Symantec.

Solution Brief

Security for IaaS CloudSOC and Cloud Workload Protection

Protect your Amazon Web Services and Azure environments from misconfigurations, misuse, attacks, threats, and data loss with the industry's most complete solution for IaaS security.

- Are you ensuring that your workloads and containers are secure?
- Do you log and analyze admin and user behavior, mitigating high risk or unsanctioned activity?
- Are you monitoring your IaaS deployments for misconfigurations or unsanctioned instances, and compliance posture?
- Do you ensure your confidential data is secure and private, and safeguarding against malware and advanced attacks?

amazon web services

Google Cloud Platform

Microsoft Azure

DID YOU KNOW?

On public IaaS platforms:

Hackers stole personal information on **57 million customers** in one incident.[1]

Personal information on **200 million US voters** was accidentally exposed.[2]

[1] *Source: 2017 Symantec Internet Security Threat Report*

[2] *Source: Symantec 1H2017 Shadow Data Report*

Symantec Security for AWS, Azure and GCP

CWP

DevSecOps

IaaS Environment

Cloud Workload Protection

Cloud Workload Protection Platform (CWPP)

- Auto-discovery and security
- Anti-malware and real-time file integrity management
- App isolation and control

CWP for Storage

- Anti-malware scanning
- Public exposure alerts
- DLP detection & remediation

CloudSOC™

InfoSec

CASB for IaaS

Cloud Access Security Broker (CASB)

- User monitoring and control
- UEBA account protection
- Discover shadow accounts
- Prevent misconfiguration
- Policy enforcement
- DLP for storage
- Advanced Malware Protection for storage

* *Integrates with* ***CASB for SaaS***

Cloud Workload Assurance

Cloud Security Posture Management (CSPM)

Available with both CWP and CloudSOC CASB

- Auto-discovery of resources
- Monitor configuration risks
- Compliance assurance

Integrated Cyber Defense

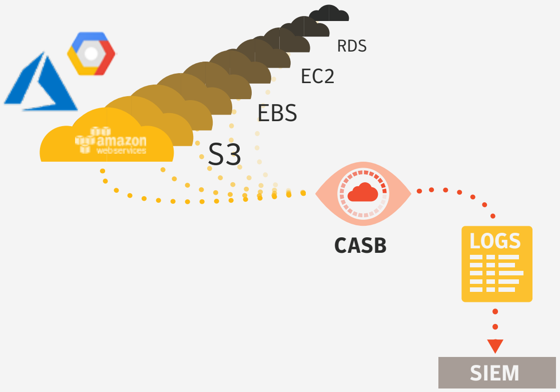
Unifying cloud and on-premises security to provide advanced threat protection and information protection across all endpoints, networks, email and cloud applications.

DLP
ATP
Compliance

Symantec enables you to detect and respond to security issues for your IaaS, PaaS, and SaaS, including AWS and Azure environments with integrated security solutions.

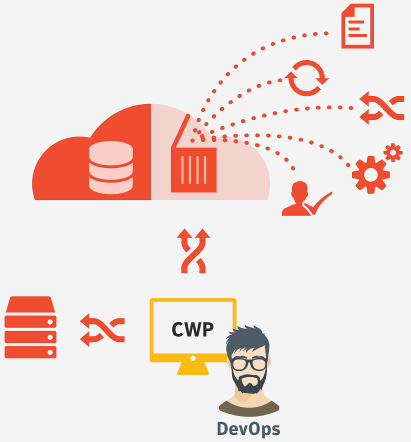
Get visibility and control over access to systems, settings, and content based on granular contextual event attributes using multi-channel cloud security functions leveraging API integration, agents, and inline traffic inspection. Symantec Security for IaaS offers admin monitoring and logging, OS hardening, access control, configuration monitoring and control, user and entity behavior analytics (UEBA), exposure analysis, DLP, threat protection, plus compliance analysis and remediation.

Monitor, log, and investigate activity



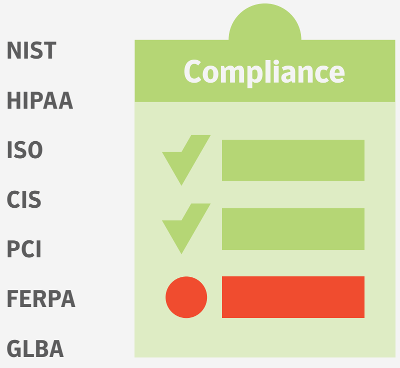
With the click of a button, users can instantly procure and provision IaaS instances, many of which house sensitive data and are spun up outside the view of IT. Get visibility into sanctioned and unsanctioned IaaS usage with Symantec Cloud Security. Monitor the creation of new IaaS instances, and log user and administrator activities across AWS CloudTrail services, including EC2, EBS, S3 and RDS—all from a customizable dashboard for AWS. Access a complete audit trail of activity for AWS and other cloud services in Symantec CloudSOC, where you can easily investigate, analyze and correlate security events across cloud apps and accounts to discover what really happened. Get the big picture backed by granular details using intuitive dashboards with powerful search and data visualizations, and the ability to export detailed incident logs to your SIEM for further analysis. Provide critical insights about security incidents to internal stakeholders—including Audit and Compliance—by leveraging customizable reports from CloudSOC.

