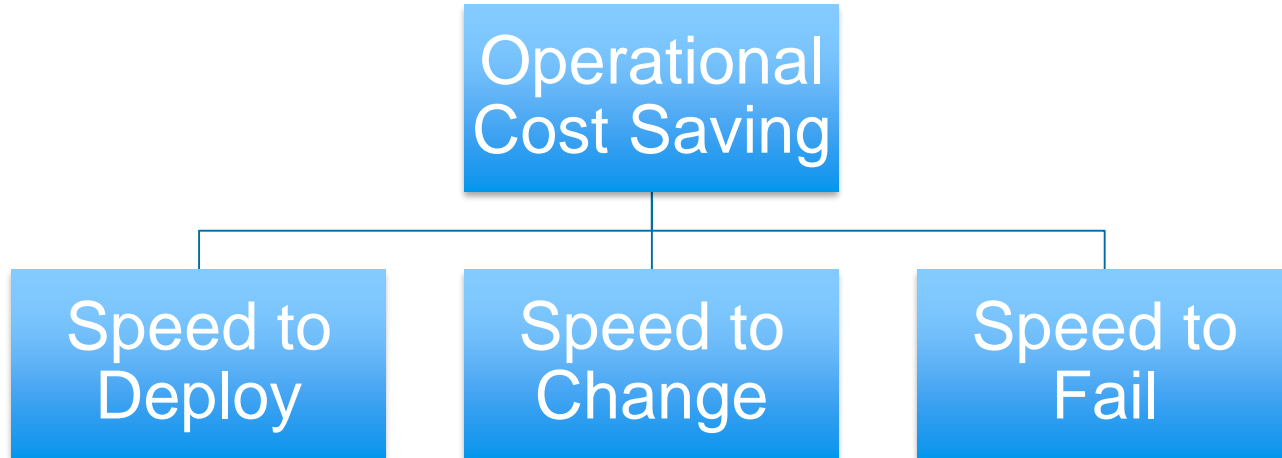


CLOUD WITH
CONFIDENCE[®]

Mid-Day Keynote | How Serverless Computing Changes Cloud, and Your Job

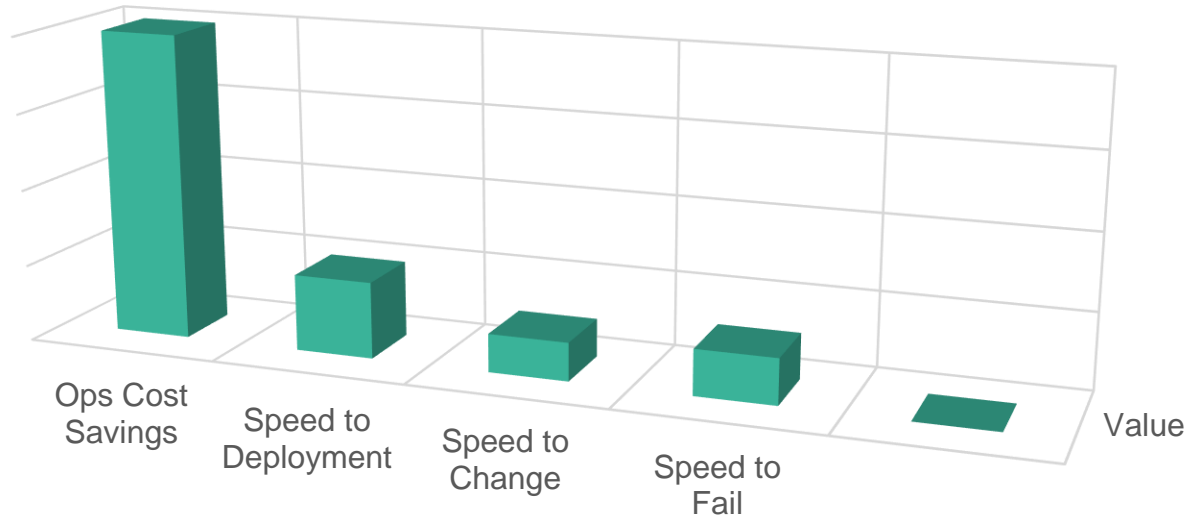
David S. Linthicum

What we thought we knew...



