

2025 Cyber Survey Infographic:

Application Security Overview

Application security is at a breaking point. Get an at-a-glance look at today's biggest concerns and protection gaps, including offensive AI, API threats, third-party risks and more.

Offensive AI Threats Growing Fast

81%

plan to deploy AI-based cybersecurity tools in the next 12 months

Only **8%** have done so



AI-powered threats evolve in real time, bypassing traditional protections.



■ Highly concerned ■ Extremely concerned

Applications and Business Logic Under Fire

95%

experience at least one type of application-layer attack every month or more frequently

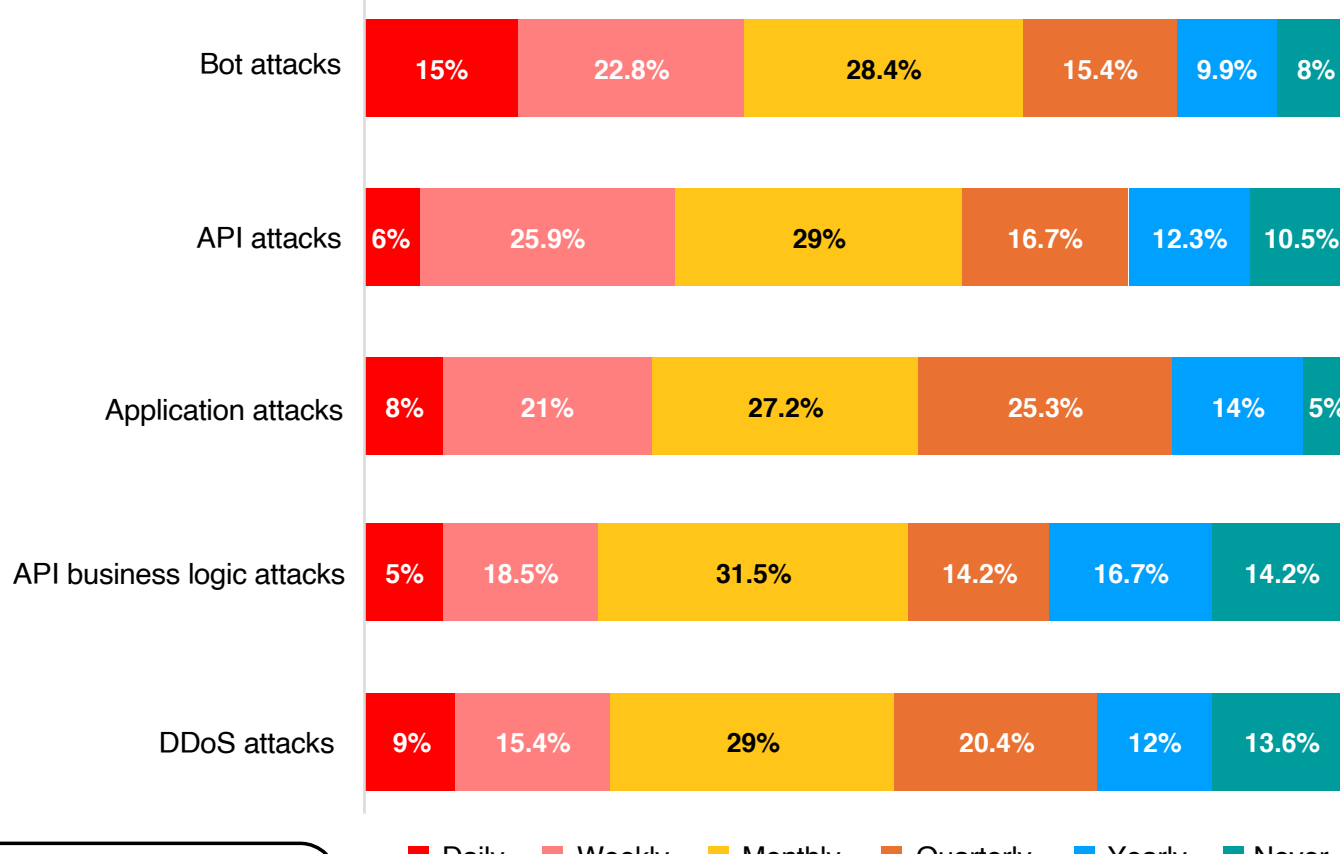
55%

experience API business logic attacks monthly or more

15% suffer bot attacks daily



Application-layer attacks are widespread, frequent, and increasing in volume. Threat actors are rapidly evolving tactics, including the use of AI, to exploit business logic and API vulnerabilities faster than organizations can respond.



■ Daily ■ Weekly ■ Monthly ■ Quarterly ■ Yearly ■ Never

API Usage Spikes While Control Slips

73%

update APIs at least weekly

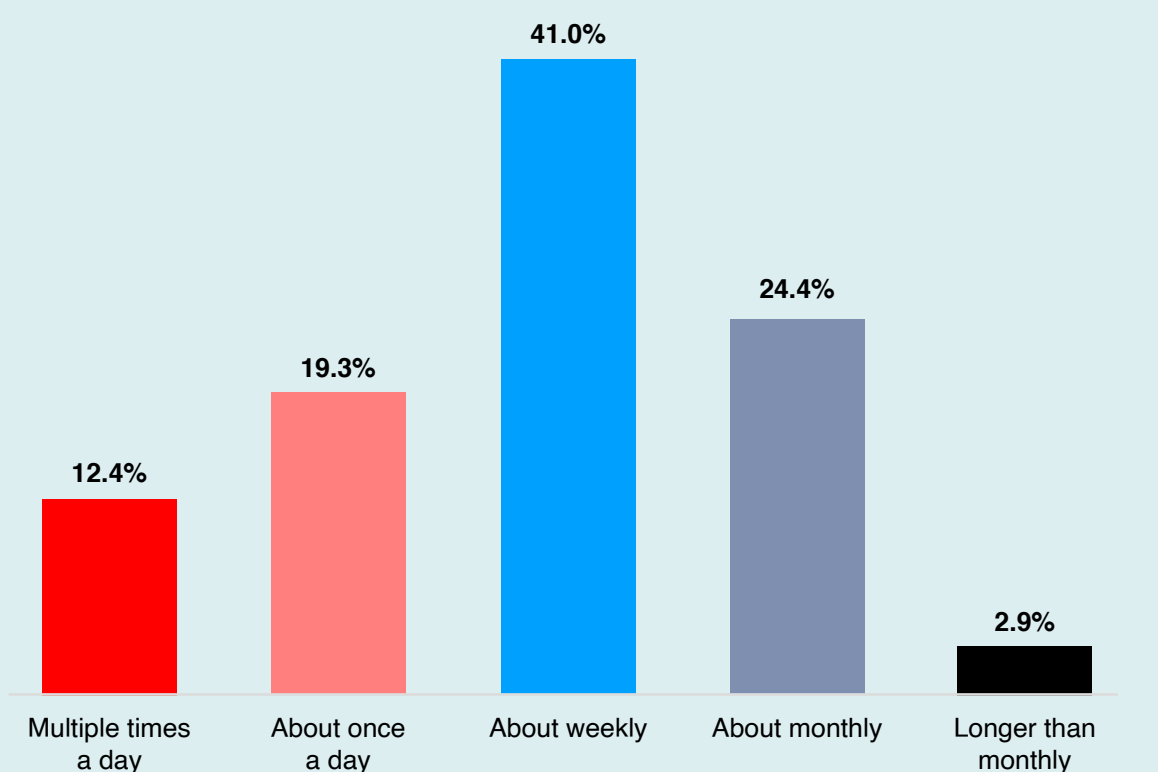
6x

Growth of daily updates since 2023

Only 6% have full API documentation



Frequent updates and poor documentation increase exposure.



