KEÝFACTOR

The ROI of PKI: Fascinating Facts About the Impact of Unsecured Digital Identities



HIGHLIGHTS FROM THE 2019 KEYFACTOR-PONEMON INSTITUTE REPORT

Digital Identity Challenges

Organizations are concerned about their ability to effectively secure keys and certificates. Just one expired certificate can wreak havoc on an enterprise impacting staff, customers and the bottom line.

ISSUES	90% of respondents believe they are managing more than 5,000 certificates across their organization to secure data and authenticate systems.	• 71% don't know how many keys and certificates their organization actually has.	• 88% report they've experience unplanned outages due to expired certificates during past 24 months.	þ	 for digital security within organizations are: Knowing the expiration dates of certificates. Authenticating and controlling IoT devices. Complying with regulations.
	Immediate revenue loss				TOTAL COST
S	System administration, replacement of certificates and keys				\$11,122,100
COSTS	Lost user productivity			550	The average cost to an
	Diminished productivity of the IT security team				organization for an unplanned outage due to expired certificates is \$11.1M.
	Diminished brand or reputation \$1,621,050				

Non-Compliance

Failed audits and lack of compliance are one of the costliest and most serious threats to an organization's ability to minimize risk.



FAILED AUDITS

Respondents estimate that they experienced an average of more than **5 failed audits** or **compliance** in the past two years.

42%

likelihood that incidents like these will occur over the next two years. AVERAGE COST

TOP 3 STRATEGIC PRIORITIES

\$14.4M

0

The average cost to an organization for these events is \$14.4M.

Aligning Business Priorities with IT Budgets

Business strategies are accelerating digital security requirements. Covering every identity across the entire organization is the right answer, but per-certificate pricing models force compromise and unnecessary increased costs.

0



65% Are adding encryption layers to meet regulations & compliance requirements. **63%** Say these additional certificates are increasing operational costs.



AVERAGE ANNUAL IT SPEND

\$18.2M

Average annual IT spend is \$18.2M with just **14%** allocated to PKI

Not to mention the **\$13.2M** price tag for phishing and man-in-the-middle attacks due to compromised or rogue certificate authorities.

Staffing Concerns

Most organizations do not have enough IT security personnel to manage, maintain and secure keys and certificates, and are challenged to find a qualified workforce.



To dive deeper into the data, get your copy of the full report here. For more information or to contact one of our experts, visit www.keyfactor.com.

ABOUT

Keyfactor[™], formerly Certified Security Solutions (CSS), is a leading provider of secure digital identity management solutions that enables organizations to confirm authenticity, and ensure the right things are interacting in the right ways in our connected world. CONTACT US

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