Managed Cloud Workload Protection

Traditional security products don't work well in the cloud

Product Sheet: Managed Security

MASERGY®

Cloud computing delivers the compelling cost, agility, and scalability benefits that modern IT organizations need to achieve operational efficiency. The problem, however, is that traditional security products were never designed to work within highly dynamic cloud environments.

Traditional Security Tools:

- Don't scale from 100s to 10,000s of workloads
- Don't support dev-sec-ops via integration with orchestration tools (e.g. Chef, Puppet)
- Lack cloud OS and process visibility for effective security incident detection

A new approach is needed to address cloud computing security risks that is both highly deployable and easy-to-manage at scale.

Achieve Cloud Security Assurance without Legacy Tool Constraints

Masergy Managed Cloud Workload Protection (CWP) provides organizations with the critical visibility and control needed for cloud information assurance. Masergy's turnkey security platform delivers real-time continuous protection and monitoring for servers, virtual machines, cloud operating systems, and containers.

Managed Cloud Workload Protection

Masergy Managed Cloud Workload Protection (CWP) is designed for highly dynamic cloud environments and includes a complete suite of security functions that comprehensively secure and monitor cloud workloads to reduce risks and improve operational efficiencies.

Configuration Security Monitoring

Evaluate servers in seconds for latest configuration of OS, applications, processes, network services, privileges, and more.

Software Vulnerability Assessment

Scan thousands of servers in minutes to maintain continuous exposure awareness in the cloud.

Server Access Management

Easily identify invalid or expired accounts, assigned privileges, and how accounts are being used.

Managed Cloud Workload Benefits

Protection:

- Embraces and enables fast and secure migration of enterprise services to IaaS/PaaS (e.g. AWS, Azure, Google) while also supporting legacy on-prem servers and data centers
- Frees up critical in-house security resources from time-consuming 24/7 alert monitoring and triage
- Protects against sophisticated attackers and security misconfigurations with extensive security controls and audit capabilities

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File Integrity Monitoring
Constantly monitor the server for unauthorized or malicious changes to important system binaries and configuration files.

Log-Based Intrusion Detection
Continuously monitor important server log files for events indicating misuse, misconfiguration, or compromise.

Traffic Discovery
Discover and visualize network traffic patterns so that effective firewall rules are deployed.

Workload Firewall Management
Deploy and manage dynamic host firewall policies across all environments from a simple web-based interface.

Multi-Factor Network Authentication
Hide and secure server ports while allowing temporary on-demand access for authorized users via two-factor authentication.

Event Logging & Alerting
Manage and detect a broad range of events and system states.

Masergy Managed CWP Features

- Integrates with Masergy Unified Enterprise Security platform for comprehensive Managed Detection and Response
- Metered billing for managed service based on actual hourly cloud workload usage
- Preconfigured policies readily support compliance requirements (e.g. PCI, HIPAA)
- SaaS-based delivery enables fast deployment and unlimited scalability
- Agent technology supports most Linux and Windows environments
- Enables automation via integration with most orchestration tools