Secure and harden workloads



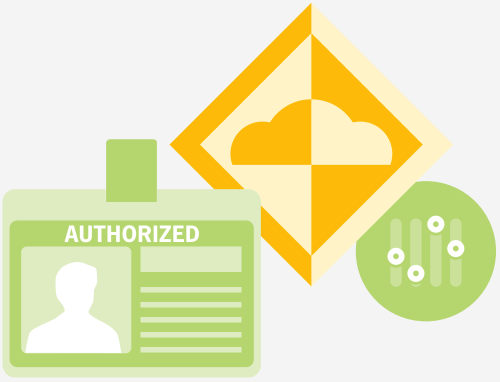
Organizations are rapidly migrating data center workloads to IaaS providers including AWS, Azure, and Google Cloud Platform for business agility, IT modernization, and cost savings. While cloud providers secure the underlying infrastructure, customers are responsible for securing their workloads, containers, and storage. Symantec Cloud Workload Protection automatically discovers and protects IaaS workloads with OS hardening, real-time file integrity monitoring, anti-malware, and application control to help block attacks such as ransomware and prevent data breaches. Native integration with public cloud APIs enables DevOps personnel to incorporate security best practices into their agile workflows to deploy secure, immutable applications and services essential to compliance. A single Cloud Workload Protection console enables control and security of enterprise workloads, containers, and storage across multiple IaaS public and private clouds, and even traditional on-premises data center environments.

Assess and report on compliance posture



Regulatory burdens are growing in number and complexity, ratcheting up the pressure on organizations to prove they meet security compliance requirements and audit standards. Symantec security for IaaS continuously assesses the compliance postures of your cloud environments with out-of-the-box policies that map resource configurations, such as network security group rules in AWS VPC and Azure Virtual Machines, to control statements across hundreds of government regulations, industry standards, and best practice frameworks. Our Cloud Workload Assurance policies are comprised of automated compliance checks which run on your cloud resources and enable you to prove compliance with PCI, HIPAA, CIS and other compliance standards.

Safeguard against changes and privileged misuse



Remediate and prevent shadow AWS instances and unauthorized changes. Enforce access controls. Confirm users creating instances or making administrative changes are authorized with change management. Automate protective controls over changes to AWS with CloudSOC policies to:

○ Monitor creation and termination of instances,

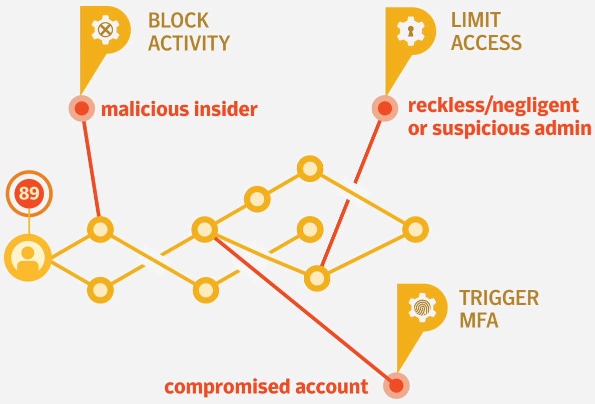
○ Control uploads of sensitive data,

○ Restrict access based on location, endpoint attribute, or user ThreatScore™

○ Limit permitted user actions based on AD attributes

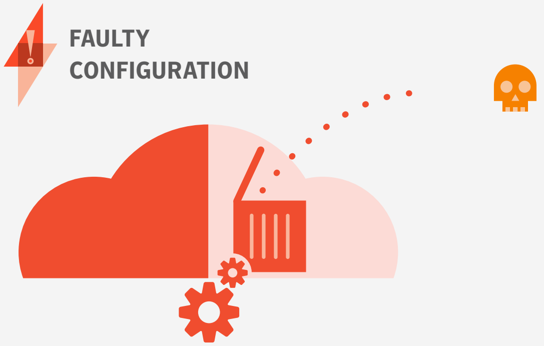
○ Prevent DevOps from working on unsanctioned accounts, etc.

Detect malicious insiders and compromised accounts



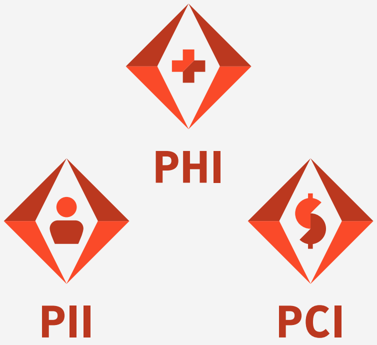
Discover attacks and malicious usage indicating privileged misuse, a compromised user account or malicious insider with data science driven UEBA that automatically learns normal activity patterns and identifies abnormal and potentially dangerous activity such as brute force attacks, repeated attempts to change security settings, upload sensitive data, or terminate instances. A machinelearning system in CloudSOC automatically assigns a dynamic ThreatScore to users and admins to allow you to quickly detect sources and activities of concern. With ThreatScore you can automate policybased responses such as blocking further activity, limiting access, or requiring further user authentication. A ThreatMap gives you are view of risky user activities across IaaS, PaaS, and SaaS apps for at-a-glance diagnoses of attacks. Complex sequence detectors identify multi-stage attacks involving multiple apps and actions.

