

End to end observability and cost monitoring for serverless applications on AWS

Gain rapid insight into serverless application performance, allowing you to remediate bottlenecks in real-time.



Epsagon is an AWS Partner Network (APN) Advanced Technology Partner and AWS DevOps Competency holder.

Industry trends & challenges

As more and more organizations are shifting to serverless applications, the need for updated monitoring tools is growing. Organizations are finding that their legacy tools don't provide the comprehensive visibility they require anymore. This, combined with highly-distributed systems that spread business workflows and data across multiple managed services and APIs, makes it difficult to monitor and understand how the applications interact with each other and their environment.

The Epsagon solution

Epsagon is a serverless monitoring tool that monitors the entire application, beyond just the functions, to give organizations the ability to bridge the visibility and cost gaps across their serverless architectures. Because many modern applications are highly distributed with business workflows and data spread across multiple managed services and APIs, measuring performance and cost at the server level is often not enough. With the use of distributed tracing and artificial intelligence technologies, Epsagon provides organizations with the ability to gain deeper insights into application performance and rapidly remediate bottlenecks.

Benefits

With an easy-to-use interface, Epsagon provides comprehensive visibility into serverless applications. By leveraging Epsagon within your Amazon Web Services (AWS) Lambda functions, your organization will realize benefits such as:



End-to-end observability

Gain deep cost and performance insights



No manual instrumentation

Leverage automatic instrumentation, with no manual code changes and develop a visual representation of your application



Application awareness

Monitor all aspects of the application status and health, not just the functions



Real-time error notifications

Gain deep insights and anomaly detection to rapidly remediate bottlenecks and reduce infrastructure

Solution Space

Discover scalable and secure solutions that will empower you to achieve your business needs with Amazon Web Services (AWS) and AWS Partner Network (APN) Partners that have attained AWS Competency designations. Customer ready solutions are based on architectures validated by AWS, include a combination of AWS services and APN Partner technologies, can be deployed quickly with solution accelerators like AWS Quick Starts, and feature optional consulting offerings provided by APN Partners, to accelerate your cloud transformation.

[Click here to get started with this Solution Space offering](#)

Solution overview



Key use cases

- Comprehensive performance monitoring of AWS Lambda applications
- Observability into AWS Lambda applications
- Cost monitoring and analysis of serverless applications
- Extensive monitoring on the impact of APIs

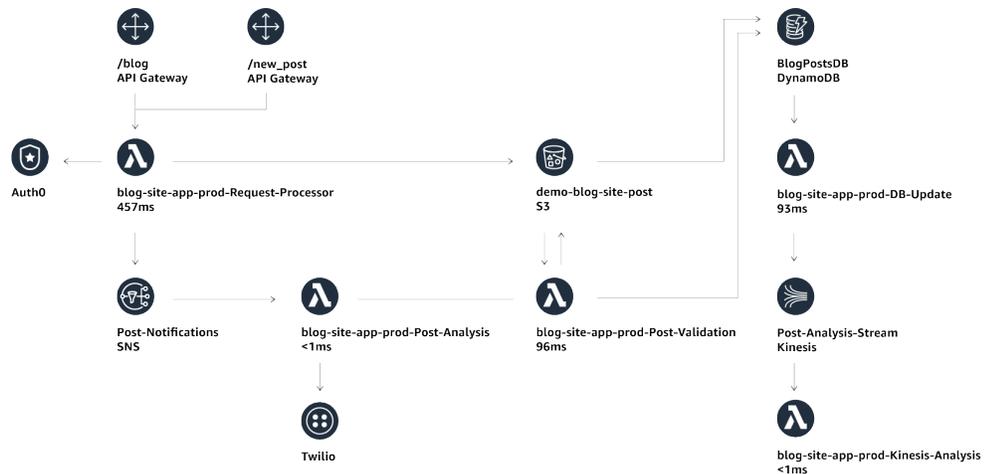


Epsagon on AWS

Epsagon enhances product integration with a multitude of AWS services including AWS Lambda and Amazon CloudWatch, along with other management services, programming languages, and API-level integrations. Epsagon heavily relies on AWS Lambda functions and leverages them to provide automatic monitoring of performance and costs, while reducing the time-to-resolution with real-time resolution capabilities.

How it works

Epsagon uses distributed tracing and AI technologies to monitor serverless applications and provide immediate insights that help reduce bottlenecks and infrastructure costs. When you include Epsagon in your AWS Lambda functions, it will automatically build out a visual representation of your applications and update as changes to the applications occur. With an easy-to-use interface, you can simply click on an error and they will be circled on the diagram for you, helping you understand where it started and how it is impacting the rest of the application.



Getting started

Include the Epsagon library in your AWS Lambda functions to get started with comprehensive, end-to-end visibility into your serverless applications.

[Getting started with Epsagon's solution](#)
[Epsagon's offering on Solution Space](#)



About AWS: For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 100 services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 49 Availability Zones (AZs) across 18 geographic regions in the United States, Canada, Europe, Asia, Australia and South America. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

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