

VMware/Trend Micro InterScan Messaging Security Virtual Appliance

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.

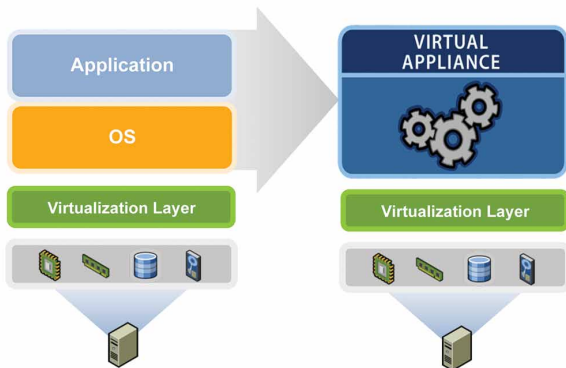


Figure 1: A virtual appliance packages an application and an operating system together as a cohesive unit

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.



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.



Trend Micro
www.trendmicro.com
877-21-TREND
877-218-7363
sales@trendmicro.com

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 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

InterScan Messaging Security Virtual Appliance significantly improves email gateway security. Plus it's less expensive to deploy, manage and maintain than purpose-built hardware security appliances. The virtual appliance contributes to physical consolidation, lowering the need for hardware, power, and cooling costs.

Business Results

Trend Micro offers the #1 anti-spam solution coupled with award winning antivirus, anti-phishing, and malware protection. This ensures that only relevant email reaches end user desktops, improving productivity. The virtual appliance form factor offers 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.

Products

In addition to virtual appliances for email security, Web security, and email encryption, Trend Micro offers security for mail servers, communications servers, endpoints, and central management that supports VMware environments.

- InterScan Messaging Security Virtual Appliance
- Trend Micro Email Encryption Gateway Virtual Appliance
- InterScan Web Security Virtual Appliance

InterScan Messaging Security Virtual Appliance

VMware Ready security virtual appliance from Trend Micro stops email threats at the gateway

Improving Security in a Tight Economy

The uncertain economy coupled with an onslaught of new and malicious spam attacks has challenged enterprise IT organizations to do more with less resources to protect their networks. These efforts are being complicated 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, availability, or ease of management
- Increasing regulatory compliance and data privacy issues.

Together, these issues translate into increased requirements for email security with administrators tasked with securing sensitive information as well as preventing unwanted email inundating their end user's inboxes while keeping costs down.

Protect your network. Lower you TCO.

Trend Micro InterScan™ Messaging Security Virtual Appliance provides industry leading, VMware Ready gateway email protection designed to reduce costs without compromising security. InterScan Messaging defends the enterprise at the email gateway by combining multi-tiered antispam and reputation filtering with award-winning antivirus and antispysware. Flexible content filtering supports compliance and helps prevent the loss of confidential information.

InterScan Messaging Security Virtual Appliance provides all the benefits of a purpose built hardware appliance, with the flexibility and cost savings associated with virtualization, lowering the TCO of many organizations with multiple security hardware appliances in their datacenters.

Solution Benefits Immediate Protection. Less Complexity.

In-the-cloud protection of the Trend Micro™ Smart Protection Network identifies threats faster with real-time intelligence on emerging threats. Our unique ability to correlate intelligence across email, file, and web security threats means enterprises always get the latest and most accurate protection. These enterprises no longer have to wait for an update to be pushed to the gateway to be protected from the latest spam and virus attacks — regardless of whether they are delivered via email, malicious embedded URL links, or in file attachments. Stopping these threats at the gateway before they reach the network prevents them from burdening resources, stealing assets, and slowing productivity.

VMware and Trend Micro InterScan Messaging Security on VMware

InterScan Messaging Security in a VMware environment can easily scale up or down with email capacity fluctuations. HA and Disaster Recovery (DR) capabilities of the virtual appliance create a solution that is geared to handle the spam and mission critical email traffic of even the largest of enterprises.

- **Top-Ranked Antispam.** Trend Micro achieved #1 ranking in antispam effectiveness in independent tests (West Coast Labs, January 2009).
- **VMware Ready.** InterScan Messaging Security Virtual Appliance is VMware Ready validated to ensure successful deployment of gateway security within a virtualized environment, delivering comprehensive, timely protection against email-based threats.
- **Market Leader.** As the first and only enterprise messaging security application to be validated as VMware Ready, customers are assured of validated, thoroughly tested and supported integration.

“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