Business Logic Attacks Outpace Readiness

86%

have experienced BLA in the past year

29%

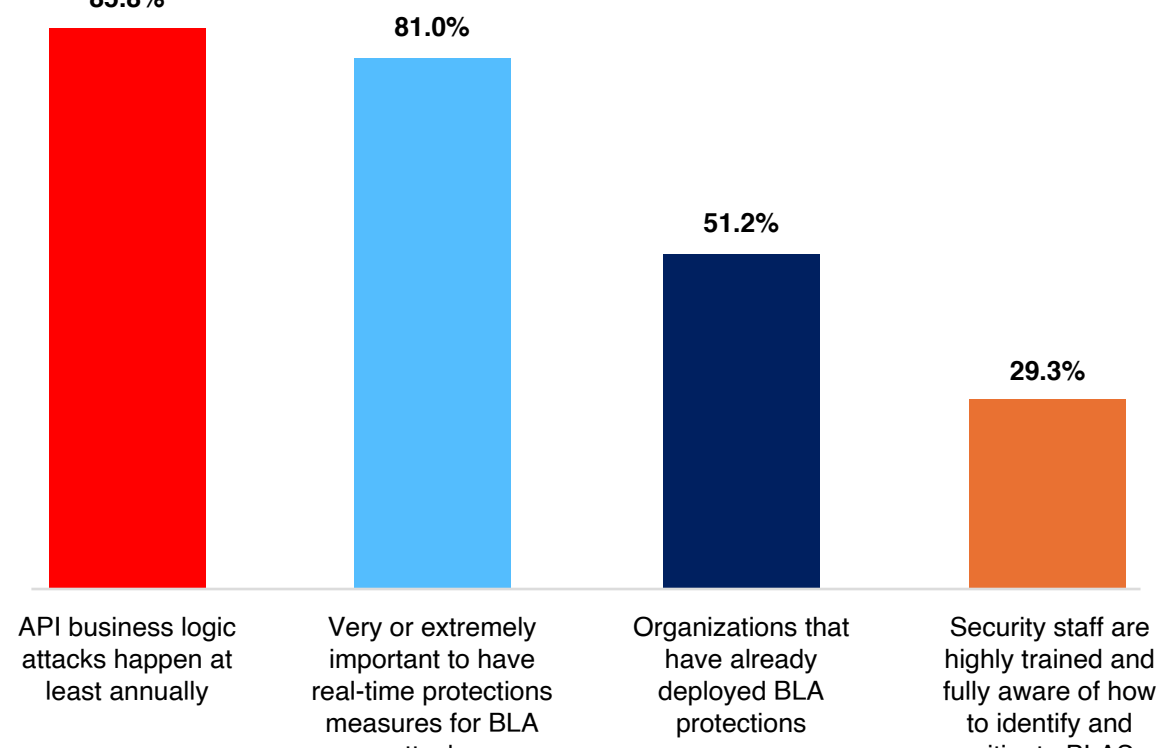
of teams are fully trained

81%

say real-time BLA protection is critical, but only **51.2%** have it



BLAs are being amplified by AI tools that automate exploit discovery.



