

Why Higher Education Needs Cloud Security



Colleges and universities collect a **massive amount of personal information** from students, parents, faculty, and staff



Personally Identifiable Information



Financial and Credit Information



Health Information



They quickly become **targets of cyber criminals** looking to profit from sales on the dark web



Cyber Criminals Target Higher Education Institutions

"We need not to think, 'Will a data breach happen at my institution?' but 'When will it happen and how will I be prepared?'"

Susan Grajek

Vice President for Communities & Research
EDUCAUSE

103%

Lost, stolen, or compromised data records increased in higher education by 103% in the first 6 months of 2017 compared to the last half of 2016

118

118 successful cyber attacks took place on higher education institutions in the first half of 2017, representing 13% of total successful breaches

Source: <https://edtechmagazine.com/higher/article/2017/12/education-sector-data-breaches- skyrocket-2017>

The Rising Cost of Data Breaches

The financial impact of security breaches on higher education is measured in the **millions of dollars**



Average total cost of a data breach increased **6.4%** and average number of records stolen increased **2.2%** in 2018

In 2018, the average total cost of a single data breach for an organization across all industry sectors topped **\$7 million**

For higher education, these costs don't take into consideration the costs and long-term damage inflicted by student identity theft

Source: <https://library.educase.edu/-/media/files/library/2018/10/cybersecrostop.pdf>

Cloud Adoption in Higher Education

Colleges and universities are moving to the cloud to:



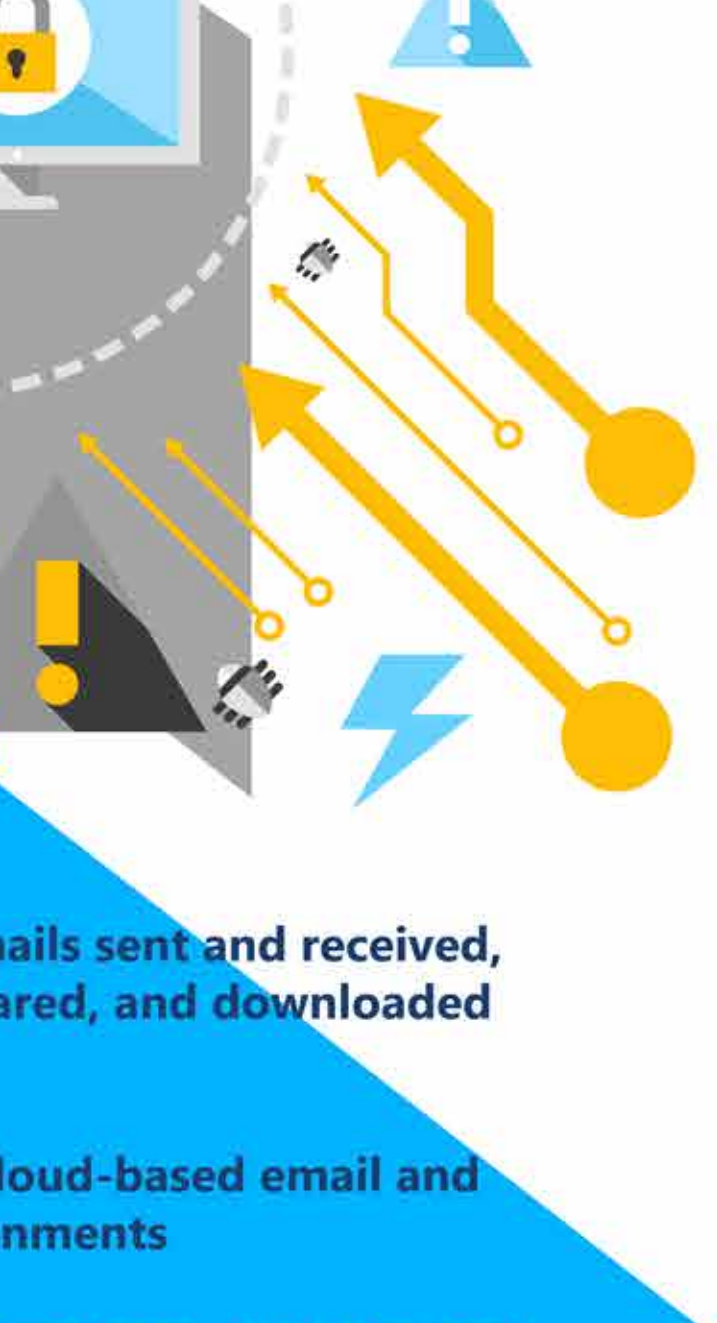
REDUCE THE COSTS OF STORING DATA



IMPROVE PRODUCTIVITY



ENABLE COLLABORATION



70%

Approximately 70% of higher education institutions have transitioned to cloud-based email systems

50%

50% are adopting cloud collaboration systems

Source: <https://www.efficient.com/insights/The-Cloud-A-Smart-Move-for-Higher-Education/>

Managing Cloud Security

Do more with current IT staff to make cloud accessibility and collaboration secure and safe

