

— A Security Imperative —

The Evolution of Privileged Access

Privileged accounts, credentials and secrets exist everywhere — on-premises, in hybrid cloud and DevOps environments, and on the endpoint.

With investments in modern infrastructure and digital transformation, the attack surface is expanding exponentially.



100%

of advanced attacks exploit privileged credentials¹



Average cost of a data breach

\$3.86 million²



90%

of organizations feel vulnerable to insider threats³



A business will fall victim to a ransomware attack

every 14 seconds

by 2019⁴



IoT devices

will be the biggest technology crime driver in 2018⁵



Approximately

70%

of breaches associated with state-affiliated actors involve phishing⁶



Major cyber attacks over the past decade all have a privileged access connection.

2008

San Francisco network administrator **Terry Childs** holds city's network hostage



2010

Stuxnet trojan exploits embedded, default passwords to impact Iranian nuclear facility

2013

NSA contractor **Edward Snowden** arrested for espionage



Phishing attack leads to compromise of **3 billion Yahoo user accounts**

2015

U.S. Office of Personnel Management breach exposes **21.5 million records**



Ukraine power grid taken down leaving **230,000 residents in the dark**

2016

\$81 million Bangladesh Bank heist accomplished through the compromise of SWIFT-connected systems



Hollywood Presbyterian Medical Center targeted in ransomware attack

Uber breach exposes cloud and DevOps vulnerabilities, along with **57 million driver and passenger records**



A massive **Mirai botnet** distributed denial of service (DDOS) attack exploits insecure IoT devices compromised through default passwords

2017

WannaCry and Petya usher in era of crippling ransomware attacks



2018

Ransomware attack cripples city of Atlanta's computer network, costs taxpayers approximately **\$17 million**

This is why **Gartner identified privileged account management as the No. 1 security project for CISOs⁷** and controlling the use of administrative privileges is a **top 5 basic CIS control⁸**

To learn more, download the Gartner 2018 Magic Quadrant for Privileged Access Management⁹

www.cyberark.com/gartner-mq

[Download Report Now](#)

¹ CyberSheath, The Role of Privileged Accounts in High Profile Breaches, 2014

² Ponemon Institute, 2018 Cost of a Data Breach Study

³ Crowd Research Partners, 2018 Insider Threat Report

⁴ Cybersecurity Ventures, 2017 Official Annual Cybercrime Report

⁵ Cybersecurity Ventures, 2017 Official Annual Cybercrime Report

⁶ Verizon 2018 Data Breach Investigations Report

⁷ Gartner, Smarter with Gartner, Gartner Top 10 Security Projects for 2018, June 6, 2018

⁸ The Center for Internet Security (CIS)

⁹ Gartner, Magic Quadrant for Privileged Access Management, Felix Gaehgtgens, Dale Gardner, Justin Taylor, Abhyuday Data, Michael Kelley, 3 December 2018