

Trend Micro

INSTANT-ON SECURITY FOR THE CLOUD

Reduce cost and complexity with the broadest protection, fully integrated with the leading cloud services platforms

SHARED SECURITY RESPONSIBILITY IN THE CLOUD

Cloud adoption is accelerating rapidly, driven by cost savings, agility, and efficiency. Whether you are extending internal resources or fully deploying in the cloud, your organization needs to share the responsibility for security with your service provider. This means that while cloud service providers (CSPs) cover the physical and network infrastructures and virtualization layer, you are responsible for securing the guest operating system, applications, data, and for meeting compliance regulations.

To help you with your shared responsibility, Trend Micro provides the most complete set of recommended security capabilities and integrations available for cloud services such as AWS, Microsoft Azure, and VMware vCloud Air. When your security is integrated with the leading cloud services platforms, cost and complexity go down, making it faster and easier for you to meet security requirements while realizing the operational benefits of the cloud.

Trend Micro's cloud security provides the broadest range of security capabilities available to meet your application and data security needs while helping you achieve compliance. Cost and complexity is dramatically reduced through automated instance security provisioning and workload-aware security policy, as well as efficient administration and reporting tools. Integration with the leading CSP platforms and developer tools makes it fast and easy to deploy. And it's from Trend Micro, the global market-share leader in server security for physical, virtual, cloud, and hybrid environments.

Tight integration with CSP's like AWS, Microsoft Azure, and VMware vCloud Air architectures makes your security efficient and elastic so you get the full benefit of the cloud's agility and cost savings. Compatibility with leading cloud deployment tools like Chef, Puppet, RightScale, OpsWorks, Salt, etc., allows security to be built into your existing cloud environments.

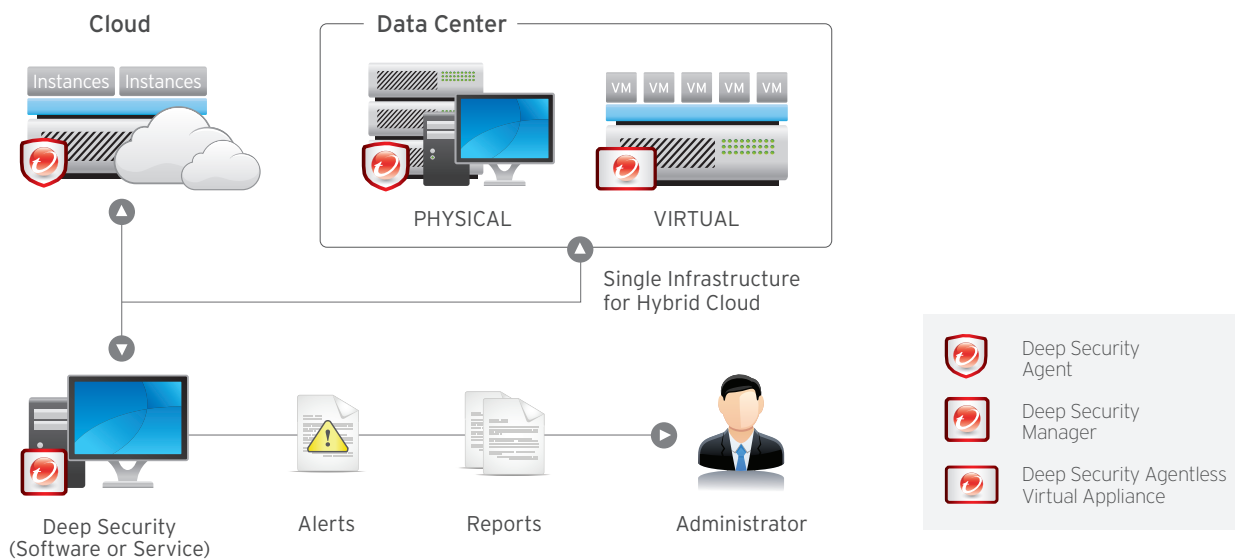
MEETING YOUR SHARED RESPONSIBILITY FOR SECURITY IN THE CLOUD

Security in the cloud is a shared responsibility. That means customers and cloud service providers must work together to protect applications and data, meet compliance regulations, and ensure business continuity. If your security doesn't go beyond the native cloud, then you probably are not meeting your shared responsibility. You can increase overall protection and reduce administration by building elastic security into your cloud architectures.

Trend Micro's Cloud Security helps you reduce cost and complexity with the broadest set of security capabilities integrated with the leading cloud services platforms.

