CONTRAST SECURITY

SOLUTION BRIEF

Contrast Application Detection and Response (ADR) and Application Vulnerability Monitoring (AVM)

Secure applications. Stop attacks.

Applications are mission-critical, driving innovation, customer engagement and revenue growth. However, the reliance on applications also makes them a prime target for threat actors. In fact, application and API attacks surged in 2024 by 49%.[1] Organizations must adopt a comprehensive and proactive approach to application security to protect their critical assets and maintain the trust of their customers.

Traditional security tools fall short. Too much of the testing happens pre-production, focusing on theoretical risks rather than actual threats in live environments. Point-in-time vulnerability scans be it production or pre-production, provide a limited snapshot of potential defects, leaving organizations with a false sense of security.

Furthermore, many security tools focus on perimeter security, neglecting the critical application layer where attacks increasingly originate. To effectively secure applications, organizations need a solution that can detect and respond to attacks in real time, provide deep visibility into vulnerabilities and reduce the overall attack surface.

Deploy once, safeguard continuously

Intregrated agent

The Contrast agent secures your applications from within by gathering security telemetry using a variety of security instrumentation techniques, including code scanning, library scanning, application instrumentation, configuration file scanning and other techniques.

Monitor and protect

Contrast continuously monitors applications and detects attacks that exploit vulnerabilities, including both known and zero-day exploits. These attacks are blocked in real time to prevent breaches and data loss. Alerts with detailed telemetry are then sent to the SOC to drive rapid incident response.

Shrinking the target

Minimizing the number of potential entry points for attackers is essential for reducing risk and strengthening security posture. Organizations need continuous visibility into the actual vulnerabilities that exist in their production applications and APIs, combined with the ability to detect and respond to real-time attacks.

Organizations need a solution that allows them to shrink their attack surface by identifying and prioritizing vulnerabilities that pose the greatest risk. This empowers teams to focus remediation efforts where they matter most. With real-time insight into production applications security teams can proactively reduce exposure by implementing compensating controls while developers work on permanent fixes.

This collaborative approach provides operations teams with the insights needed to prioritize and respond to threats effectively. Development teams receive actionable information to fix vulnerabilities quickly, leading to a significant reduction in vulnerabilities and stronger security posture against application-layer attacks.

Building a resilient application security strategy

Contrast Security combines the power of Application Detection and Response (ADR) with Application Vulnerability Monitoring (AVM) to address critical application security challenges.

Contrast ADR together with AVM, organizations can effectively reduce risk by providing continuous visibility into attacks and vulnerabilities in production environments.

Now, security teams can prioritize remediation efforts and respond to threats effectively with immediate insight into active attacks and the vulnerabilities involved. Importantly, vulnerability monitoring is not limited to known threats; both custom code and library vulnerabilities are covered.

Contrast ADR

Provides real-time attack detection and prevention by embedding security sensors directly into the application runtime environment. This deep integration enables ADR to identify malicious activity with unmatched accuracy and block exploits before they can cause damage.

- Detect application attacks in real time
- Protect the entire application layer against threats such as zero-day threats
- Respond efficiently with detailed insight reports

Contrast AVM

Delivers continuous visibility into the actual exposure created by vulnerabilities in running applications. AVM goes beyond static code analysis and theoretical assessments to pinpoint the weaknesses that pose the greatest risk in production environments. This allows security teams to prioritize remediation efforts based on real-world exploitability and threat data.

- Gain real-time risk prioritization for production code
- Strengthen security posture by adding attack vector context with vulnerability data
- Eliminate guesswork for faster response and reduced backlog

By combining real-time threat detection with proactive vulnerability management, organizations can effectively reduce their attack surface, accelerate incident response, and defend against the most sophisticated threats.

Learn more

[1] Akamai State of the Internet 2024

Contrast Security is the world's leader in Runtime Application Security, embedding code analysis and attack prevention directly into software. Contrast's patented security instrumentation enables powerful Application Security Testing and Application Detection and Response, allowing developers, AppSec teams and SecOps teams to better protect and defend their applications against the ever-evolving threat landscape.

contrastsecurity.com

6800 Koll Center Parkway
Ste 235
Pleasanton, CA 94566
Phone: 888.371.1333