Adopting Serverless with AWS and TIBCO

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What is serverless?
Serverless means...

- No servers to provision or manage
- Scales with usage
- Never pay for idle
- Availability and fault-tolerance built in
Serverless applications

Event Source → Function

AWS Lambda™ → Services (Anything)
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Project Flogo®
Ultralight Edge Microservices Framework

10-50x lighter than Java, .NET or Node.js
Visually model & test flows as functions
Event-driven design with 1st-class support for AWS Lambda
100% Open Source with zero lock-in
Build smarter with Edge Machine Learning
Monoliths to microservices?
Splitting monoliths 5 years ago
Microservices to functions

Standard building brick services provide standardized platform capabilities
Microservices to functions

Standard building brick services provide standardized platform capabilities

Amazon API Gateway

Amazon SQS

Amazon DynamoDB

Amazon S3

Amazon Kinesis

Amazon SNS
FaaS versus event-driven compute?
Use cases for serverless?
Common serverless use cases

- Web applications
  - Static websites
  - Complex web apps
  - Package for Flask and Express

- Backends
  - Apps and services
  - Mobile
  - IoT

- Data processing
  - Real-time
  - MapReduce
  - Batch

- Chatbots
  - Powering chatbot logic

- Amazon Alexa
  - Powering voice-enabled apps
  - Alexa Skills Kit

- IT automation
  - Policy engines
  - Extending AWS services
  - Infrastructure management
Rethink cloud economics

Flogo® on AWS Lambda

10¢ for 1.5M Requests

Note: Uses public pricing available for AWS Lambda on https://aws.amazon.com/lambda/pricing/ and based on all kinds of Flogo functions that run within the minimum 128MB memory and 100 ms billing duration. Estimated paid pricing based on public pricing from AWS Lambda.
Questions?
Try Flogo + Lambda: bit.ly/flogolambda
Thank you!