

A MULTI-LAYERED APPROACH TO SECURITY

The security risks are real with IoT, and as it continues to grow, organizations need to make a fundamental change in their approach to information security to align with this complex and interconnected environment. Canon Solutions America takes a layered approach in its process.

5 AREAS OF CONCERN TO EFFECTIVELY PROTECT YOUR SCHOOL

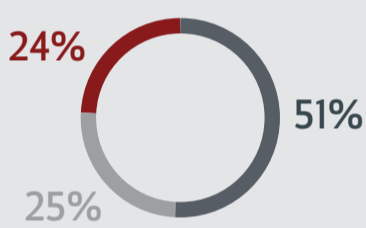


A comprehensive and defense-in-depth security approach includes a combination of **people, processes, and technology.**

PEOPLE

24% of breaches were the result of human error.

- 2019 Cost of Data Breach Study by Ponemon Institute & IBM Security



Your students and faculty don't know what they don't know. You must enable them to be front line defenders against today's pervasive threats.

PROCESSES

In 2015 30% of US organizations used the NIST Cybersecurity Framework with an expectation to rise to **50%** in 2020.

- The National Institute of Standards and Technology



Ensure that your security posture is implemented with solid foundational principles and processes.

TECHNOLOGY

The median company received **90%** of its detected malware by email.

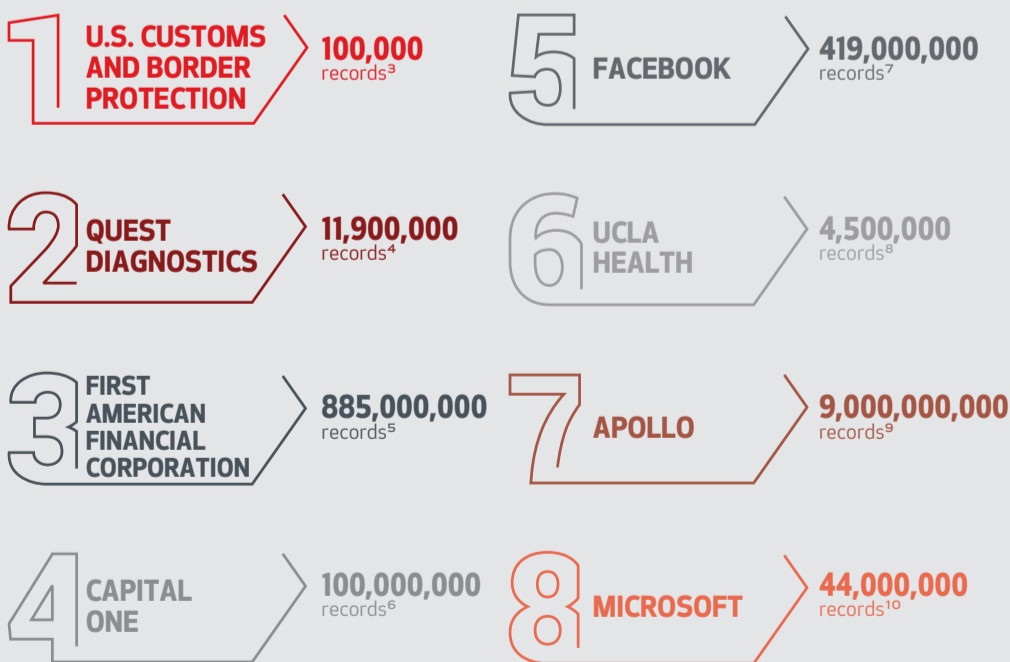
- 2019 Verizon DBIR



Protecting the gateway is not enough. Leverage technology to protect your entire email infrastructure.

According to a recent IDC survey, 78 percent of IT execs reported security breaches are impacting investment plans.¹ If you are not investing in all these areas, you may have an incomplete workplace security posture exposing you to malicious hackers.

WORLD'S BIGGEST DATA BREACHES & HACKS



Almost 60 percent of organizations experienced a data breach in 2019 due to either a criminal or malicious act, a system glitch, or simple human error.²

IDC forecasts **41.6 billion** connected IoT devices generating **79.4 zettabytes (ZB)** of data in 2025¹¹

25 connected devices per **100 inhabitants** in the U.S.¹²



Explore Canon Solutions America's holistic and layered approach to protecting your school's financial information, intellectual property, student records, and payroll information. Visit csa.canon.com/security.

Sources:
¹IDG Security Priorities Study, 2019
²Source: quocirca - Managed Print Services Landscape, 2019
³Washington Post May 2019 (https://www.washingtonpost.com/technology/2019/06/10/us-customs-border-protection-says-photos-travelers-into-out-country-were-recently-taken-data-breach/?utm_term=.69c66aaf152f)
⁴NBC New York May 2019 (<https://www.nbcnewyork.com/news/local/Quest-Diagnostics-12-Million-People-Data-Breach-510754611.html>)
⁵KrebsOnSecurity.com 2019 (<https://krebsonsecurity.com/2019/05/first-american-financial-corp-leaked-hundreds-of-millions-of-title-insurance-records/>)
⁶Forbes 2019 (<https://www.forbes.com/sites/rachelsandler/2019/07/29/capital-one-says-hacker-breached-accounts-of-100-million-people-ex-amazon-employee-arrested/#2a5cb36b41d2>)
⁷FastCompany 2019 (<https://www.fastcompany.com/90399734/the-phone-numbers-of-419-million-facebook-accounts-have-been-leaked>)
⁸HealthITSecurity.com 2019 (<https://healthitsecurity.com/news/ucla-health-reaches-7.5m-settlement-over-2015-breach-of-4.5m>)
⁹Wired. Com 2019 (<https://www.wired.com/story/apollo-breach-linkedin-salesforce-data/>)
¹⁰BusinessInsider 2019 (<https://www.businessinsider.in/tech/news/passwords-of-44-million-microsoft-users-compromised/articleshow/72433154.cms>)
¹¹IDC 2019
¹²Symantec Internet Security Treat Report 2019