SOLUTION BRIEF

Contrast Application Detection and Response (ADR)

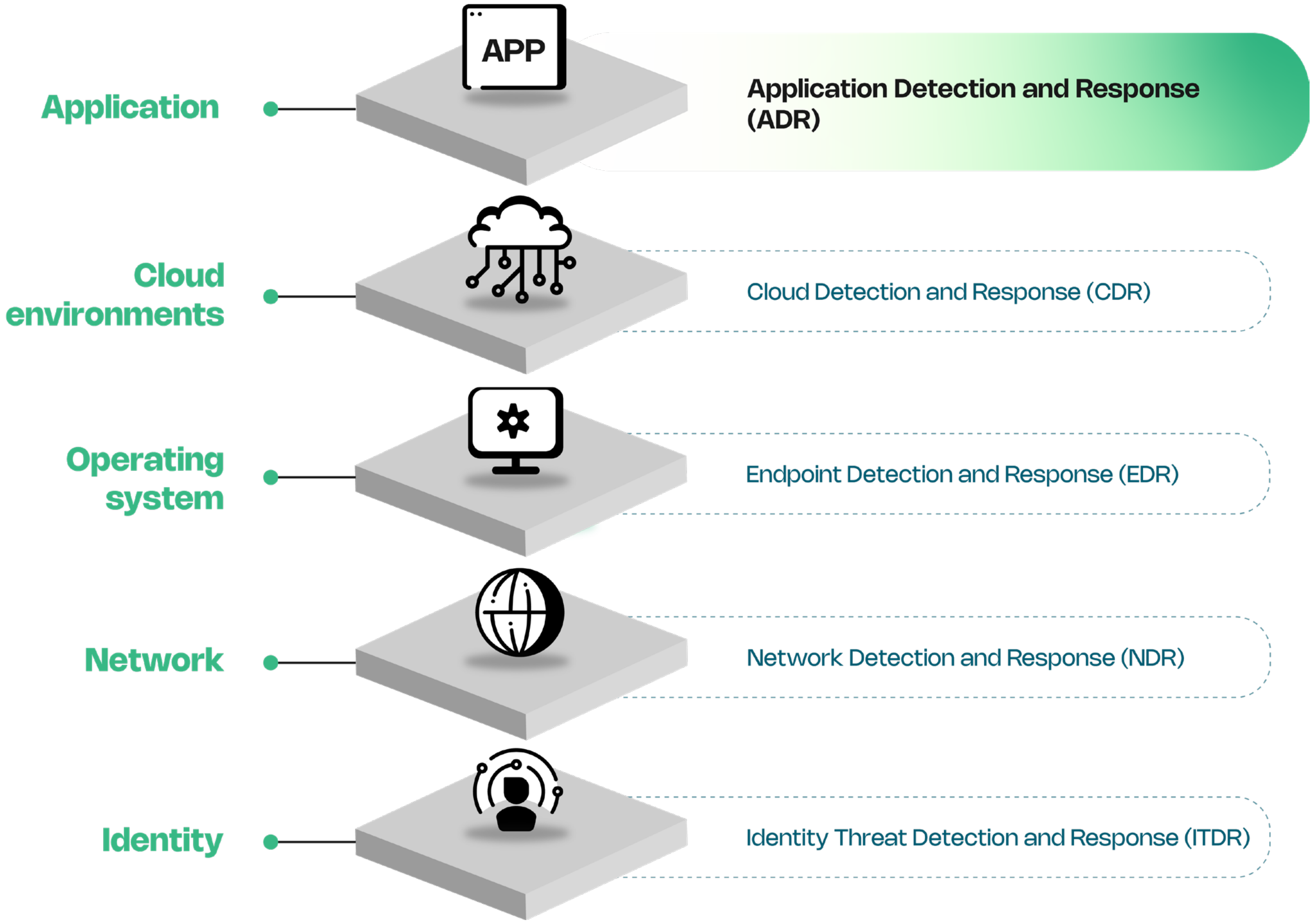
Continuous application visibility to monitor and protect in real time.

Zero-day exploits are on the rise, with a more than 50% growth in usage in 2024.[1] Despite expert precaution and best intentions, enterprises have an expanding AppSec vulnerability backlog that already averages hundreds of thousands of application and API vulnerabilities.[2]

As a result, web application and API breaches are in the top three attack vectors, and the web application threat vector is in the top two for ransomware installs.[3] Yet, the application layer remains woefully under-protected.

Organizations are confident in their endpoint and network defenses, but when it comes to applications they are flying blind. This leaves an organization at significant risk and unable to respond effectively. For comprehensive protection, Contrast Application Detection and Response (ADR) leverages instrumentation within the application to provide continuous visibility, enhancing security posture at the application layer.

Contrast ADR fills a critical gap in traditional detect-and-response strategies



Application — Application Detection and Response (ADR)

Cloud environments — Cloud Detection and Response (CDR)

Operating system — Endpoint Detection and Response (EDR)

Network — Network Detection and Response (NDR)

Identity — Identity Threat Detection and Response (ITDR)

Deploy once, safeguard continuously

Integrated agent

The Contrast agent secures your applications by mapping data flows, including code scanning, library scanning, application instrumentation, configuration file scanning and other techniques. This helps accurately identify exploits by analyzing code paths at runtime, whether in development or production environments.

Monitor and protect

Contrast ADR continuously monitors for anomalous behaviors that represent attempts to exploit known and zero-day vulnerabilities. Attacks on your production applications are detected and can be blocked in real time, and alerts are generated with supporting telemetry to drive fast and effective incident response.

Strengthen your SOC and incident response capabilities

When it comes to the application layer, traditional security defenses leave you in the dark. By operating from within the application, Contrast ADR sheds light on what's actually happening inside custom applications and APIs.

With Contrast ADR, your Security Operations Center (SOC) gets real-time visibility and actionable alerts, accelerating detection and response to anomalous activity. Contrast ADR can also block known and unknown vulnerabilities, including zero days, empowering organizations to stop application threats before they cause damage.

Finally, continuous vulnerability assessment and seamless integration with SOC tools provide context-rich information—giving your teams unparalleled visibility and accuracy to help you protect applications and APIs.

Additional Contrast ADR benefits:

- Reduce risk of successful attacks
- Lower total cost of ownership with fewer false positives
- Improve compliance posture with comprehensive protection and detailed logging
- Speed time to market by allowing teams to move faster
- Enhance visibility and inform smarter security strategy

As application attacks grow more complex, teams have less time to react. With Contrast ADR's persistent and accurate detection of true threats, your teams will adapt quickly and innovate without compromising security against zero-day vulnerabilities.

Learn more

[1] M-Trends 2024

[2] Ponemon Institute, The State of Vulnerability Management in DevSecOps, 2022

[3] Verizon 2025 Data Breach Investigations Report

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.

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