REPORT REPRINT

TriggerMesh and AWS EventBridge integration connects on-premises or SaaS apps with AWS cloud infrastructure

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The company's integration with AWS EventBridge enables on-premises applications to trigger Amazon Lambda functions or tie to AWS such as SQS, Kinesis and SNS. TriggerMesh believes the advent of event-driven serverless environments, where applications comprise services from multiple clouds, is going to require a broker, and it wants to be that broker.

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Introduction

TriggerMesh says newly introduced integration between its Kubernetes and Knative-based TriggerMesh Cloud Native Integration Platform and AWS EventBridge enables users to connect existing on-premises applications or non-AWS SaaS offerings with cloud infrastructure from Amazon Web Services using Amazon EventBridge. For example, it enables on-premises applications to trigger Amazon Lambda functions or tie to Amazon Web Services such as SQS, Kinesis and SNS.

451 TAKE

Serverless adoption is growing rapidly and is a core component of many digital transformation projects in the enterprise. Regardless of whether it is some, most or all compute that goes serverless, it's going to be a big opportunity (see figure below) and as the market develops, there will be a growing need for integration of serverless with both Kubernetes-based and legacy applications. TriggerMesh is focused on the problem of integrating event streams across all cloud-native and legacy infrastructure, which it sees as the gaping hole in serverless. Currently, services are mostly hard-wired to specific serverless environments. TriggerMesh believes the advent of event-driven serverless environments, where applications comprise services from multiple clouds, is going to require a broker of some kind, and it wants to be that broker.

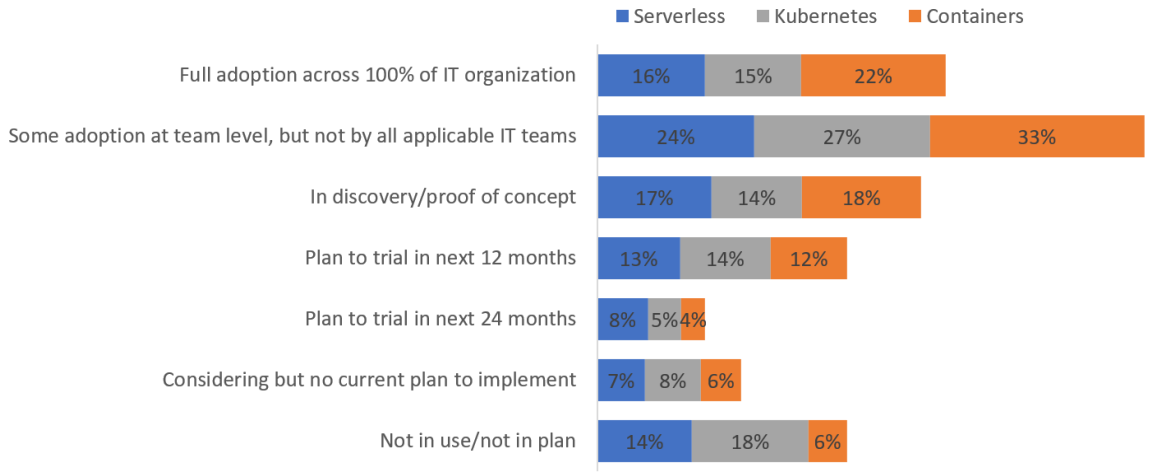
Details

Amazon EventBridge is a serverless event bus that ingests data from a customer's applications, SaaS apps (such as Datadog or MongoDB) and AWS services, and routes that data to targets. However, EventBridge targets only AWS events, such as functions in Lambda, queues on Simple Queue Service or logs in CloudWatch, TriggerMesh says. Now that TriggerMesh has completed integrations with EventBridge, any event source that TriggerMesh supports can be forwarded to EventBridge – and target any AWS service that EventBridge supports. TriggerMesh already supports a large set of event sources that can be used in AWS EventBridge, including GitHub, GitLab, Google Storage, Azure Storage, Splunk, Zendesk, Twilio, OracleDB and Kubernetes.

However, using the new AWS EventBridge integration in TriggerMesh, customers can create application flows (which it calls Bridges) generated from on-premises, SaaS or other cloud infrastructure – for example GitLab to AWS Lambda – which can be stored as templates. Where they do not already exist, TriggerMesh creates new sources in the AWS EventBridge partner portal that can be accessed as a partner event source in the AWS console and associated with an event bus. Rules created in EventBridge dictate where events are routed, enabling users to build serverless applications from these. TriggerMesh believes its approach is more flexible than AWS's own PutEvents API, which enables multiple events to be sent to EventBridge in a single request. TriggerMesh Cloud Native Integration Platform is also offered as a cloud offering – TriggerMesh Cloud.

TriggerMesh enables customers to target all kinds of cloud-native services (not only AWS), including Azure Functions, Google Cloud Functions and OpenShift Serverless as well as Rancher, OpenShift Container Engine, Google Kubernetes Engine and/or Amazon EKS. TriggerMesh sees itself as a modern integration PaaS (iPaaS) in the way that Dell Boomi and MuleSoft have been for on-premises enterprise applications.

Adoption Status for Selected Cloud-Native Technologies



Source: 451 Research's Voice of the Enterprise: Cloud, Hosting & Managed Services, Organizational Dynamics 2020