Datadog Enhances Monitoring for Serverless Applications in AWS

November 19, 2018

Datadog adds tracing and troubleshooting capabilities for AWS Lambda functions to its hybrid cloud monitoring platform

NEW YORK--(BUSINESS WIRE)--Datadog, the leading monitoring and analytics platform for modern cloud environments, today announced comprehensive end-to-end monitoring for AWS Lambda functions. This capability is made possible by the release of a new integration with AWS X-Ray, which traces serverless calls while they run on AWS-operated infrastructure. Traces from AWS X-Ray, as well as metrics and logs data from Lambda functions, are available in a new serverless-centric user interface called Datadog Cloud Functions. Both of these new features are available for public beta.

While serverless functions can simplify development and scaling in certain areas of an application, they have also introduced significant complexity in performance monitoring. AWS Lambda runs on AWS-operated infrastructure where traditional instrumentation methods cannot be deployed. Without insight into this infrastructure, DevOps teams face blind spots where performance issues can occur for applications that rely on AWS Lambda.

AWS X-Ray offers end-to-end views of requests as they travel through an application. Datadog's new X-Ray integration is able to specifically trace AWS Lambda functions as they execute. These Lambda traces are then combined with log and metric data from Datadog's hybrid cloud monitoring platform, spanning many other services, application components, and infrastructure areas. This data is made available in the new Cloud Functions UI, where customers can drill down into a single Lambda function and unearth bottlenecks and errors from individual requests.

"Serverless applications are rapidly becoming an important part of our customers' environments, with significant growth in adoption since AWS Lambda was released," said Daniel Langer, Product Manager at Datadog. "We are expanding our capabilities to enable customers to successfully monitor and troubleshoot serverless applications in Datadog, beginning with Cloud Functions."

"While our SRE team uses Lambda functions for their easy scalability, we were reluctant to endorse them for company-wide production because of the lack of robust monitoring," said Eugene Dvorkin, Technical Architect at Lifion by ADP. "With Datadog's new serverless monitoring capabilities, we are now confident using AWS Lambda functions in production."

"The Arc Publishing Platform relies on serverless architectures to scale quickly and cost-effectively, but we struggled to find monitoring solutions that compare to our other cloud architectures," said Zach Perry, Director of Platform Engineering at The Washington Post. "Datadog's new serverless monitoring capabilities allow us to reliably monitor all of our cloud architectures in AWS."

The Cloud Functions page will be demonstrated at Datadog's booths, #402 and #208 in The Venetian and #207 in The Aria, at AWS re:Invent in Las Vegas from Monday, November 26th to Thursday, November 29th. In addition to AWS Lambda functions, Datadog also supports Google Cloud Functions and Azure Functions. For more information, and to start a free 14-day trial, please visit: http://dtdg.co/Start-Free-Trial.

Analyst Quote:

According to Gartner, "CIOs and application leaders are under pressure to deliver software more quickly by building scalable platforms, architectures and processes that put delivery back into the hands of the developers. Unlike the past, when developers had limited influence over infrastructure and operations (I&O), there has been a renaissance in terms of new techniques (e.g., DevOps) and technologies (e.g., OS containers and serverless platforms) that are bridging the gap between the development and I&O organizations, as well as empowering developers in their infrastructure choices."

Source: Gartner, China Summary Translation: 'Evolution of Server Computing: VMs to Containers to Serverless — Which to Use When?', 27 April 2018 - ID G00354765

Blog Post: www.datadoghq.com/blog/datadog-for-serverless

About Datadog

Datadog is a monitoring service for hybrid cloud applications, assisting organizations in improving agility, increasing efficiency, and providing end-to-end visibility across the application and organization. These capabilities are provided on a SaaS-based data analytics platform that enables Dev, Ops and other teams to accelerate go-to-market efforts, ensure application uptime, and successfully complete digital transformation initiatives. Since launching in 2010, Datadog has been adopted by more than 9,000 enterprises including companies like Activision, AT&T, Deloitte, Peloton, Samsung, Seamless, The Washington Post, T-Mobile, Turner Broadcasting, and Whole Foods.

Contacts

For Datadog
Martin Bergman
press@datadoghq.com