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2021 Cyberthreat Defense Report

What cyberthreats most concern IT security professionals right now? What security technologies are their top priorities in 2021?

CyberEdge Group's survey of 1,200 IT security decision makers and practitioners around the world provides insights into the challenges they face and how they rate different technologies that protect applications and data.

Key Takeaways:

ATO and DDOS attacks are major concerns. Account takeover (ATO), denial of service (DOS), and web application attacks are among the most feared network-based attacks.

API protection and WAF are foundations of application and data security. A majority of organizations have deployed API gateway protection, web application firewall (WAF), and database firewall technology.

Unifying application and data security has many benefits. Respondents cited simplified security monitoring, improved customer support, simplified administration, and others.

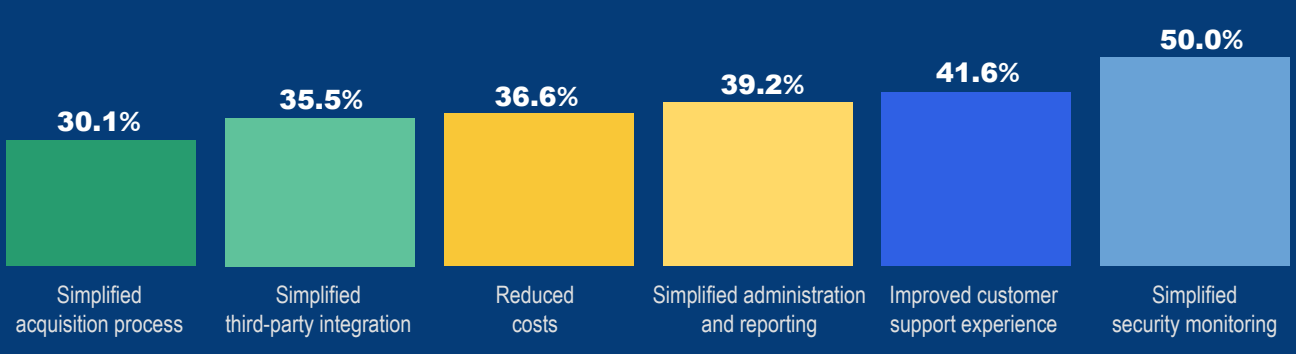
Bot management, RASP, and DAM are rising stars. Many IT security groups plan to implement bot management, runtime application self-protection (RASP), and database security in the coming year.

Network-Based Cyberthreats

IT security teams highlighted these network-based cyberthreats as among their greatest concerns.

Advantages of Unified Application and Data Security

Benefits achieved by unifying application and data security defenses (e.g., WAF, DDoS protection, RASP, API security, risk analytics, database security) in one platform.

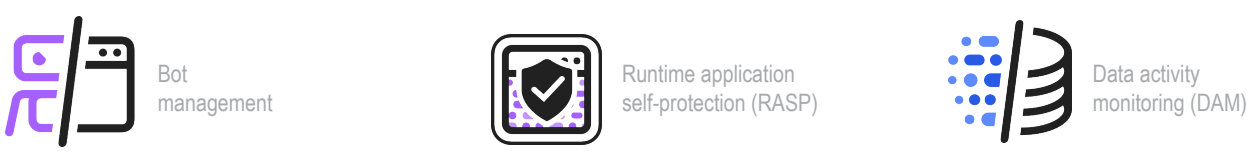


App & Data Security Foundations...

More than half of all organizations are currently using these technologies.

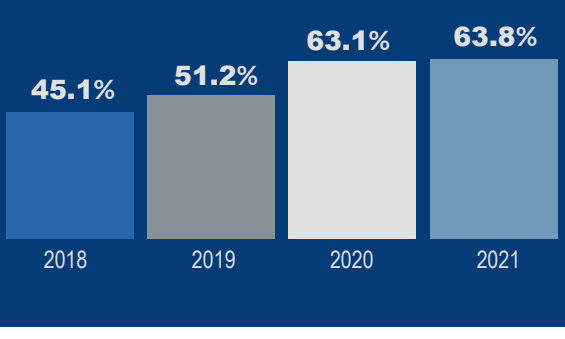
...And Rising Stars

Application and data security technologies frequently planned for acquisition this year.



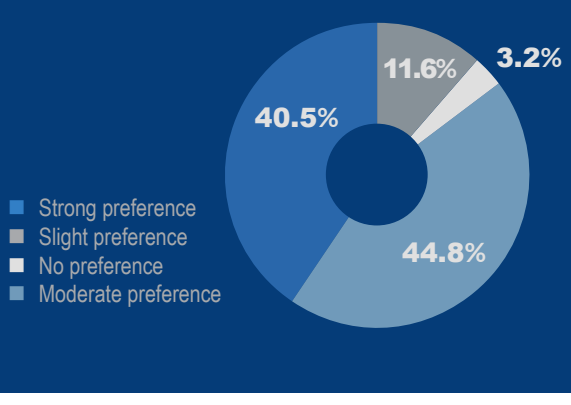
...API Protection Now a 'Must Have'

The percentage of organizations with API gateway / protection installed has soared



A Preference for AI Inside

Most organizations prefer security tools that utilize machine learning (ML) or artificial intelligence (AI).

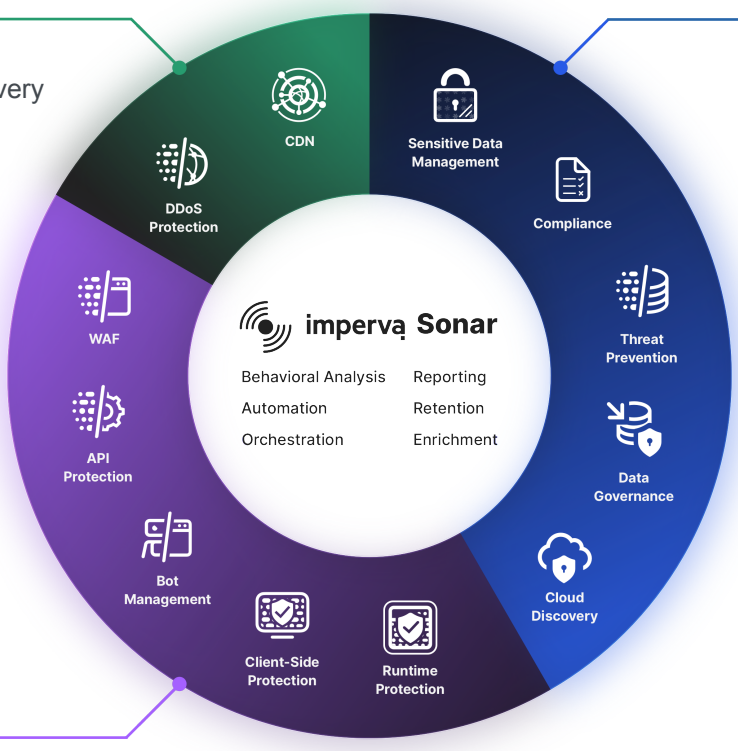


Secure Workloads Anywhere and Data Everywhere

Protect from edge and API to critical data.

Edge Security
Accelerate content delivery and guarantee uptime.

Data Security
Secure data wherever it lives.



Application Security
Continuously protect applications and APIs.

Download the full report at: www.imperva.com/cdr2021

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