TECHNICAL BRIEF

Prevent Data Loss When Using Microsoft Office 365

Symantec Email Security.cloud and CloudSOC give you the visibility and protection you need

Introduction

The world is moving to the cloud. Everyone knows the benefits—greater productivity, flexibility, scalability, cost savings, and more. As it happens, those benefits are nicely captured in Microsoft Office 365.

But as your organization moves quickly to capitalize on all Office 365 has to offer, despite all your organizational gains, you may be losing visibility into, and control over, what you send to, store in, and receive from the cloud.

Security that worked well in your on-premises environment just doesn't cut it in the cloud. Office 365 built-in security doesn't provide the same level of protection you would demand for your on-premises defense.

If you rely only on Office 365 built-in security, your organization may still be at risk for account takeover, ransomware attacks, and data loss.

Data Loss in Office 365

Cloud apps, such as those in Office 365, move key information outside the traditional corporate perimeter, inadvertently exposing your organization's intellectual property and compliance-sensitive information to greater risk.

Confidential data loss can be accidental/unwitting. It takes only a moment to upload a file to a shared OneDrive folder, add content to a document in Teams, or send an email that contains confidential data. Data loss can also be malicious and deliberate. Hackers and malware are looking to the cloud for confidential data to steal.

Preventing data loss is more critical than ever as your organization strives to comply with expansive and evolving regulations (HIPAA, GDPR) and avoid the devastating consequences of a data breach.

What Is Confidential Data?

Confidential data includes critical business intelligence as well as regulated data such as personally identifiable information (PII), protected healthcare information (PHI), and payment card information (PCI).

The Symantec Defense

Symantec CloudSOC, our cloud access security broker (CASB), and Email Security.cloud combine to further your organization's ability to identify, protect, and control access to sensitive data.

Symantec CloudSOC automates data security, data loss prevention, and access control to limit data loss and exposure in Office 365. It automatically detects confidential content exposed in apps such as email, OneDrive, SharePoint, and Teams. It also provides visibility into all your confidential data in Office 365: Where it is, who is responsible for it, what type of confidential data it is, and who has access to it.

CloudSOC also monitors user activity within Office 365, and in transactions with Office 365, in real time, detecting unsafe data practices and enforcing policies to:

- Undo unsafe sharing actions
- Delete highly sensitive content that doesn't belong in Office 365
- Block unsafe uploads or downloads
- Quarantine sensitive content

CloudSOC ContentIQ uses a highly accurate data classification engine that automatically and accurately detects and classifies your company's sensitive data—providing much needed visibility into what's in your Office 365 apps, and into what sensitive content is at risk of exposure.

ContentIQ examines a broad range of file and field types (including documents, databases, sound and video, graphics, executables, and custom forms). It examines structured, unstructured, and interactive content in emails, messages, notes, storage, and more in the cloud. It inspects virtually any file type and detects forms specific to your organization that contain sensitive data, even in handwritten content. Unlike other CASB tools, CloudSOC doesn't need time-consuming custom tuning, thanks to its sophisticated machine learning engine.

With CloudSOC ContentIQ, you control exactly how Office 365 accounts and content are accessed, used, emailed, and shared by employees, contractors, vendors, and clients. And you enforce policies based on location, device type, user role or group, user behavior risk level, and more across email, file sharing, collaboration, and other Office 365 apps.

Symantec Email Security.cloud tools help you discover and protect sensitive data in outbound email. These include using policy configuration, compliance and regulatory templates, email encryption, and more. Email Security.cloud analyzes multiple email components (including the email body, subject, headers, and attachments) and takes a range of actions when content matches administrator-created rules; meanwhile, approved messages pass through to their intended recipients. Emails with sensitive content are automatically protected with policy-based encryption so they can be safely exchanged with external recipients.

Next Steps

Your organization can go a step further to enforce data protection, using one centrally managed Symantec solution for all cloud apps, email, endpoints, data centers, and network. Both CloudSOC and Email Security.cloud seamlessly integrate with Symantec Data Loss Prevention to enforce the same data protection policies across your organization.

Try a Free Risk Assessment

Discover your exposure with a Free Office 365 Data Risk Assessment.

About Symantec

Symantec Corporation (NASDAQ: SYMC), the world's leading cyber security company, helps organizations, 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 and LifeLock product suites to protect their digital lives at home and across 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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