Meet your shared security responsibility with Trend Micro

- **Protect data and applications** running in the cloud with broadest range of security capabilities to meet your security and compliance requirements
- **Dramatically reduce cost and complexity** with automated security provisioning and workload-aware security policies
- **Support government or industry standards** with security built to the highest standards, including common criteria EAL 4+
- **Integrate seamlessly** with cloud management tools such as AWS CloudFormation, RightScale, Chef, and Puppet to automate security deployments
- **Minimize administrative cost and complexity** with a single security console to manage server security across physical, virtualized, and cloud environments



Cloud and Data Center Security Solution: Powered by the Deep Security Platform

A COMPLETE SET OF SECURITY CAPABILITIES

To be effective, your security in the cloud must be able to dynamically follow your servers, conduct real-time monitoring, and provide instant protection for the data and applications on your instances. Powered by the Deep Security Platform, Trend Micro has a broad set of security capabilities to support all of the above. This integrated solution prevents data breaches and business disruptions, provides easy deployment and administration, and helps achieve cost-effective internal and regulatory compliance across physical, virtual, and cloud servers.

PREVENT DATA BREACHES AND BUSINESS DISRUPTIONS WITH COMPREHENSIVE SECURITY

- **Provides timely protection from constant malware attacks** on your systems and data with Anti-malware and Web Reputation. Powered by the Trend Micro™ [Smart Protection Network™](#), Deep Security deployments leverage the latest in global threat intelligence.
- **Shields unpatched vulnerabilities from attack** with Intrusion Detection and Prevention (IDS/IPS). Security policies update automatically to ensure the right protection is applied to the right cloud servers at the right time.
- **Reduces exposure to attacks** with a host firewall. Blocks attacks and limits communication to only the ports and protocols necessary with the ability to log and audit traffic for compliance reporting at the instance level.
- **Meets compliance file and system monitoring requirements** with Integrity Monitoring. Ensures unauthorized or out-of-policy changes are detected and reported—across files, ports, registries, and more.
- **Identifies important security events** buried in multiple log entries with Log Inspection. Forwards suspicious events to a SIEM system or centralized logging server for correlation, reporting, and archiving.
- **Automatically recognizes new instances** at launch. Initiates security at start to dramatically reduce the risk of any instances going unprotected.
- **Protects data at rest** with policy-based encryption and key management. Govern your own keys to avoid vendor lock in and ensure data destruction when instances are decommissioned.
- **Protects data in motion** with SSL certificates. Trend Micro is a global certificate authority and our root certificate is embedded in 99+ percent of browsers.
- **Scans web applications for vulnerabilities** and helps protect against them with application scanning. Expert testing and false positive removal allows you to focus on high severity vulnerabilities and helps to quickly mitigate them with WAF integration and IPS.

“In addition to the ability to implement anti-malware functions separately on each server, we highly value the comprehensive security functions that Deep Security has, such as IPS/IDS.”

Shuichi Hiraki
Associate Manager
at Astellas Pharma, Inc.

REDUCE OPERATIONAL COSTS WITH EASY DEPLOYMENT AND ADMINISTRATION

- **Auto sync with leading CSPs** allows specific customizable policy templates to be applied based on instance metadata, to enable the right policies to be applied to the right servers automatically
- **Virtual Patching** shields vulnerabilities before they can be exploited, to eliminate the operational pains of emergency patching, frequent patch cycles, and costly system downtime
- **Integrated Customizable Dashboard** enables administrators to see the health of their entire security environment at a glance
- **Centralized Alert Function** provides immediate notification of events or activities that may require immediate attention
- **Deep Security Events and Reports** provide comprehensive information through 16 different types of reports including user reports, security module-specific reports, and general reports with custom filtering
- **Customizable Policy Templates** let users enable and disable security controls on the fly, based on the specific rules they have assigned
- **As a Service Solution** speeds deployment and provides easy management

ACHIEVE COMPLIANCE COST-EFFECTIVELY WITH SUPPORT FOR INDUSTRY STANDARDS

Major compliance requirements for PCI DSS 3.0, as well as HIPAA, NIST, SAS 70, and others are addressed with:

- **Detailed, auditable reports** that document vulnerabilities, detected attacks, and policy compliance status
- **Support for internal compliance initiatives** to increase visibility of internal network activity
- **Proven technology** certified to Common Criteria EAL4+
- **Data Protection** with FIPS 140-2 validated AES-256 encryption for maximum privacy and secure data destruction capabilities
- **Continuous Application Scanning** to detect vulnerabilities in web applications

Optimized to deliver the full benefits of cloud computing

Trend Micro's Deep Security platform makes it fast and easy to secure cloud instances. Security is managed from an integrated administrative console that automatically provides a single up-to-date view of your security posture in the cloud environment.

- **Easy deployment of host security** compatible with the leading cloud deployment tools (e.g., Chef, Puppet, RightScale, OpsWorks, Salt, etc.) so that security can be built into current environments
- **Auto sync** automatically recognizes new instances at launch to dramatically reduce the risk of any instances going unprotected
- **Automatic policy application** for specific customizable policy templates to be applied based on instance information, so the right policies are applied to the right servers, automatically
- **Instance inventory display** shows those instances associated with the cloud account and their current statuses

“Before Trend Micro, security required more manual intervention. Now, it's totally automatic. We know it's working, and we can easily check one central security dashboard to get a current status.”

