Trend Micro

HYBRID CLOUD SECURITY

Powerful, streamlined and automated security

INTRODUCTION

As you take advantage of the operational and economic benefits of virtualization and the cloud, it's critical to secure your virtualized data centers, cloud deployments, hybrid environments, and containers effectively. If you neglect any aspect of security, you leave gaps that open the door to threats and serious data breaches. And, to comply with data privacy and industry regulations, you will need to demonstrate that you have the appropriate security, regardless of your computing environment.

Hybrid Cloud Security automates security within your DevOps processes and delivers multiple XGen™ threat defense techniques for protecting runtime physical, virtual and cloud workloads, and containers, as well as scanning of container images during development phases. Reducing the number of security tools, a single dashboard combines capabilities with full visibility into leading environments like VMware, AWS, and Microsoft® Azure™. Trend Micro™ Deep Security™ platform lowers the cost and complexity of securing workloads across multiple environments, including purchase options aligned to the way you want to buy, automated deployment, extensive API integration and security capabilities that can virtually shield servers from the latest advanced threats like ransomware and network-based vulnerabilities.

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 Market Shares, 2015: Currency Volatility Headwind, #US41867116, November 2016

Why Trend Micro for hybrid cloud security?

- Secures physical, virtual, cloud, and container environments with central visibility and control
- Provides the most complete set of security capabilities available from the global market share leader in server security
- Reduces the number of security tools you need to protect your hybrid environment and meet compliance requirements
- Automate security to remove manual processes and reduce operational costs
- Powered by XGen™ security, which offers a cross-generational set of security controls optimized for leading environments
- Bake security into your CI/CD pipeline with API-first tools and resources

ACCELERATE COMPLIANCE ACROSS THE HYBRID CLOUD

Compliance with major regulations and industry guidelines like PCI DSS, HIPAA, NIST 800-53, NERC, FERC, SANS, ISO and GDPR that span the data center and cloud. Deep Security helps with:

- Detailed, auditable reports that document prevented vulnerabilities, detected attacks, and policy compliance status
- Reduced preparation time and effort required to support audits through centralized security controls and consolidated reporting
- Support for internal compliance initiatives to increase visibility of internal network activity
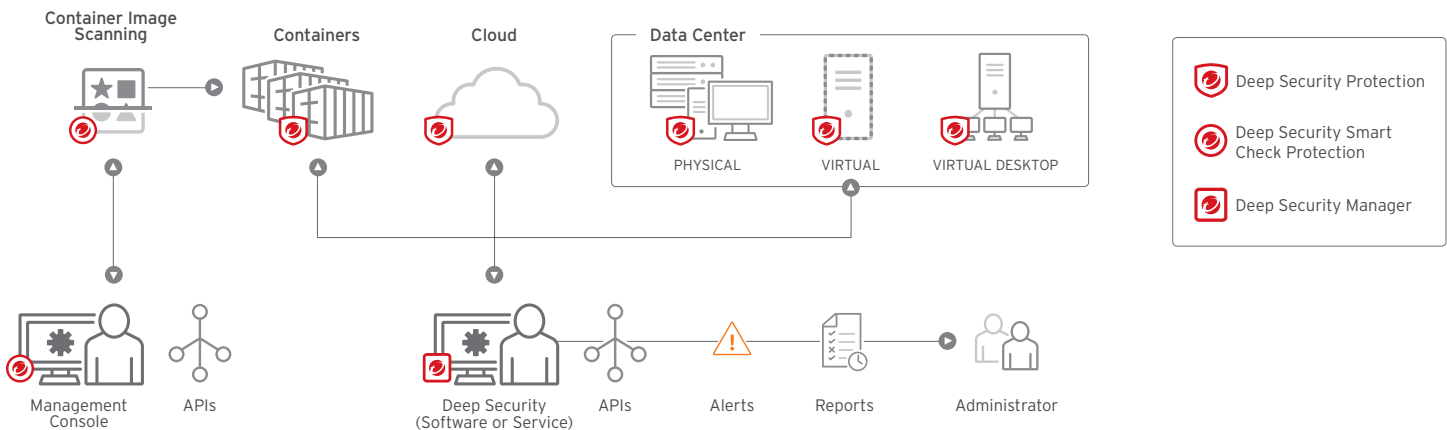- Proven technology certified to Common Criteria EAL2 and FIPS 140-2 validated

To learn more about our hybrid cloud security capabilities or to take a test drive, visit **trendmicro.com/hybridcloud**

DEEP SECURITY

Delivering multiple security techniques in a single product, Deep Security makes the deployment and management of security faster and easier, simplifying the transition from physical to virtual, and to the cloud. It also includes support for micro-services architectures and Docker container protection, delivering a consistent way to secure your data center evolution. Deep Security includes centralized management, automated server discovery, and vulnerability shielding to save you time and resources, leveraging integration with environments like VMware, AWS, and Microsoft Azure that have been optimized for maximum performance without compromising on security.

