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AppSec trends you can't ignore

AI, APIs, and open source have redrawn the attack surface. Breaches, bots, and new compliance rules are raising the stakes exponentially. Here is your at-a-glance guide to shifts, threats, and fixes.

1 AI: Copilots & criminals

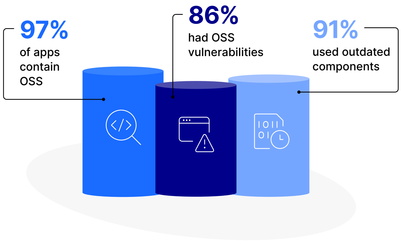
AI now powers both builders and breakers. Teams embed GenAI in apps while adversaries automate discovery and exploits in an arms race in your SDLC.

use GenAI in production

use AI/ML for threat detection

2 Supply chain reality check

Modern apps are built, not written. Open source is everywhere and often outdated, making SBOMs and rapid patching non-negotiable.



3 API tsunami

APIs outpace web pages and attacks follow the data. Auth gaps and logic flaws drive incidents while testing maturity lags.

95%
reported API issues

23%
had an API breach

API volume up
167% YoY

~7.5%
have mature API testing

4 Cloud, configurations & known flaws

Misconfigs, leaked secrets, and unpatched CVEs keep paying off for attackers. Speed is great until it ships risk.

26,447
vulnerabilities disclosed last year

~60%
of breaches tied to known, unpatched flaws

5 DevSecOps gets real (and consolidated)

Developers now drive tool choices and want speed, accuracy, and integration. Many organizations move from point tools to platforms to cut noise.

plan tool consolidation in 2025

Dive deeper:

Get the full State of Application Security Trend Report →

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