Mauricio Fernandes
President of Dedalus

DEEP SECURITY DELIVERS AUTOMATED AND HIGHLY SCALABLE CLOUD SECURITY

Trend Micro's Cloud Security is built on the Deep Security platform. Already selected by thousands of global customers to protect millions of servers, it powers Trend Micro's Cloud and Data Center Security Solution, which comprises market-leading products to secure the modern data center and the cloud. Advantages include:

- **Comprehensive security capabilities** including anti-malware with web reputation, host-based firewall, intrusion detection/prevention, integrity monitoring, log inspection, encryption, vulnerability scanning, and SSL certificates
- **Deployment flexibility** with the choice of software or as a service offerings. Includes full multi-tenant capabilities for easy service operation
- **Reduced cost and complexity** with security optimized for cloud architectures. Reduces operational impact with a single platform for management of security controls and policies across multiple environments: physical, virtual, cloud, hybrid

TREND MICRO™ DEEP SECURITY™

Advanced server security for physical, virtual, and cloud servers

Available as [software](#) or [as a service](#), Deep Security protects enterprise applications and data from breaches and business disruptions. This comprehensive, centrally managed platform helps organizations simplify security operations while enabling regulatory compliance and accelerating the ROI of virtualization and cloud projects. Tight integration with CSPs dramatically reduces operational impacts by automating policy-based security for instances as they are launched or terminated.

TREND MICRO™ SECURECLOUD™

Data protection through encryption for public and private clouds

Available as software, or as a service organizations can protect and control confidential information with an efficient and easy-to-use encryption service that keeps data private. [SecureCloud](#) provides central key management with policy-based key release to automate when and where data is accessed.

TREND MICRO™ DEEP SECURITY FOR WEB APPS

Intelligent web application security

[Deep Security for Web Apps](#) continuously detects vulnerabilities, delivers actionable security insight, and protects applications from attack. With false positive removal, you can focus on severe issues and quickly mitigate them with WAF integration and virtual patching. Plus, as an AWS pre-authorized scanner, scans can be run anytime without requiring advanced approval.

“Essentially, Deep Security creates a landslide effect. It improves protection, which leads to happy customers, leading to attracting more customers, which ultimately leads to revenue growth.”

Todd Redfoot

Chief Information Security Officer
(CISO) at Go Daddy

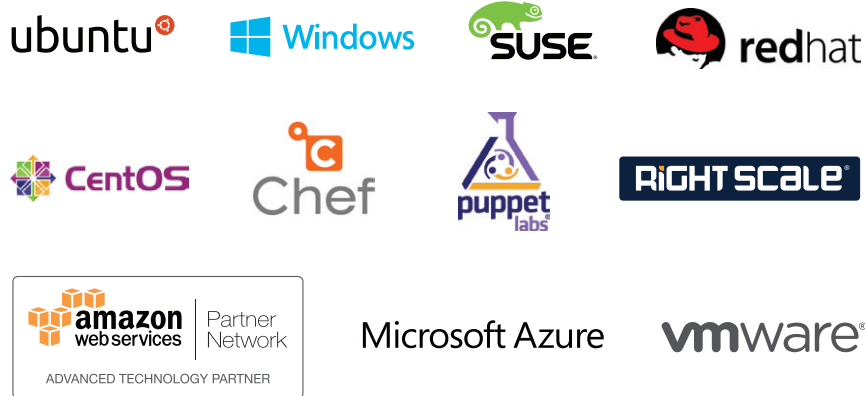
Trend Micro's global market leadership in cloud security can help you meet your shared security responsibility effectively, with our proven solutions.

Trend Micro is the **#1 provider of server security for physical, virtual, and cloud environments**¹— combining the most complete set of security capabilities with automated management to dramatically reduce both risk and cost.

¹ IDC Worldwide Endpoint Security 2013-2017 Forecast and 2012 Vendor Shares, Figure 2, doc #242618, August 2013

OPTIMIZED FOR CLOUD ENVIRONMENTS

Trend Micro's security solutions are optimized for the cloud including support of the most common platforms and cloud management tools:



ABOUT TREND MICRO

As a global leader in cloud security, Trend Micro develops security solutions that make the world safe for businesses and consumers to exchange digital information. With more than 25 years of experience, Trend Micro delivers top-ranked security that fits customers' needs, stops new threats faster, and protects data in physical, virtualized, and cloud environments.

“...if you take the time to truly understand not only the shared security model, but also the nature of cloud deployments, you can easily strengthen your security posture. More importantly, you can strengthen your security posture without spending more time or budget.”

Mark Nunnikhoven
Vice President, Cloud and Emerging Technologies
at Trend Micro



Securing Your Journey to the Cloud

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