Deep Security is also available as a Service (SaaS). Our cloud-based security enables quick setup, and automates and simplifies security operations for cloud instances .

Container Image Scanning · Containers · Cloud · Data Center (PHYSICAL, VIRTUAL, VIRTUAL DESKTOP) · Management Console · APIs · Deep Security (Software or Service) · APIs · Alerts · Reports · Administrator

Deep Security Protection
Deep Security Smart Check Protection
Deep Security Manager

DEEP SECURITY SMART CHECK

SMART CHECK IS CONTINUOUS PROTECTION FOR YOUR CONTAINER IMAGES, AUTOMATED WITHIN YOUR CI/CD PIPELINE

Deep Security Smart Check is a pre-runtime standalone scan service for container images, improving protection of images prior to deployment. Smart Check delivers automated continuous image scanning with both vulnerability assessment and malware detection, image assertion, and access control, designed for securing images earlier in the CI/CD pipeline without negatively impacting the ability for DevOps teams to continuously deliver production ready applications and meet the needs of the business

TREND MICRO HYBRID CLOUD SECURITY

PROVEN VIRTUALIZATION SECURITY

The Trend Micro Hybrid Cloud Security solution, powered by XGen™, brings protection and visibility to your virtualized environments–including VMware Cloud™ on AWS–and removes the complexity and risk of managing security across multiple environments. It features Deep Security, which has been optimized for the virtualized data center, helping the operations and security teams to maximize security with minimal impacts on performance. It delivers decreased risk, lower operational costs, and rapid response to threats with automatic policy management, hypervisor-based security, and central visibility and control.

AUTOMATED CLOUD SECURITY

Deep Security helps to defend your cloud workloads, addressing the need to protect what is deployed IN the cloud as a part of the shared security responsibility for the cloud. It provides elastic security for dynamic workloads running in Amazon Web Services (AWS), Microsoft® Azure™, Google Cloud, and more. And for organizations embracing micro-services with containers, Deep Security protects Docker containers, extending frictionless host protection through to the container itself, allowing a secure and agile DevOps model.

CONTINUOUS CONTAINER SECURITY

Deep Security works seamlessly in the cloud to protect not only your workloads but also your container environments. Designed with strong API integration for leading cloud vendors, IT security can protect cloud environments with auto-generated deployment scripts for critical security controls and exceptional protection for containers and the Docker host, while DevSecOps can bake security into the CI/CD pipeline for frictionless pre-runtime scanning and automated protection of images.

DATA CENTER SECURITY

Deep Security consolidates all server security functions into one comprehensive, integrated, and flexible platform that optimizes protection across for your data center operations and security teams.

> "I did the Deep Security deployment myself— it was less than a day for the roll out across 100 virtual machines. Overnight, I saw our memory resource utilization go down by 27 percent."
>
> **Nick Casagrande**
> Director of IT
> Southern Waste Systems LLC
> Florida, US

BE POWERFUL:

Threats are becoming more sophisticated and disruptive, increasing the risk of leaving the business unprotected and potentially damaging the reputation of your security team and the organization.

Your security team needs a full range of security capabilities to protect against more threats faster. Protect against vulnerabilities, malware and unauthorized change with the broadest range of security capabilities in a single tool with Deep Security.
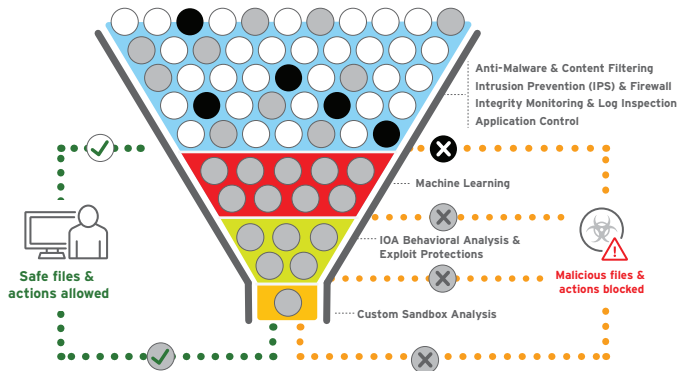
Consolidated solution with multiple security tools lowers maintenance, budget and overhead associated with support and operational functions. Ensure security throughout the entire development and operations pipeline from static image scanning to runtime security for deployed workloads.

