

Check Point[®]
SOFTWARE TECHNOLOGIES LTD



ONE STEP > AHEAD

CLOUD SECURITY

2016 SURVEY

INTRODUCTION

Cloud investment continues to grow over 20% annually as organizations are looking to reduce IT cost, increase agility and better support business functions.

Security of critical data, applications and systems in the cloud remains a key barrier to faster adoption of cloud services. As more organizations embrace both private and public clouds, ransomware and lateral threats will become more prevalent as new attack vectors are introduced.

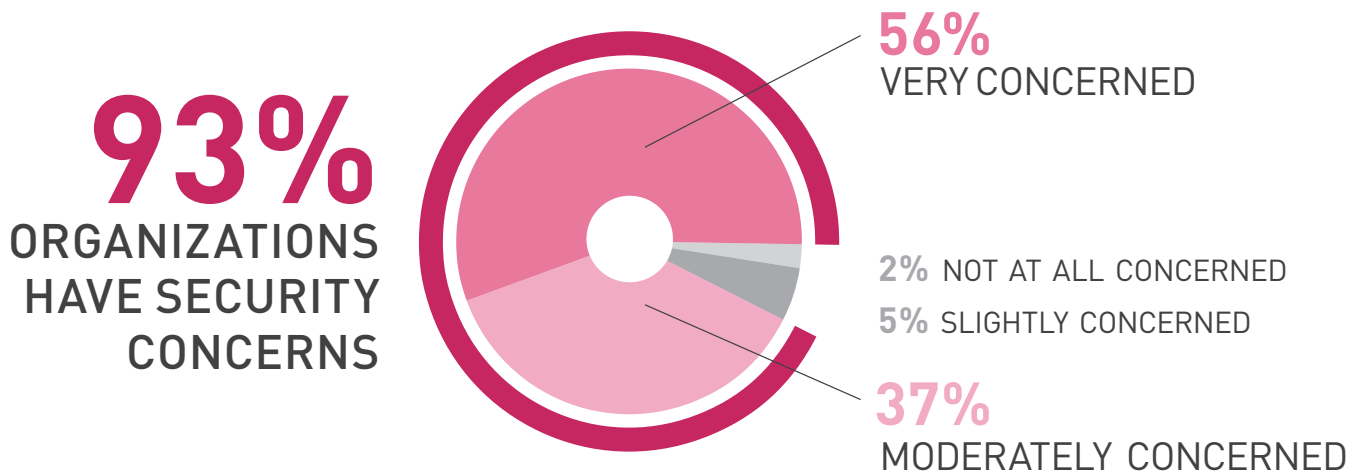
This report is based on a survey of over 200 cybersecurity and IT professionals conducted in November 2016 to reveal the concerns and risk factors of migrating to the cloud as well as the security controls and best practices cybersecurity leaders are considering in their move to the cloud.



Q1

As more and more data moves to the cloud, **HOW CONCERNED ARE YOU ABOUT YOUR ORGANIZATION'S SECURITY POSTURE?**

Cloud security concerns are on the rise. An overwhelming majority of 93% of organizations are very or moderately concerned about cloud security. Today, perceived security risks are the single biggest factor holding back faster adoption of cloud computing. The overwhelming benefits of cloud computing should drive organizations and security teams to find a way to “get cloud done”. This is a prime example to where security can have a profound impact on enabling business transformation.

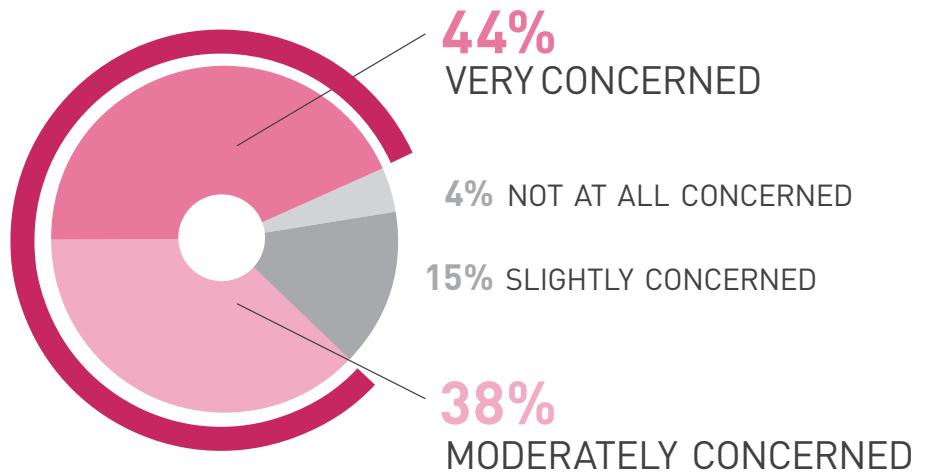


Q2

As it pertains to moving your company's data to the cloud, **HOW CONCERNED ARE YOU ABOUT A RANSOMWARE ATTACK HIJACKING YOUR CORPORATE DATA EVEN THOUGH IT RESIDES IN THE CLOUD?**

As ransomware attacks are making daily headlines, over 80 percent of cybersecurity professionals are very or moderately concerned about ransomware.

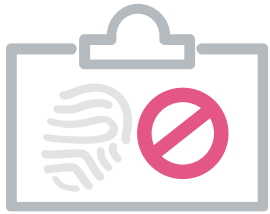
80%
CYBERSECURITY
PROFESSIONALS
HAVE CONCERNS



Q3

In addition to Ransomware, what else do you consider **THE BIGGEST CYBER THREATS TO CLOUD ENVIRONMENTS?**

In addition to ransomware, concerns about unauthorized access, data leakage and denial-of-service attacks top the list of cloud security threats.



