

Trend Micro

# SECURITY FOR THE CLOUD

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

## 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. While cloud service providers (CSPs) cover the physical and network infrastructures and virtualization layer, you must secure what you put IN the cloud, and ensure that your security solution meets internal and regulatory compliance rules. If your security doesn't go beyond the native cloud, then you are probably not meeting your shared responsibility. You can increase overall protection and reduce administration by building elastic security into your cloud architectures.

To help with your shared responsibility, Trend Micro provides the most complete set of recommended security capabilities and integrations available for cloud services such as Amazon Web Services (AWS) and Microsoft® Azure™. 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.

**The Trend Micro Hybrid Cloud Security solution**, powered by XGen™, provides the broadest range of security capabilities available to meet your application and data security needs while helping you achieve compliance. Cost and complexity are 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 leader in server security<sup>1</sup> for physical, virtual, cloud, container, and hybrid environments.

Tight integration with AWS, Microsoft Azure, Google Cloud, and container 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 orchestration tools like AWS CloudFormation, Chef, Puppet, SaltStack, etc., allows security to be built into your new and existing cloud deployments.

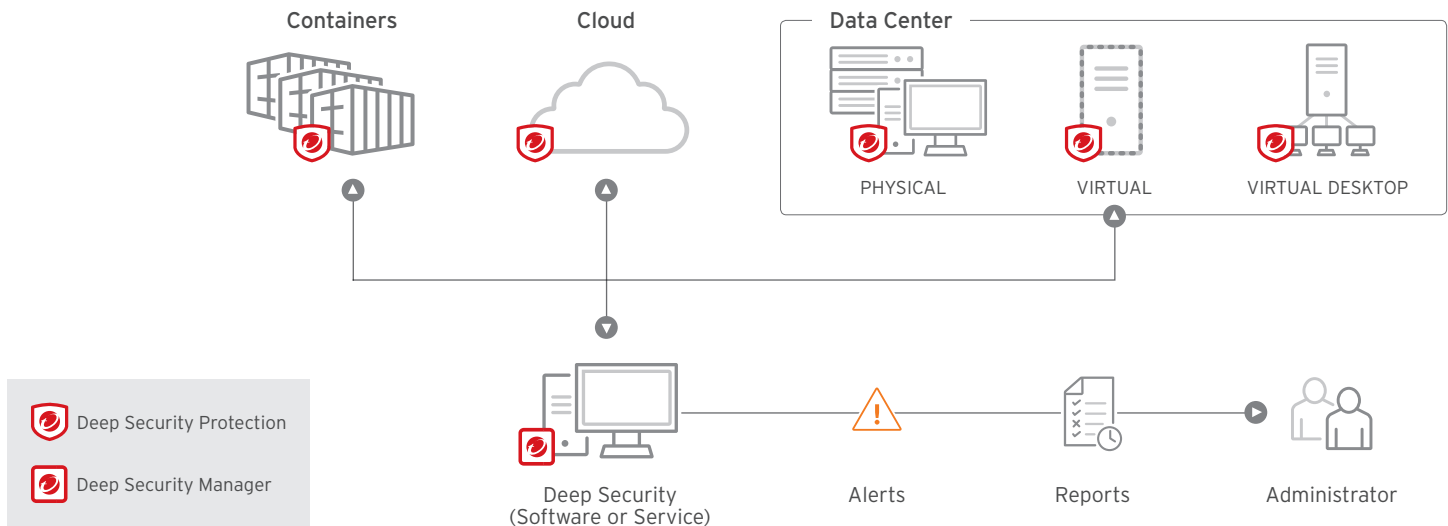
Meet your shared security responsibility with Trend Micro

- **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 2+
- **Integrate seamlessly** with cloud management tools such as AWS CloudFormation, Chef, Puppet, and SaltStack to automate security deployments
- **Minimize administrative cost and complexity** with a single security console to manage server security across hybrid cloud environments, including multi-cloud deployments

<sup>1</sup>IDC, Worldwide Endpoint Security Market Shares, 2015: Currency Volatility Headwind, #US41867116, November 2016



## HYBRID CLOUD SECURITY SOLUTION: FEATURING DEEP SECURITY



### 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 Trend Micro™ Deep Security™, the solution has a broad set of security capabilities to support the critical needs of security in the cloud. This integrated solution prevents data breaches and business disruptions, provides easy deployment and administration, and helps achieve cost-effective internal and regulatory compliance across hybrid cloud deployments, and across multiple cloud providers.

