Secure use of cloud apps & services
Every organization uses cloud apps, sanctioned or unsanctioned by IT.

Securely adopt cloud apps and meet your regulatory compliance requirements with an industry-leading Cloud Access Security Broker (CASB) that integrates with the rest of your enterprise security. CloudSOC provides visibility, data security and threat protection for today’s cloud generation of users across a wide range of sanctioned and unsanctioned apps.
Cloud App Visibility

Identifies, classifies and controls sensitive, compliance-related and confidential data at risk of exposure in the cloud.

Data Security

Identifies high risk user behavior and controls threats in cloud apps.

Threat Protection

Quickly investigate areas of concern in cloud accounts with rich log-based intelligence.

Incident Response

Integrate CASB with the rest of your enterprise security.
Discover and control use of Shadow IT with CloudSOC Audit

SITUATION
Shadow IT use of cloud apps introduces compliance and security risk. Typical enterprises find hundreds of cloud apps in use and most of these services are not business ready, do not meet compliance requirements, and have zero security oversight.

SOLUTION
Gain visibility over all the cloud services used in your organization and identify risk and compliance issues. Make smart decisions on what apps to sanction, subscriptions to streamline, and controls to enforce on the use of risky apps.

Extensive Cloud App Intelligence
The cloud app intelligence in Audit makes it easy to compare similar cloud services, identify and standardize on the best platforms for your business, and automate controls to mitigate the risk of using unsanctioned cloud apps.

- Extensive identification and research for ten’s of thousands of cloud apps
- Detailed intelligence on more than 100 different risk attributes for each cloud service
- Automatic and customizable Business Readiness Ratings™ for each application
How CloudSOC Analyzes Cloud App Usage

* Discovers Shadow IT by analyzing event logs from firewalls, proxies, and other systems
* Analyzes Shadow IT in use with intelligence on the risks associated with individual cloud services
* Monitors Shadow IT usage through intuitive dashboards and reports
* Generates risk assessments on demand—a key requirement for most compliance regulations
* Automates control over use of cloud apps through integration with Symantec secure web gateways

Request a free Cloud Services Risk Assessment Report.
Protect your data in the cloud with CloudSOC

SITUATION

Cloud services make it easy to collaborate. They also make it easy to expose or lose sensitive, confidential, or compliance-related data. A typical organization broadly shares more than 20% of files in cloud apps—either to the public, to the entire organization or to an external party. Some of these files will contain confidential data.

SOLUTION

Prevent Data Loss in the Cloud with CloudSOC by identifying sensitive data, monitoring data at risk, encrypting sensitive content, and enforcing policy controls to prevent data breach.

Know Your Cloud Data

**ContentIQ™ Data Science Engine for DLP**

- Highly accurate data classification powered by a machine-learning system
- Automatic classification of data and file types
- Contextual-analysis and computational linguistics identify more content without false positives than simple Regex matching alone
- Extensive dictionaries—automated and customizable
- Self-training system learns to identify custom documents

Classify and track compliance-related and confidential data such as PII, PHI, source code, legal, health, and more automatically

Identify users associated with sensitive data at risk

Monitor and mitigate risk of exposure for sensitive data

Apply global policies to control access to data and transactions with cloud apps

Encrypt sensitive content being uploaded to the cloud

1Source: 2H 2016 Shadow Data Report, Symantec
How CloudSOC Secures Data in the Cloud

- Scans content and automatically classifies data with highly accurate DLP
- Monitors sensitive data and remediates risky exposures identified in cloud apps
- Leverages both API-based Securlets™ for sanctioned SaaS and IaaS accounts and CASB Gateway for real-time traffic between users and cloud apps
- Enforces rich content-aware and context-aware policies to govern transactions, including encryption of sensitive content
- Integrates with Symantec DLP to extend central enterprise DLP policies and workflows to cloud apps

Data Loss Prevention with integrated CloudSOC and Symantec DLP
Safeguard data in cloud apps with the same DLP policies and response workflows you use for your endpoints, networks, and data centers by using CloudSOC integration with Symantec DLP in the cloud.

Protect Confidential Data with integrated CloudSOC and Symantec Encryption
Automatically encrypt sensitive files in cloud apps and manage access to those files with integrated Symantec Encryption by PGP or SafeNet and CloudSOC.