Monitor and control resource configurations



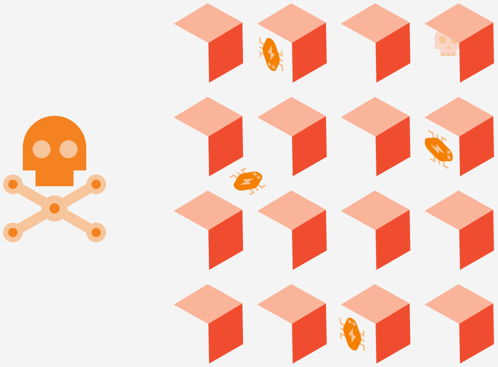
It may feel impossible to close all the security loopholes in your cloud infrastructure when you consider that an organization can launch thousands of cloud services, across hundreds of accounts and multiple cloud providers. But with Symantec security for IaaS, you can monitor and control siloed IaaS environments for faulty resource configurations that expose your organization to malicious attacks and data breaches —all from a centralized control point. Cloud Workload Assurance service, integrated with Symantec CloudSOC and Symantec Cloud Workload Protection, identifies and fixes exploitable misconfigurations through automated discovery of cloud resources and remediation of failed security checks across your AWS and Azure environments. Cloud Workload Protection performs OS hardening and CloudSOC tracks admin activities for high risk configuration changes.

Keep your confidential data secure



Configuration errors in cloud storage services are exposing massive amounts of corporate data to the public Internet and leaving the door wide open to hackers. Avoid embarrassing and costly breaches with unparalleled data protection for cloud storage from Symantec cloud security. Monitor and track confidential data in Amazon S3, Azure Storage, and custom apps with content scanning that automatically classifies regulated data, intellectual property and any other type of sensitive information. Prevent leaks with data loss prevention policies that monitor and secure what data can be stored, accessed, and shared on AWS and Azure. Ensure personal data stays private with automated encryption controls for Amazon S3.

Defend storage against advanced malware threats



Attackers are using increasingly advanced techniques to exploit and abuse cloud services, looking for weak links that can provide a clear path to your data or opportunities to use your IaaS resources for their purposes. Automatically detect and remediate persistent malware threats lurking in your AWS S3 storage buckets with powerful anti-malware scanning and quarantining from Symantec cloud security. Immediately discover and get alerts when any S3 buckets are infected. Prevent the proliferation of malware and protect against data destruction or breaches with industry-leading threat protection that leverages reputation analysis, machine learning, behavioral analysis, and cloud sandboxing.

About CloudSOC

Data Science Powered™ Symantec CloudSOC platform empowers companies to confidently leverage cloud applications and services while staying safe, secure and compliant. A range of capabilities on the CloudSOC platform deliver the full life cycle of cloud application security, including auditing of Shadow IT, detection of intrusions and threats, detection of high risk user actions, protection against data loss and compliance violations, and investigation of historical account activity for post-incident analysis. CloudSOC provides cloud access security broker protection for sanctioned and unsanctioned IaaS, PaaS, and SaaS use. CloudSOC integrates with Symantec Cloud Workload Assurance (CSPM), Data Loss Protection, Secure Web Gateways, User Authentication, Encryption, Advanced Threat Protection, Endpoint Protection, Global Intelligence Network and more to offer a CASB 2.0 Integrated Cyber Defense solution.

go.symantec.com/casb

About Cloud Workload Protection

Symantec Cloud Workload Protection (CWP) Suite enables secure adoption of cloud IaaS platforms with workload protection, storage protection, and cloud security posture management. CWP discovers and secures workloads across AWS, Azure, and Google Cloud Platform, as well as private cloud and on-premises environments. CWP for Storage discovers and scans Amazon S3 storage for malware and threats with cloud-native integration that allows DevOps to build security into CICD pipelines. Cloud Workload Assurance reduces risk by benchmarking security controls in AWS and Azure against industry and compliance standards including CIS, CSA, PCI, HIPAA, and more. A single console unifies visibility, security policy and posture, and vulnerability reporting.

go.symantec.com/cwp

About Symantec

Symantec Corporation **(NASDAQ: SYMC)**, the world's leading cyber security company, helps businesses, governments and people secure their most important data wherever it lives. Organizations across the world look to Symantec for strategic, integrated solutions to defend against sophisticated attacks across endpoints, cloud and infrastructure. Likewise, a global community of more than 50 million people and families rely on Symantec's Norton suite of products for protection at home and across all of their devices. Symantec operates one of the world's largest civilian cyber intelligence networks, allowing it to see and protect against the most advanced threats. For additional information, please visit www.symantec.com or connect with us on Facebook, Twitter, and LinkedIn.

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