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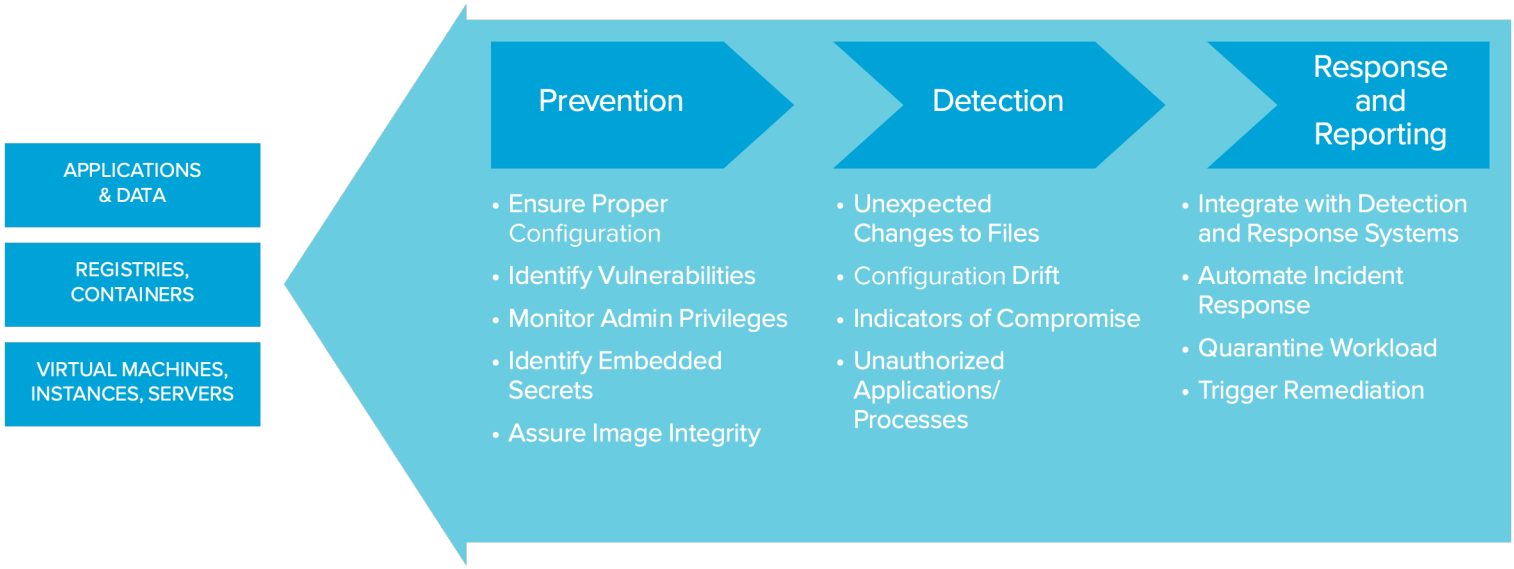
SHARED SECURITY MODEL



Masergy Turnkey Cloud Workload Protection

IaaS/PaaS Responsibility

Through 2020:

"95% of cloud security failures will be the fault of IaaS customers"

"99% of vulnerabilities exploited will continue to be ones known by security and IT professionals for at least a year"

Source: Gartner "How to Make Cloud IaaS Workloads More Secure Than Your Own Datacenter G00300337

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How It Works

Masergy Managed Cloud Workload Protection deploys automatically via scripts or orchestration tools using lightweight, tamper-resistant agents.

These agents automatically authenticate into the SaaS-based management platform and receive updated security policies every 60 seconds according to workload tags for specific security and use cases.

Any security misconfigurations, vulnerabilities, or indicators of compromise (IoC) notifications are immediately sent via the Unified Enterprise platform to the Masergy Security Operations Center (SOC) for triage and immediate response.

Masergy SOC experts quickly triage alerts and:

- Quarantine any impacted or compromised workloads (or take action as per specific customer requirements)
- Notify customer team of incident and assist with remediation actions
- Provide security assessment and policy configuration of cloud image or asset, and assist with agent integration and deployment

Requirements:

Managed Cloud Workload Protection requires a supporting deployment of Unified Enterprise Security, Masergy's Managed Detection and Response platform.

IaaS/PaaS	Agent		Orchestration Tools	Build Tools
	Linux	**Windows**		
AWS Azure Google Any other IaaS/PaaS	Amazon Linux CentOS Debian Fedora HAProxy Oracle Red Hat Ubuntu	2008 Server R2 2012 Server 2016 Server	Chef Puppet Ansible SaltStack BOSH	Jenkins

About the Masergy and CloudPassage Partnership

Today's threat landscape requires an advanced security approach that goes beyond prevention to include rapid detection and response. Masergy pioneered Managed Detection and Response over 15 years ago and takes a comprehensive approach with an optimized combination of innovative technology, resilient processes, and expert security analysts all working together.

We've partnered with CloudPassage®, creators of the world's leading workload security automation platform, to provide enterprises with universal visibility and continuous protection for servers in any combination of data centers, private/public clouds and containers.

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