

Integrated Security for Virtual SAP Environments

AT A GLANCE

The vCloud Networking and Security™ family of products outsources your security processes to dedicated virtual machines to optimize protection in VMware vSphere® and VMware View™ environments. Trend Micro Deep Security offers advanced and centrally managed security for physical, virtual, and cloud-based servers.

KEY POSITIONING ELEMENTS

- A greater return on investment thanks to VM consolidation ratios that are up to three times as high
- Virtual patching fixes vulnerabilities immediately without the need for costly emergency patches
- Data can be controlled and encrypted even in the cloud and server access can be validated
- Easy compliance with PCI DSS 2.0, HIPAA, NIST, SAS 70, and other regulatory requirements
- Protection for SAP systems and data
- SAP NW-VSI 2.0 certified

1. The Partnership

More security for information systems in virtual environments—that is the goal of the VMware and Trend Micro partnership. The traditional approach that uses one agent per instance has reached its limits, because

- isolated VMs repeatedly burden the CPU, RAM, and storage unnecessarily
- depending on the age of the golden master, deploying VMs requires extensive updating of, for example, patterns and programs
- network traffic between virtual instances on the same host, in some cases, never passes through the firewall and IDS/IPS systems
- snapshots and so on impede security management, management accessibility and whether the client is up-to-date.

As the Technology Alliance Partner of the Year 2012, Trend Micro, together with VMware, has developed a number of key innovations:

- vCloud networking and security APIs for examining disk I/O usage and VM network traffic without an agent
- Integration with VMware vCloud Director for cloud security
- Provisioning services offered by the Deep Security Acceleration Kit for immediate use in small and medium enterprises

2. The Challenge

Specially designed interfaces and Deep Security customization tackle the challenges presented by the dynamic provisioning of instances, in SAP applications as well:

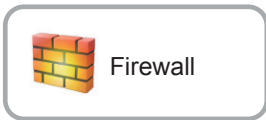
- Deep Security removes the burden from the CPU, RAM and storage
- Current patterns and rules any time for new VMs through event-based tasks—no agents, no postprocessing
- Control over network traffic between VMs on the same host
- The connection to vCloud Director or vCenter makes administration simpler: the creation and removal of VMs are immediately synchronized with Deep Security.

The unique SAP-certified Deep Security interface allows you to directly monitor file movements in SAP applications. Furthermore, Deep Security actively provides protection from network attacks, manipulation, and unauthorized access.

3. VMware and Trend Micro Provide Combined Solutions

vCloud Networking and Security™ is a family of products that provides optimized protection in VMware vSphere® and VMware View™ environments. Security processes are outsourced on dedicated VMs provided by VMware partners. Using vShield Endpoint, antivirus and anti-malware rules for virtual and physical infrastructures can be managed with the same interface. Process outsourcing on a virtual appliance leads to improved protection for endpoints, and network interfaces enable active analysis of all data packets.

Trend Micro Deep Security offers advanced protection for your physical, virtual or cloud-based servers. SAP applications and data are comprehensively protected which prevents business process disruptions. Virtual patching makes emergency patches unnecessary. The centrally managed platform simplifies security management, makes compliance easier, and accelerates the return on investment for virtual and cloud projects.



• Server virtualization

A greater return on investment thanks to VM consolidation ratios that are up to three times as high

• Virtual patching

Vulnerabilities are fixed and protected from attacks without the need for costly emergency patches

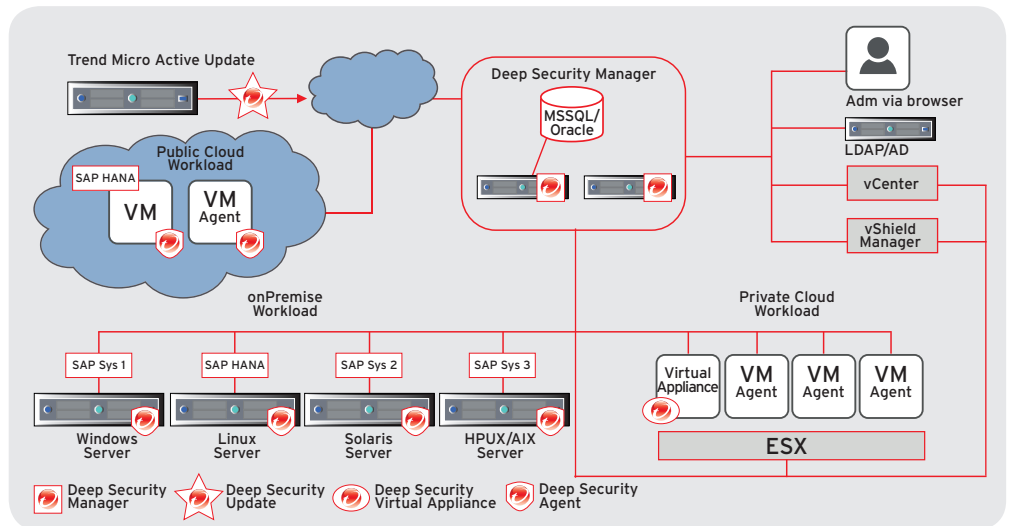
• Cloud protection

Data can be controlled and encrypted in the cloud and server access can be validated

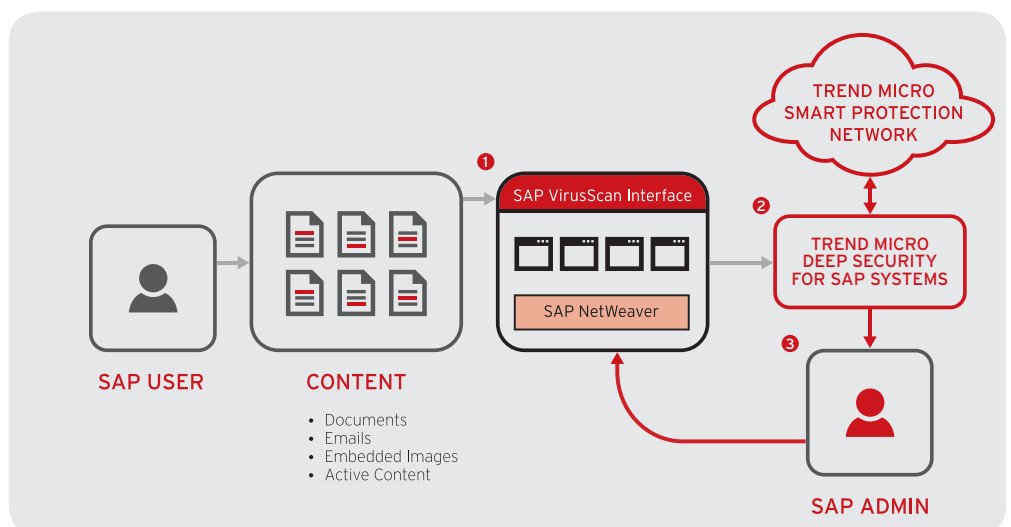
• Compliance

Support for compliance with PCI DSS 2.0, HIPAA, NIST, SAS 70 and many other regulatory requirements

Server security for SAP core systems and SAP HANA systems



SAP application protection certified according to SAP NW-VSI 2.0



For more information

If you would like to purchase a VMware product or require further information, contact VMware directly by phone at 0800 100 6711. You can also visit our website at www.vmware.com/de/products or search online for an authorized dealer. Detailed product specifications and data for system requirements are found in our product documentation.

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