67%

UNAUTHORIZED ACCESS



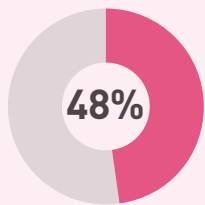
65%

DATA LEAKAGE / EXTERNAL SHARING OF DATA

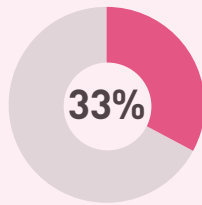


52%

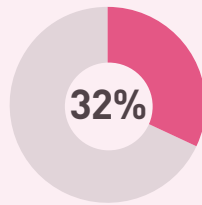
DENIAL OF SERVICE ATTACKS



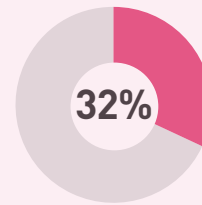
Insecure Interfaces / APIs



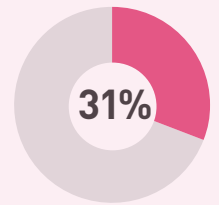
Posting confidential data by employees / malicious insiders



Foreign state sponsored cyber attacks



Abuse of cloud services



Malware injection

Share memory attacks 21% | Lateral movement of threats (east-west traffic) 17% | Other 6%

Q4

Which of the following security capabilities would most **INCREASE YOUR CONFIDENCE IN ADOPTING CLOUD ENVIRONMENTS?**

The biggest confidence builders include visibility into security events across cloud platforms, security controls that span from on-premise to the cloud, and consistent enforcement of security policies across cloud environments.



74%

VISIBILITY, REPORTING, AUDITING AND ALERTING ON SECURITY EVENTS ACROSS ALL CLOUD PLATFORMS



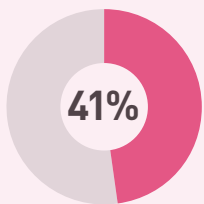
51%

EFFECTIVE MAPPING OF SECURITY CONTROLS FOR INTERNALLY-HOSTED APPLICATIONS TO THE CLOUD INFRASTRUCTURE

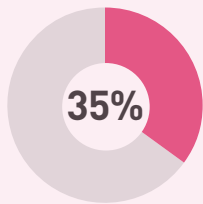


48%

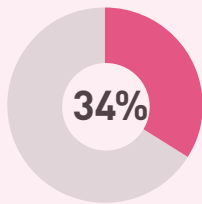
CONSISTENT SECURITY POLICIES AND ENFORCEMENT ACROSS CLOUD PLATFORMS



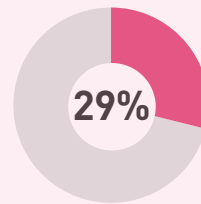
Adding 3rd party advanced security protections on top of native cloud security controls



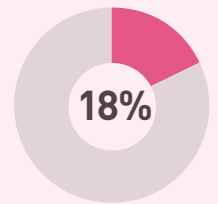
High-integrity infrastructure



Regulatory oversight



Micro-segmentation



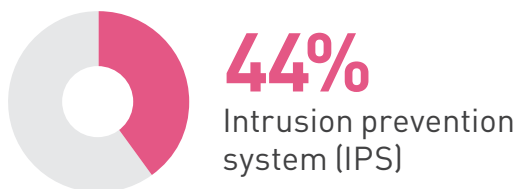
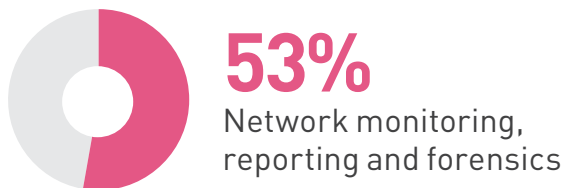
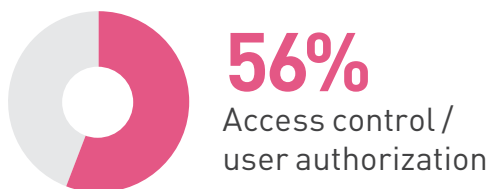
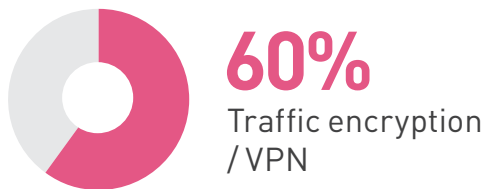
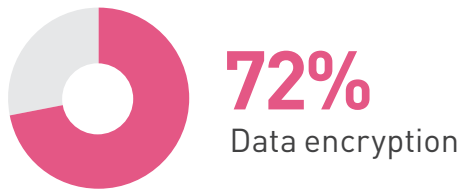
Protecting workloads

Other 5%

Q5

What security technologies and controls are the **TOP 5 MOST EFFECTIVE METHODS TO PROTECT DATA IN THE CLOUD?**

Security policies and capabilities are implemented through processes and technology. What security technologies most effective to protect data in the cloud? The survey reveals that cybersecurity professionals prioritize encryption of both data at rest and data in motion as well as access controls as the most effective technologies for protecting sensitive data in the cloud.



- Data leakage prevention **41%**
- Firewalls / NAC **38%**
- Endpoint security control **38%**
- Patch management **38%**
- Security information and event management (SIEM) **36%**
- Anti-virus / anti-malware **26%**
- Sandboxing **25%**
- Content filtering **20%**
- Other **7%**

To address cloud security concerns, Check Point vSEC protects assets in the cloud from the most sophisticated threats with dynamic scalability, intelligent provisioning and consistent control across physical and virtual networks, ensuring you can embrace the cloud with confidence.

Contact **Check Point** to learn how we can help you secure public and private clouds.



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