Protect Structured Data with Cloud Data Protection
Tokenize or encrypt data in Salesforce, Oracle, or ServiceNow at the field level to maintain both data privacy and application functionality with Symantec Cloud Data Protection. Perform encryption on-premises or in the cloud and keep control of your encryption keys.
Detect and remediate threats in cloud apps with CloudSOC

SITUATION
Cloud accounts are often accessible directly from the internet, introducing a new threat vector. Bad actors target user accounts to gain direct access to sensitive content and infiltrate an organization. In addition, users connecting to accounts with malware infected devices can inadvertently infect the broader organization or cause a data breach.

SOLUTION
Protect your organization from threats in cloud account with controls based on data science powered User Behavior Analytics (UBA) and integrated malware protection.

User Behavior Analytics and ThreatScore™

The risk level of a user’s behavior is quantified with a numerical ThreatScore. A high ThreatScore indicates risky and potentially malicious activity. You can identify the risk level for a user at-a-glance, trigger an alert, or enforce a policy control with this useful system.

- Individualized and contextualized user behavior profiles based on machine-learning
- Highly accurate data science driven identification of abnormal user activity
- Visual maps of user actions, policy violations, and threats across services
- Track complex sequence of events indicative of data exfiltration
Identifies, logs and maps abnormal and high risk activity

Tracks individual user activity and assigns a real-time user ThreatScore

Enforces policies based on ThreatScore to alert, quarantine or block activity

How CloudSOC Protects Against Threats

- Identifies, logs and maps abnormal and high risk activity
- Tracks individual user activity and assigns a real-time user ThreatScore
- Enforces policies based on ThreatScore to alert, quarantine or block activity
- Scans content in cloud apps for malware and remediates
- Leverages both API-based Securlets for sanctioned SaaS and IaaS accounts and CASB Gateway for real-time traffic between users and cloud apps

Adaptive Authentication with integration of Symantec VIP
Control access to cloud accounts with identity management, single sign-on, and multifactor authentication solutions. CloudSOC offers deeper integration with Symantec VIP to apply adaptive multifactor authentication to prevent bad actors from accessing cloud accounts even if login credentials are stolen or hacked.

Malware & Threat Protection with integrated Symantec ATP
CloudSOC offers highly flexible integration with anti-malware and advanced threat protection solutions to identify and remediate malware infections. Integration with Symantec ATP delivers file reputation analysis, A/V scanning and advanced threat sandboxing to all your cloud content.
Investigate and respond to incidents with CloudSOC

SITUATION
Security incidents happen. The more you know about your activity in the cloud, the more you can do to protect your organization.

SOLUTION
Quickly investigate areas of concern with rich log-based intelligence. The Investigate function makes the intelligence of CloudSOC accessible to you through easily searched and filtered logs documenting cloud transactions based on users, files, apps, actions, and more. Investigate presents data graphically for fast analysis and offers consolidated summary logs for an instant review of relevant activity.

Know Your Cloud History

StreamIQ™ delivers granular transaction details

- Data science driven engine that translates real-time traffic and API data into granular log data that’s easy to understand and act on
- Covers over 75 cloud apps in granular detail
- Granular details on what actions were taken (upload, download, share, delete, etc)
- Identification of which user, what objects, and what content was involved
### How CloudSOC Investigates Incidents

- Logs user activity in traffic between users and cloud apps via CASB Gateway and via API-based Securlets for sanctioned SaaS and IaaS accounts
- Displays graphs and consolidated log reports based on free-form search and filters
- Expands to share detailed log data on users, files, apps and actions
- Exports data to your favorite SIEM for further analysis

### Incident Response with SIEMs

Log files from Investigate are easily exported to your SIEM for further analysis.
Secure your entire enterprise

The cloud is part of your organization’s infrastructure. Solve your cloud security needs with a system that integrates with the rest of your enterprise security.

For more info on Symantec CloudSOC CASB and its industry leading integrations with Symantec Enterprise Security Systems, visit go.symantec.com/casb

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, real-time detection of intrusions and threats, protection against data loss and compliance violations, and investigation of historical account activity for post-incident analysis.

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.