



## Datadog Expands Observability and Security Support for AWS Serverless Workloads

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*New functionality helps AWS Lambda and Step Functions users leverage services instrumented with OpenTelemetry, troubleshoot issues faster, and detect security threats and vulnerabilities*

LAS VEGAS, Nov. 27, 2023 /PRNewswire/ -- [Datadog](#), Inc. (NASDAQ: DDOG), the monitoring and security platform for cloud applications, today announced expanded security and observability support for AWS serverless applications built on AWS Lambda and Step Functions services. The functionality announced today at AWS re:Invent helps AWS Lambda and Step Functions users detect security threats, get a high-level overview of how their state machine is performing at a single point in time and monitor services instrumented with OpenTelemetry.



Serverless applications eliminate the need to provision and manage infrastructure components, including servers, databases, queues and containers, so teams can focus on writing code while minimizing their operational overhead. These applications also come with unique challenges as they need to be monitored and secured in different ways than traditional applications. Datadog already provides out-of-the-box observability for AWS serverless applications and today expanded these capabilities to include:

- **[Support for W3C Trace Context Propagation Across All Lambda Runtimes](#)**: Teams can now view complete distributed traces across upstream and downstream services that have been instrumented by various OpenTelemetry-compatible instrumentation libraries. This provides teams with improved visibility into their serverless applications so they can efficiently troubleshoot any issues.
- **[AWS Lambda OpenTelemetry API Compatibility Custom Instrumentation](#)**: Developers can now use vendor-neutral code instrumentation to submit custom OpenTelemetry spans from Lambda applications to Datadog in Node.JS and Python runtimes, allowing them to adhere to open source standards.
- **[Threat Detection for Serverless Applications Deployed on AWS Lambda Functions](#)**: The new support enables both DevOps and security engineers to detect and protect against attacks targeting their applications running on AWS Lambda functions.
- **[Open Source Vulnerability Detection for AWS Lambda Functions](#)**: Available in public beta, this capability provides engineers with real-time, continuous vulnerability detection in third-party libraries that are being run in their AWS Lambda applications.
- **[AWS Step Function Execution Visualization on State Machine Maps](#)**: To make troubleshooting issues within AWS Step Functions easier, developers can see the exact path of a Step Function execution, drill into anomalous executions and identify problematic states with ease.

"Datadog helps us detect attacks against our serverless applications and triggers an automated response to block those attempts as they happen," said Micha Katz, CISO at Yellow Card. "Application Security Management was simple to enable and further configure to meet our needs. It provides an informative, well-organized UI, where we can drill into attack details, trigger additional actions using predefined workflows, and gain important insights that help us calibrate and optimize our detection rules. Additionally, with vulnerability detection and contextualized severity ratings, we can better prioritize our remediation efforts within our service layers."

"Securing serverless applications can be a unique challenge because they are highly distributed and comprise several ephemeral, stateless components," said Vikram Varakantam, Senior Director of Product Management at Datadog. "By providing full visibility into serverless applications on AWS Lambda, Datadog Application Security Management's threat detection capability helps DevOps and security teams understand and prioritize the risks and attacks associated with their serverless applications so that they can work to resolve and mitigate any potential breach."

These features are available today. If you are attending re:Invent in Las Vegas November 28-30, learn more at booth #732.

## **About Datadog**

Datadog is the observability and security platform for cloud applications. Our SaaS platform integrates and automates infrastructure monitoring, application performance monitoring, log management, real-user monitoring, and many other capabilities to provide unified, real-time observability and security for our customers' entire technology stack. Datadog is used by organizations of all sizes and across a wide range of industries to enable digital transformation and cloud migration, drive collaboration among development, operations, security and business teams, accelerate time to market for applications, reduce time to problem resolution, secure applications and infrastructure, understand user behavior, and track key business metrics.

## **Forward-Looking Statements**

This press release may include certain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended including statements on the benefits of new products and features. These forward-looking statements reflect our current views about our plans, intentions, expectations, strategies and prospects, which are based on the information currently available to us and on assumptions we have made. Actual results may differ materially from those described in the forward-looking statements and are subject to a variety of assumptions, uncertainties, risks and factors that are beyond our control, including those risks detailed under the caption "Risk Factors" and elsewhere in our Securities and Exchange Commission filings and reports, including the Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on May 5, 2023, as well as future filings and reports by us. Except as required by law, we undertake no duty or obligation to update any forward-looking statements contained in this release as a result of new information, future events, changes in expectations or otherwise.

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