

2020 SECURITY TRENDS AND ENTERPRISE CHALLENGES

IN GLOBAL SURVEY CISOs EXPRESS DWINDLING CONFIDENCE IN PROTECTING ALL ATTACK VECTORS



“CISOs’ confidence in security goes down as the number of cyber attacks, assets to secure, and the number of vendors’ solutions used in their environments increases.”

Abstract

For many organizations, changing business requirements, digital transformation projects, and massive network traffic growth create security challenges. Security teams frequently struggle to meet the changes in their IT environments that come with these business initiatives, ultimately increasing the risk of cyber attacks. In this short paper, we discuss the security challenges facing many organizations and offer a modern approach to cyber security that can prevent attacks and reduce risk.

Introduction

As the world becomes more connected and networks continue to evolve, securing IT environments has become increasingly complex. The latest generation of sophisticated cyber attacks spread quickly across all vectors and industries, over mobile, cloud and networks, and frequently bypass conventional defenses. To combat these attacks businesses deploy multiple point solutions, many of which focus on detecting and mitigating threats rather than preventing them before they breach enterprise networks. This reactive approach to cyber attacks is costly and ineffective, complicating security operations, and creating gaps in the security posture of an enterprise.

To better understand the current climate Check Point commissioned [Dimensional Research](#) in April 2020 to [survey 400 global security leaders](#) to capture hard data on their attitudes about the state of cyber security in their organizations.

Enterprise challenges

- **Increased complexity.** 92% of the cybersecurity professionals polled said that growing IT complexity makes security more challenging. Attack surfaces have expanded as organizations adopt public cloud computing, SaaS applications, enabling mobility, and supporting remote work as a result of COVID19.
- **The threat landscape.** 91% of survey respondents said they see an increase in the sophistication of cyber attacks. [Check Point researchers](#) have also seen attackers use creative ransomware tactics and new types of cloud attacks.
- **There’s a global cybersecurity skills shortage.** Security teams today are frequently understaffed and overwhelmed trying to meet dynamic business needs while protecting their organizations against attacks. According to [Gartner](#), the current skills shortage will increase and it will become more difficult recruiting experienced security professionals.

- **Too many security solutions.** 99% of the companies surveyed use solutions from multiple security vendors and agree that managing them is challenging and makes securing their organization more complex. Most organizations don't upgrade their security systems fast enough and use aged solutions cannot defend against the current generation of attacks. Managing and integrating multiple solutions from different vendors takes time, resources, training, operation overhead, and increased budget – all things most security teams are in short supply of.

CISOs confidence in security declines

92% of survey respondents said that they are challenged securing all their organization's IT assets – data centers, public clouds, corporate email, mobile and IoT devices, endpoints, SaaS apps, and branch offices. Moreover, respondents indicated that they lacked confidence that their current approach was adequately protecting their organizations, particularly for mobile and IoT devices, branch offices, endpoints, SaaS apps, public clouds, email, and most surprisingly, data centers.

The key takeaway from the survey conducted by Dimensional Research is that CISOs' confidence in security goes down as the number of cyber attacks, assets to secure, and the number of vendors' solutions used in their environments increases.

What is needed?

Organizations need to adopt a holistic cyber security strategy that addresses today's cyber security challenges by eliminating complexities and inefficiencies, sealing security gaps, and protecting their organizations from both known and unknown threats.

A modern approach to today's security challenges includes:

- **A consolidated architecture:** By embracing a consolidated architecture that enhances security coordination and effectiveness, organizations will improve security and save budget used to integrate multiple, siloed solutions. A unified architecture will reduce operational overhead and more easily allow organizations to address many of the security challenges they face today.
- **Prevention technology:** Adopting an active threat prevention approach enables organizations to block attacks before they can cause damage to their systems. With the increase in the sophistication of attacks, volume, and speed, relying on detection-only technology and human remediation can be disastrous.
- **Automation and planning:** Security protections need to work at machine speed to stop malware that operates in milliseconds. Real-time automatic updates of all enforcement points is critical to protecting the sheer number of attack surfaces at most organizations. Automating processes creates efficiencies and improves security team effectiveness.
- **Visibility and control:** For security teams to react in real time to prevent cyberattacks and minimize the damage to their organization a single view of the entire environment is needed to improve visibility and control. A centrally managed security infrastructure eliminates visibility silos and helps improve defenses.
- **Agility and enablement:** In today's business environment waiting for a security team to secure a new app or cloud environment is not always acceptable. In many cases, dev-ops teams will release solutions without proper security rather than waiting. Security teams need to operate at the same speed and effectiveness as other parts of the organization and serve as a business enabler.