Third-Party APIs Lack Control and Visibility

86%

use 11 or more third-party APIs per app

48%

lack visibility into over half their third-party code

16%

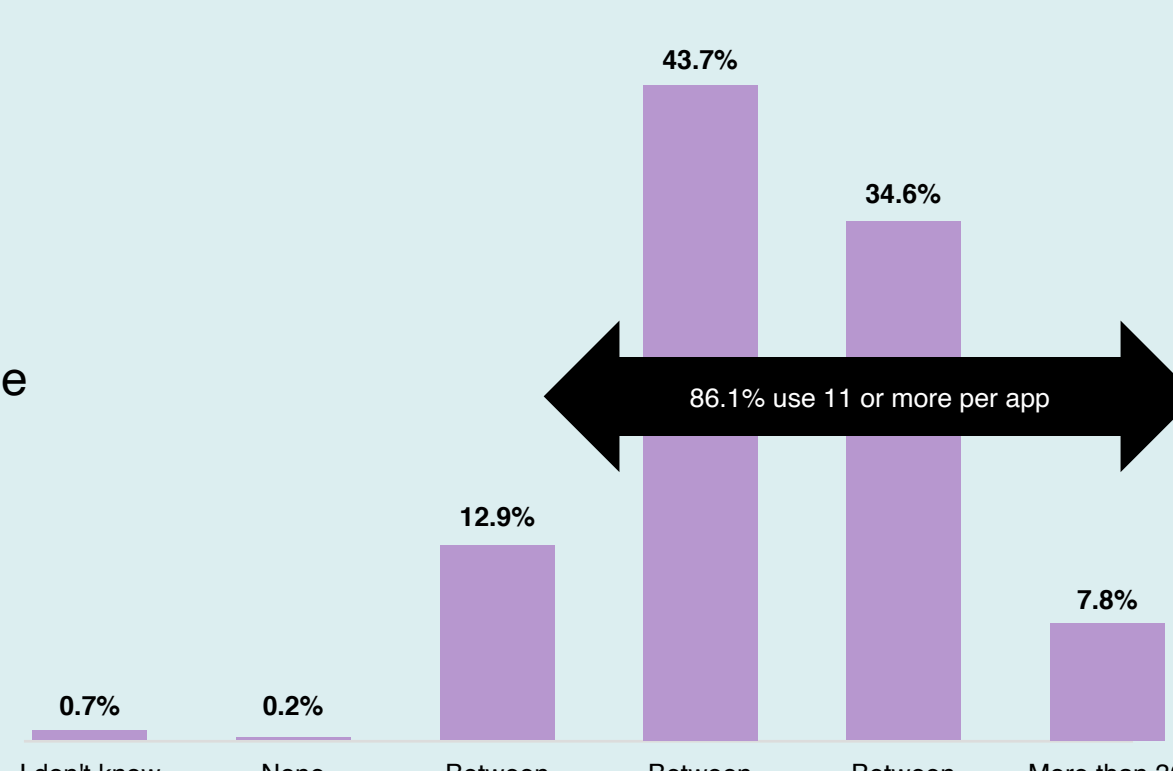
are fully confident in their breach protections

65%

are concerned about stolen payment data



Organizations are prioritizing speed and functionality over visibility and control.



86.1% use 11 or more per app

DDoS Disruption Costs Rise

69%

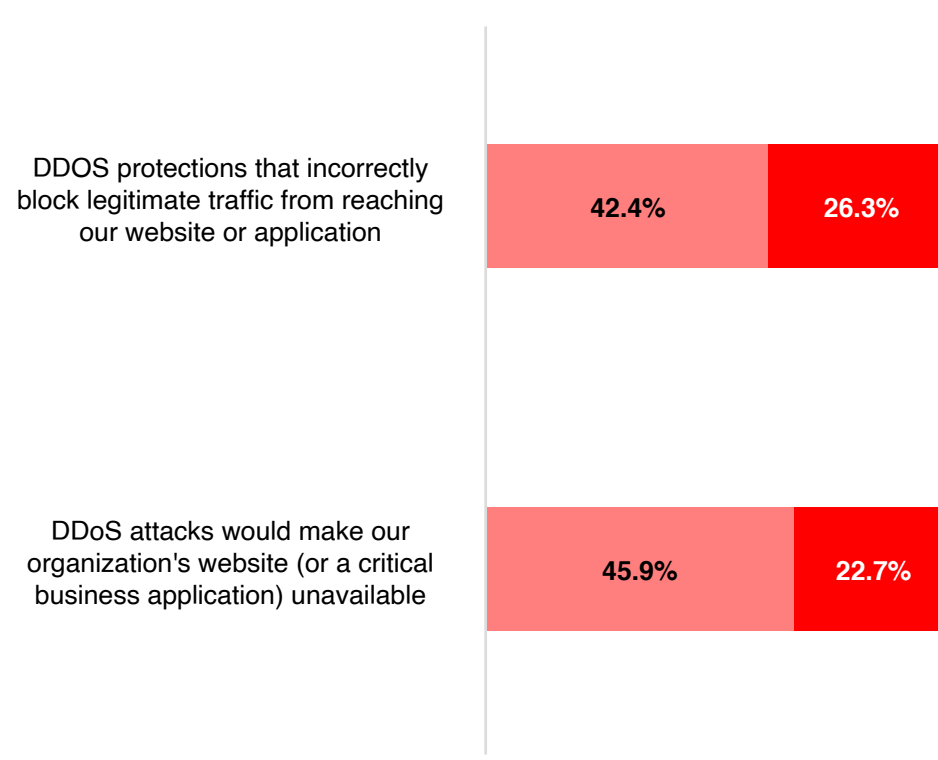
are highly concerned about DDoS-related downtime