GET STREAMLINED

As the business demands increase and the growth of hybrid cloud environments continues, teams and tools used to secure these environments become more siloed. This leads to inconsistent security due to multiple consoles and leads to investigation and compliance reporting becoming even more complex.

To overcome this challenge, Deep Security ensures consistent security and central visibility which is required to manage risk and meet compliance.

Accelerate incident response through intuitive dashboards and actionable insights across your entire environment, meaning your limited resources are able to accomplish more in less time

GO AUTOMATED

Development and Operations teams are moving fast and as a security expert it can sometimes feel as though you're losing control to shadow IT and business units.This can lead to a lack of security adoption because security is viewed as a roadblock, and this results in organizational risk.

Having the right tools to fit into your teams' current processes can make all the different. With Deep Security, you give your business tools that fit seamlessly into the Dev and Ops processes, without introducing friction. This will allow you to become a trusted partner with DevOps and increase security adoption across your organization.

Benefit from Trend Micro's Connected Threat Defense which enables the sharing of threat intelligence across Trend Micro and 3rd party security technologies, including:

· Trend Micro: endpoint, email, web and network security solutions
· SIEM: Splunk, SumoLogic, HP ArcSight, IBM QRadar
· OpenIOC
· Infrastructure Provider Security Offerings: AWS WAF, AWS GuardDuty, Amazon Macie
· Vulnerability Management: Qualys
· Security Tools: Okta integrated identity, Tenable

> " Deep Security has been a very good fit in our data center and provides excellent protection for our virtualized servers and desktops and our continually changing environment. I love it "

Orinzal Williams
Executive Director
United Way of Atlanta
Georgia, US

BUILD SECURE

Increased security and compliance requirements are causing unplanned work which means you're wasting too much time proving compliance and doing re-work to meet security requirements.

Development and Operations teams need security-as-code that will help to reduce disruption but still satisfies security and compliance teams. Deep Security has smart security controls that ensure you meet security and compliance requirements from the first build.
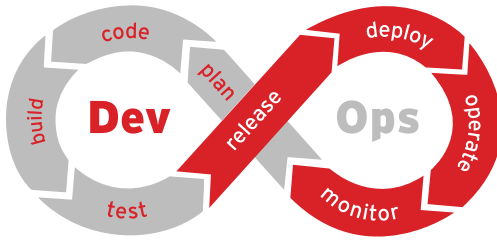
Security is moving left and covers your entire development and operations processes with both static image scanning and runtime workload protection.

SHIP FAST

Although important, security tools can often slow down your CI/CD pipeline which means development teams are missing time-to-market targets because security is hard to implement and isn't automated.

Your teams need automated security to reduce friction and increase speed. With Deep Security, security is connected through automation and integration in your CI/CD pipeline with the tools that you already use today.

Automate manual processes with security that integrates into your DevOps toolchain using RESTful APIs.

· Orchestration Tools: Chef, Puppet, Ansible, AWS OpsWorks, Salt Stack, Kubernetes
· Monitoring Tools: New Relic, AWS CloudTrail, AWS Config
· Continuous Delivery: GitHub, Jenkins, Atlassian
· IT service management: ServiceNow for workflow efficiencies

RUN ANYWHERE

Oftentimes security tools are Incompatible or simply not optimized for the cloud or your deployment processes. This means that security ends up causing high overhead due to multiple environments requiring unique tools, thus hindering your ability to streamline operations.

To fit into your processes, you need adaptable security tools that fit for anywhere you build, from data center to any cloud. Deep Security is optimized for the place that best suits your application ensuring that you can run your applications anywhere.

Trend Micro Deep Security is an optimized security solution with API integrations to seamlessly build across leading cloud (AWS, Azure), virtualization (VMware), container (Docker), and data center environments.

To learn more about our hybrid cloud security capabilities or to take a test drive, visit trendmicro.com/hybridcloud

Available on

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

"Businesses face ever-growing and ever-changing threats on the Internet. By blocking threats, Deep Security protects the online experiences of our customers. This upholds our reputation and theirs."

Todd Redfoot
Chief Information Security Officer (CISO) at Go Daddy

Securing Your Connected World