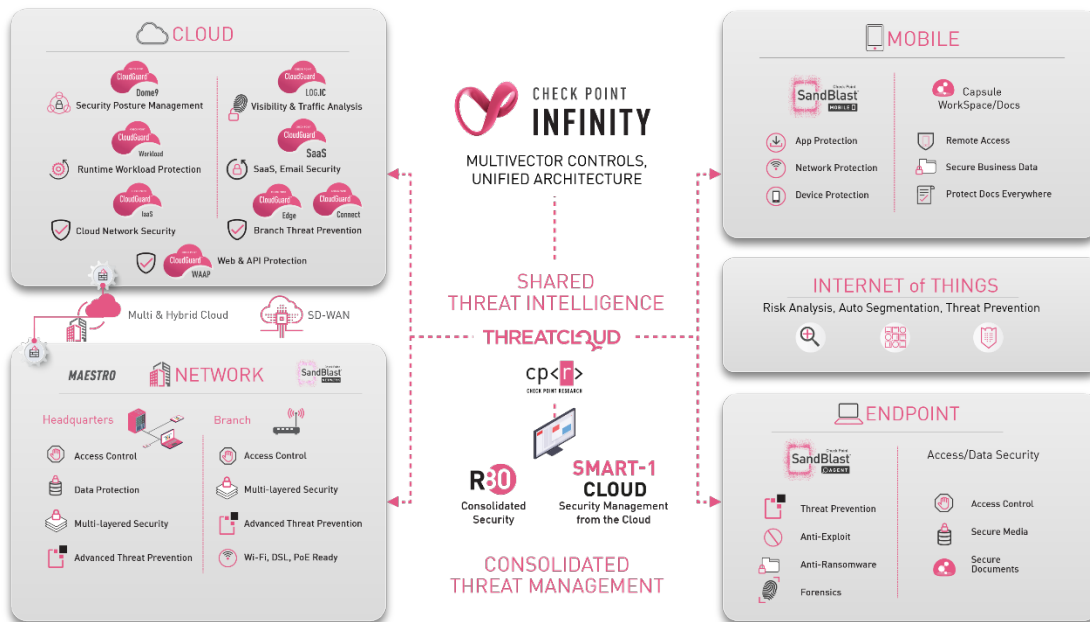
Check Point Infinity

Check Point Infinity provides organizations with a security strategy that delivers unprecedented protection against today's most sophisticated attacks.

Check Point Infinity is the first modern, consolidated cyber security architecture built to prevent today's most sophisticated attacks across networks, cloud, endpoints, mobile and IoT devices. It enables organizations to solve security gaps, reduce risk, and maximize total cost of ownership.

Powered by the world's largest threat intelligence network, Infinity automatically and instantly shares threat intelligence across all security environments and enforcement points. Centrally managed and offering a single view of an organization's entire threat posture, Infinity mitigates attacks in real time, efficiently and effectively.

Infinity architecture overview



Infinity's unified and centrally managed architecture secures networks, cloud instances, endpoints, mobile and IoT devices, leveraging the world's largest threat intelligence database.

Summary

Today's IT security has grown complex and unmanageable. With a new generation of cyberattacks spreading quickly across myriad attack vectors, a new approach to cyber security is needed that enhances business agility and protects all IT assets and the data stored within them.

It's time for organizations to move to a consolidated architecture that will improve their security posture, security operations, and control costs. Check Point Infinity combines the industry's broadest solution set with the most advanced threat prevention technologies available today. CISOs seeking to improve security, increase agility, and streamline operations should explore how Check Point Infinity can help them achieve these goals.

For more information point your browser to checkpoint.com/infinity.

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