\$6,106

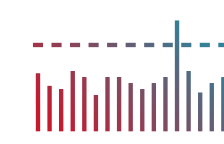
Average cost per minute of app downtime:

\$8,130

Highest impact per minute (healthcare)



■ Highly concerned ■ Extremely concerned



Application-layer DDoS attacks directly impact revenue, reputation and customer trust.

Cloud Sprawl and Compliance Cause Complexity

82%

use multiple public cloud providers

92%

of healthcare orgs use private cloud

91%

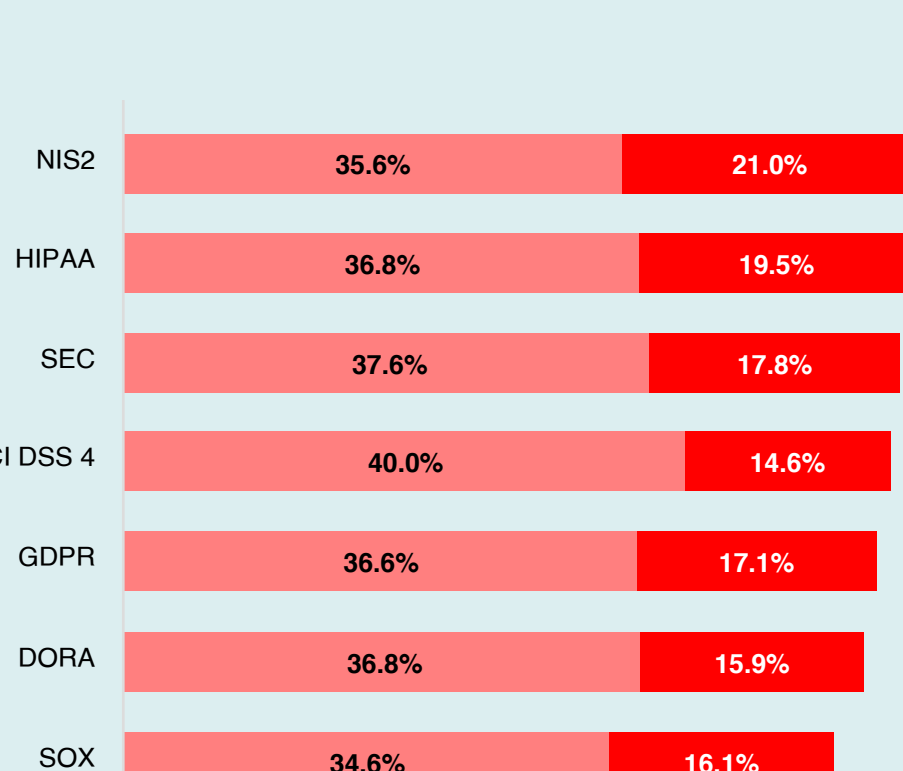
still rely on on-prem data centers

54%

express high concern about their regulatory posture



Most organizations are managing application security considerations across multiple clouds and multiple disparate environments.



■ Highly concerned ■ Extremely concerned

Learn more about Radware application protection. [Visit Radware.com](https://www.radware.com)

Get the full 2025 Cyber Survey:
Application Security at a Breaking Point.

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