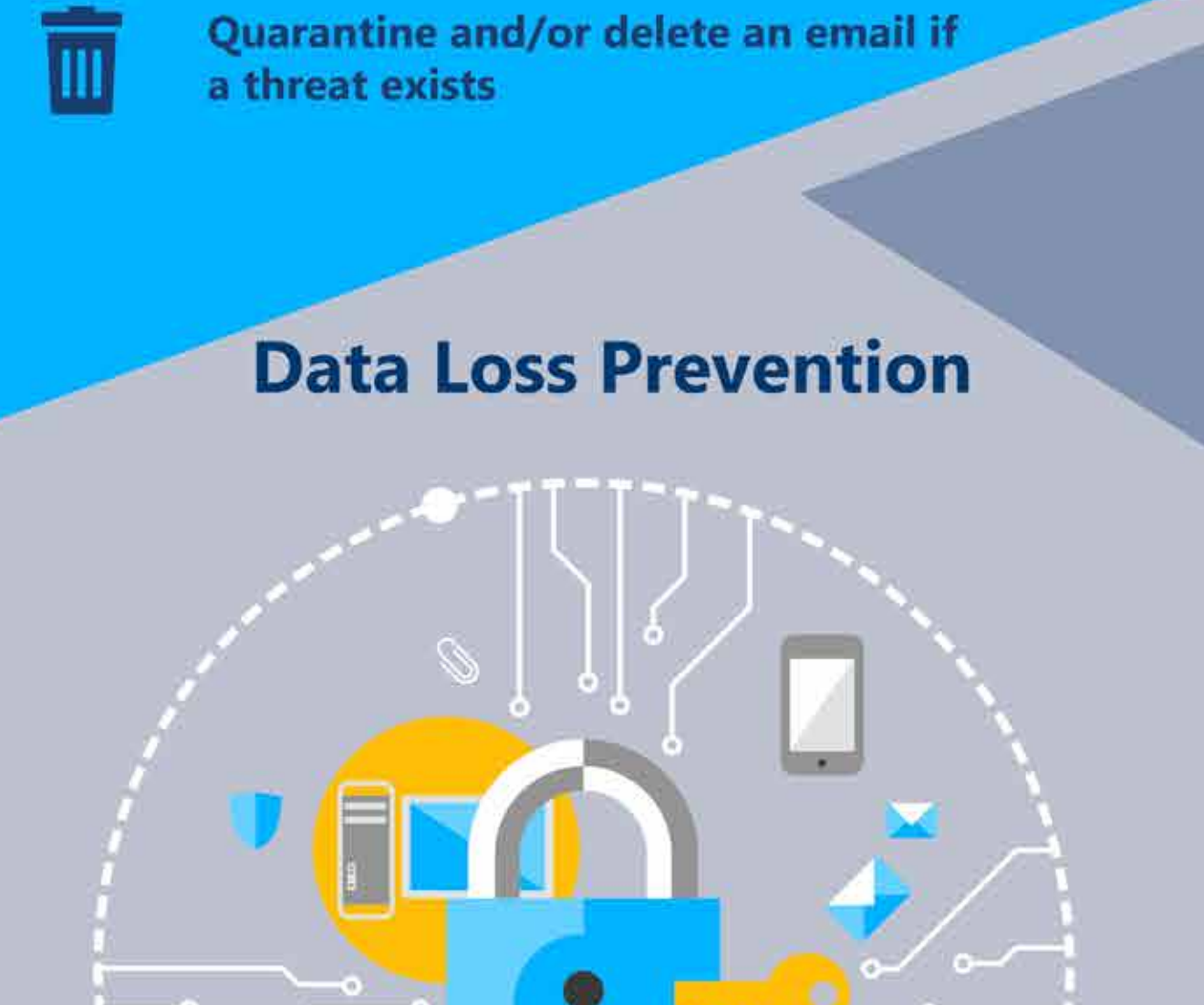


When an understaffed and overwhelmed IT team is dealing with **thousands of users**, and potentially **tens of thousands of endpoints**, the ability to monitor and control accessibility is untenable



Cloud Application Security

Threat Protection



Notification of emails sent and received, files uploaded, shared, and downloaded

Analysis of both cloud-based email and file sharing environments

Scan and alert for malware, phishing, and data loss prevention risks

Quarantine and/or delete an email if a threat exists

Data Loss Prevention



Gain insight into data access and use across cloud apps, pinpointing high-risk behavior from both internal and external threats

Detect and remedy data exposure, such as documents containing sensitive personal information, using custom rules

Identify noncompliant third-party applications that have authenticated access to your domain, then automatically govern use and ensure compliance

Audit and Reporting



Analyze user access to files enabled in campus accounts

Uncover malicious and potentially threatening files and emails

Flag files containing sensitive information that are not in compliance with sharing policies

Customize and schedule frequent reporting on security data that matters most to your institution

About ManagedMethods

ManagedMethods is the most efficient and affordable way to gain visibility into how data is stored, accessed, and shared in cloud applications. Start a free trial to gain visibility and control over your Google G Suite and Microsoft Office 365 campus accounts.

ManagedMethods is the industry's **only cloud application security solution** that can be deployed in minutes with no special training and with no impact on users or networks.

Learn more at managedmethods.com.

