Contrast SECURITY

SOLUTION BRIEF

Quickly scale anomaly detection across applications hosted in your AWS environment

Gain real-time monitoring across development and production with Runtime Security.

aws PARTNER Premier Tier Services

Introducing Runtime Security

As financial services institutions continue to advance their digital transformations in the cloud, application and application programming interface (API) security teams must scale their efforts to continue guarding customer data. Amazon Web Services (AWS) provides core infrastructure that meets stringent security requirements around the world. Contrast Security's Runtime Security extends that robust security posture to the application layer. Offering real-time, behavioral anomaly detection from within applications and APIs, Runtime Security increases vulnerability detection and decreases remediation time. Working with AWS and Contrast helps you protect customer data and strengthen security across your cloud environment.

Benefits

- Gain real-time threat detection and mitigation.
- Reduce false positives with greater context than legacy tools provide.
- Protect against zero days and many other risks documented in the OWASP Top Ten and NIST Standards.
- Help accelerate development cycles by providing built-in mitigation for existing security flaws in the application code.
- Augment security benefits of AWS, such as distributed denial of service (DDoS) protection, data encryption, and out-of-the-box identity and access management (IAM) policies, providing a comprehensive security offering for live production workloads.
- Enhance security posture in support of the AWS Shared Responsibility Model.
- Integrate with existing tools, including Kubernetes, AWS Security Hub and Amazon Security Lake.

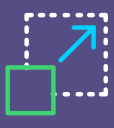
How it works

CONTINUOUS

Runtime Security observes the full application stack, monitoring workflows, code, and libraries to block attacks targeting zero days, custom code and third-party vulnerabilities.

ACCURATE

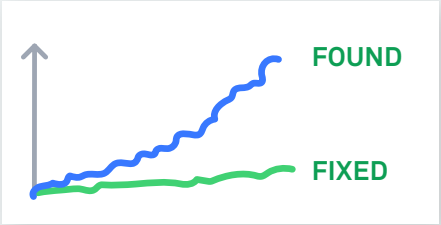
Embedded directly into applications via instrumentation, Runtime Security precisely monitors each connection, endpoint and interaction across the entire stack, providing accurate detection and mitigation of vulnerabilities in real time.



SCALABLE

With one platform, Runtime Security can deliver protection and insights for thousands of applications with a fully distributed infrastructure.

Results



- Reduce new vulnerability detection rate from 50+ per year to approximately 11.
- Reduce mean time to remediate (MTTR) from 275 days to three.
- Analyze code 10x faster than traditional tools, such as dynamic application security testing (DAST).

Turn right to shift left

Web applications remain the assets most affected by data breaches.[1] Meanwhile, the number of exploited zero-day vulnerabilities grew by 50% between 2022 and 2023.[2] To continue guarding customer data, teams need help accurately identifying real vulnerabilities in real time at the application and API layer.

While monitoring code for vulnerabilities, the Runtime Security platform automatically creates and updates a blueprint depicting the following in detail: a) attack paths to exposed endpoints; b) security mechanisms/controls at work; c) dangerous behavior that occurs on routes and the ability to stop its execution; and d) context on back-end connections. This can help speed remediation by giving teams more detailed guidance on how to isolate, triage and understand vulnerabilities. It also reduces the number of tools or expert hours required to manage application and API security at scale, optimizing costs and resources.

Augment your security strategy with continuous, accurate and scalable application and API security powered by Contrast Security and AWS.

Learn more

1 Verizon 2023 Data Breach Investigations Report.
2 Google, "A Year in Review of Zero-Days Exploited In-the-Wild in 2023," March 2024.

About Contrast Security

Contrast Security is the world's leading provider of security technology that enables software applications to protect themselves against cyberattacks, heralding the new era of self-protecting software. Contrast's patented deep-security instrumentation is the breakthrough technology that enables highly accurate assessment and always-on protection of an entire application portfolio, without disruptive scanning or expensive security experts. Only Contrast has sensors that work actively inside applications to uncover vulnerabilities, prevent data breaches and secure the entire enterprise from development, to operations, to production.

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