be protected without the expense of duplicate hardware and traditional clustering solutions through the use of VMware Infrastructure/vSphere capabilities, such as automated load balancing, failover and site-wide disaster recovery.

## SaaS Enablement: Cloud Computing and Software-as-a-Service

- **SaaS Enablement.** VMware has formed alliances with major service providers through the VMware Service Provider Program (VSPP) to enable delivery of virtual appliances as cloud-based services that support a mix of on-site and off-site computing. A growing number of providers are implementing VMware solutions to create the infrastructure needed to deliver virtual appliances as cloud-based services.
- **vApps.** In addition to virtual appliances, vApps are also ideal containers for cloud computing. They are viewed as the next generation of virtual appliances. vApps are software solutions which turn new and existing applications running on VMware vSphere into self-describing and self-managing entities. Virtual appliances and vApps greatly simplify the integration and management of virtualized applications in the cloud.

## VMware Ready Virtual Appliance Program



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.

- All appliances are tested to verify that they work with VMware Infrastructure and have all of the necessary documentation to assist new users in either evaluating the virtual appliance or setting up that appliance for production use.
- Vendors that provide these virtual appliances ensure that they have tested and optimized the entire solution stack on VMware Infrastructure.
- Companies that produce VMware Ready Virtual Appliances also provide support for their appliances to ensure that the solution they offer has all of the latest security patches and is maintained according to VMware best practices.

# Partner Solution Profile



## PARTNER PROFILE

Trend Micro

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### Overview

Trend Micro is a global leader with over twenty years of expertise in endpoint, messaging, and web security.

### Key Business Needs

The challenging economy and an onslaught of new spam and web-based attacks are driving enterprise IT organizations to implement immediate and accurate security with ever fewer resources. Many are experiencing appliance fatigue caused by the abundance of purpose-built hardware security appliances in the enterprise datacenter.

### Key Business Benefits

Trend Micro™ Enterprise Security for Gateways integrates virtualized web and messaging gateway security to lower your costs while improving protection against web, email, and blended threats. Trend Micro offers the industry's best malware protection powered by the Trend Micro™ Smart Protection Network™—proven by independent testing to stop more threats in real-world computing environments.

### Business Results

Trend Micro offers the #1 anti-spam solution coupled with award winning antivirus, anti-phishing, and malware protection (West Coast Labs, January 2009). Trend Micro offers the Top-Ranked URL Filtering: Overall Blocking Effectiveness in independent tests (Cascadia Labs, summer 2009). Virtual appliances offer the flexibility and cost savings associated with virtualization and Green IT. In addition utilizing VMware functions such as VMware® VMotion™, High Availability, Fault Tolerance and Disaster Recovery, enterprises benefit from a fully redundant and scalable email security gateway.

### VMware and Trend Micro

Trend Micro VMware Ready validated virtual appliances enable the benefits of virtualization without compromising security.

*“Trend Micro’s relationship with VMware—resulting in the VMWare Ready validated virtual appliance—was a big contributing factor to our switch to Trend Micro security solutions.”*

— Michael Zeleny, Technical Support Specialist, IT, St. Lawrence University

## Trend Micro Enterprise Security for Gateways

VMware Ready security virtual appliances maximize protection and minimize complexity for web and messaging gateways

### Improving Security in a Tight Economy

The uncertain economy coupled with an onslaught of new and malicious attacks has challenged IT organizations to do more with fewer resources. These efforts are being complicated by many factors:

- Legacy gateway email security is not stopping enough spam, phishing, and malware at the network edge
- Existing systems do not deliver cost-effective scalability or ease of management
- Increasing regulatory compliance and data privacy issues.

### Protect your network. Lower your TCO.

Trend Micro Enterprise Security for Gateways provides industry leading, VMware Ready web and email gateway protection designed to reduce costs without compromising security. Using Trend Micro for both messaging and web security provides a lower total cost of ownership, simplified administration, ease of updates, and a single source for support. Trend Micro Enterprise Security for Gateways provides all the benefits of a purpose built hardware appliance with the flexibility and cost savings associated with virtualization.

### Reduce Costs and Risk with Comprehensive Gateway Protection

Trend Micro Enterprise Security for Gateways integrates virtualized web and messaging gateway security to lower your costs while improving protection against web and email threats.

- Stops spam and unwanted content—before it can enter your network
- Improves productivity with #1 rated antispam and web filtering

### Maximize Protection with Industry-Leading Threat Intelligence

Complex threats are striking faster. Trend Micro offers the industry's best malware protection powered by the Trend Micro Smart Protection Network—proven by independent testing to stop more threats in real-world computing environments.

- Delivers immediate protection with in-the-cloud web, email, and file reputation technology
- Stops the latest threats before they can enter your network and damage your business

### Minimize Complexity and Save Money with Virtual Appliances

The Trend Micro Enterprise Security for Gateways saves time and money with the flexible and reliable deployment options of a software virtual appliance that supports datacenter consolidation, delivers multi-threat protection, streamlines administration, and consumes fewer resources.

- Optimizes performance and streamlines management with VMware Ready appliances
- Supports heterogeneous hardware deployments on preferred hardware

### Suite Component Products

Trend Micro Enterprise Security for Gateways is a solution suite of virtual appliances:

- InterScan Messaging Security Virtual Appliance
- InterScan Web Security Virtual Appliance
- Advanced Reporting and Management
- Trend Micro Encryption for Email Gateway