#### PREVENT DATA BREACHES AND BUSINESS DISRUPTIONS

- **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. With the additional layer of application control, defend against attacks like ransomware at the server level.
- **Provides timely protection from constant malware attacks** like ransomware, ensuring that your servers and applications are protected with anti-malware, behavioral monitoring, predictive machine learning, web reputation, and sandbox analysis. Leveraging the Trend Micro™ **Smart Protection Network™**, Deep Security deployments leverage the latest in global threat intelligence.
- **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.

“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 AWS and Microsoft Azure** 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
- **Shields workloads from vulnerabilities** like Shellshock and Heartbleed before they can be exploited, helping to eliminate the operational pains of emergency patching, frequent patch cycles, and costly system downtime
- **Lock down servers** so that only authorized processes can run with application control that fits DevOps
- **Integrated central dashboard** enables administrators to see the health of their entire security environment at a glance with smart folders, and provides immediate notification of events or activities that may require immediate attention
- **Built-in reporting** provides 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
- **Available as software, as a service, and through the AWS Marketplace** for maximum deployment flexibility

## ACHIEVE COMPLIANCE COST-EFFECTIVELY WITH SUPPORT FOR INDUSTRY STANDARDS

Address multiple compliance requirements for PCI DSS, HIPAA, NIST 800-53, SSAE 16, and others with:

- **Comprehensive set of security controls** that has more requirements in one product, easing compliance effort
- **Detailed, auditable reports** that document vulnerabilities, detected attacks, and policy compliance status
- **Proven technology** certified to Common Criteria EAL

### 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., AWS Cloudformation, Chef, Puppet, SaltStack, 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
- **Workload inventory display** shows those servers associated with the cloud account and their current statuses—regardless of what cloud provider they are hosted on
- **Purchasing flexibility** so that you can purchase security the way you buy cloud. Choose consumption pricing with Deep Security as a Service

“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

“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

## DEEP SECURITY DELIVERS AUTOMATED AND HIGHLY SCALABLE CLOUD SECURITY

Trend Micro's cloud security capabilities are delivered by Deep Security. Already selected by thousands of global customers to protect millions of servers, it's part of Trend Micro's Hybrid Cloud Security Solution, which helps to secure modern data center and cloud deployments around the world.

Available as software, as a service, and through the AWS Marketplace, 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.

### Advantages include:

- **Comprehensive security capabilities** including anti-malware with web reputation, predictive machine learning, behavioral analysis, and sandbox analysis, network security through host-based firewall and intrusion prevention, and system security through integrity monitoring, log inspection, and application control
- **Deployment flexibility** with the choice of software, as a service, and AWS Marketplace offerings. Software includes full multi-tenant capabilities for easy service operation
- **Reduced cost and complexity** with security optimized for cloud and container environments. Reduces operational impact with a single platform for management of security controls and policies across multiple environments: physical, virtual, cloud, and hybrid

Available on  **aws marketplace** 

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

<sup>1</sup> IDC, Worldwide Endpoint Security Market Shares, 2015; Currency Volatility Headwind, #US41867116, November 2016

## 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:



Microsoft Azure 

## 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.

## POWERED BY XGEN™ SECURITY

Trend Micro Hybrid Cloud Security solution is powered by XGen™, a smart, optimized, and connected security approach.



Contact an Account Manager for more information.

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Securing Your Connected World

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