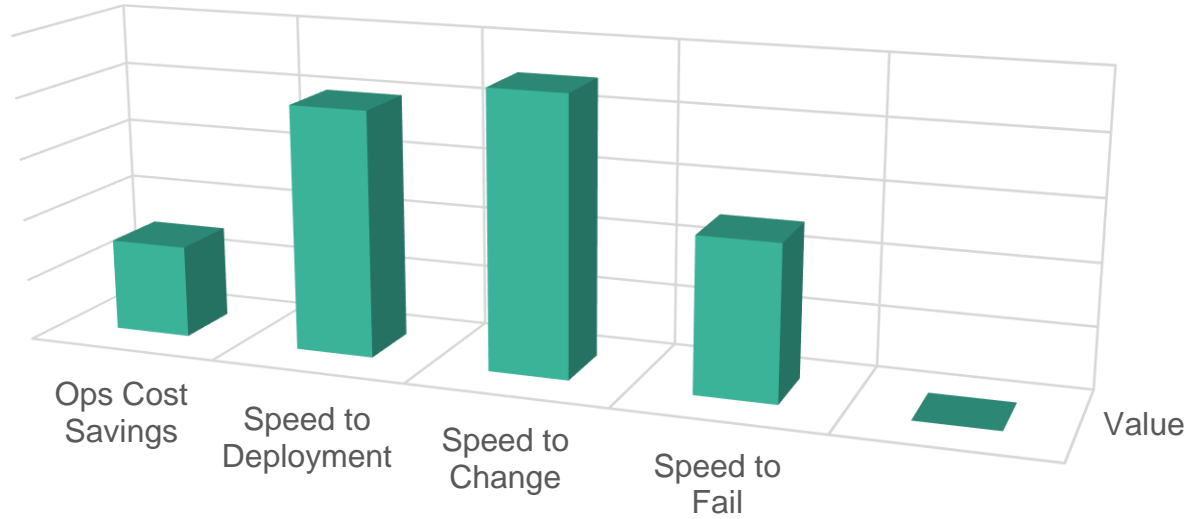
Perceived Value

■ Value



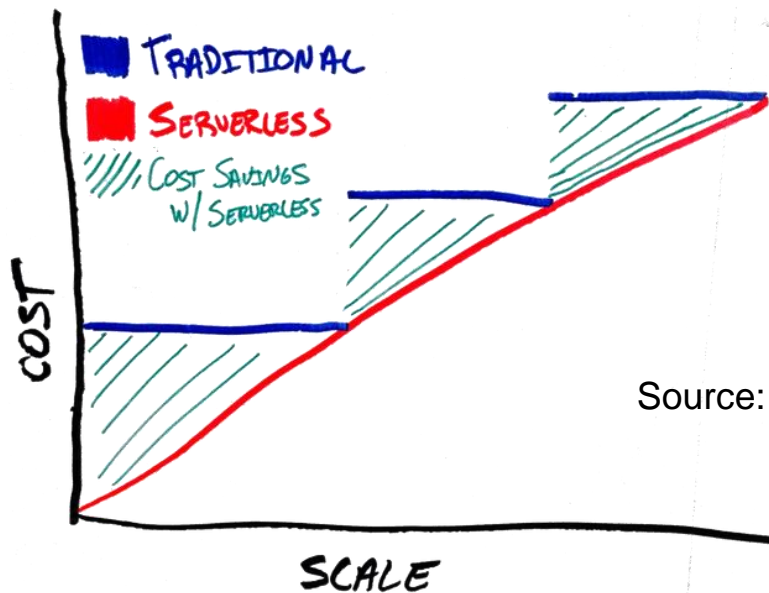
True Value

■ Value



What do we care?

No longer are we needing to think about server resources when building or deploying applications.



Source: CodeProject

Benefits of Serverless Computing

No servers to manage

No longer are we dealing with the notion of having to provision some type of server for most operations on cloud-based platforms.

Benefits of Serverless Computing

Continuous scaling

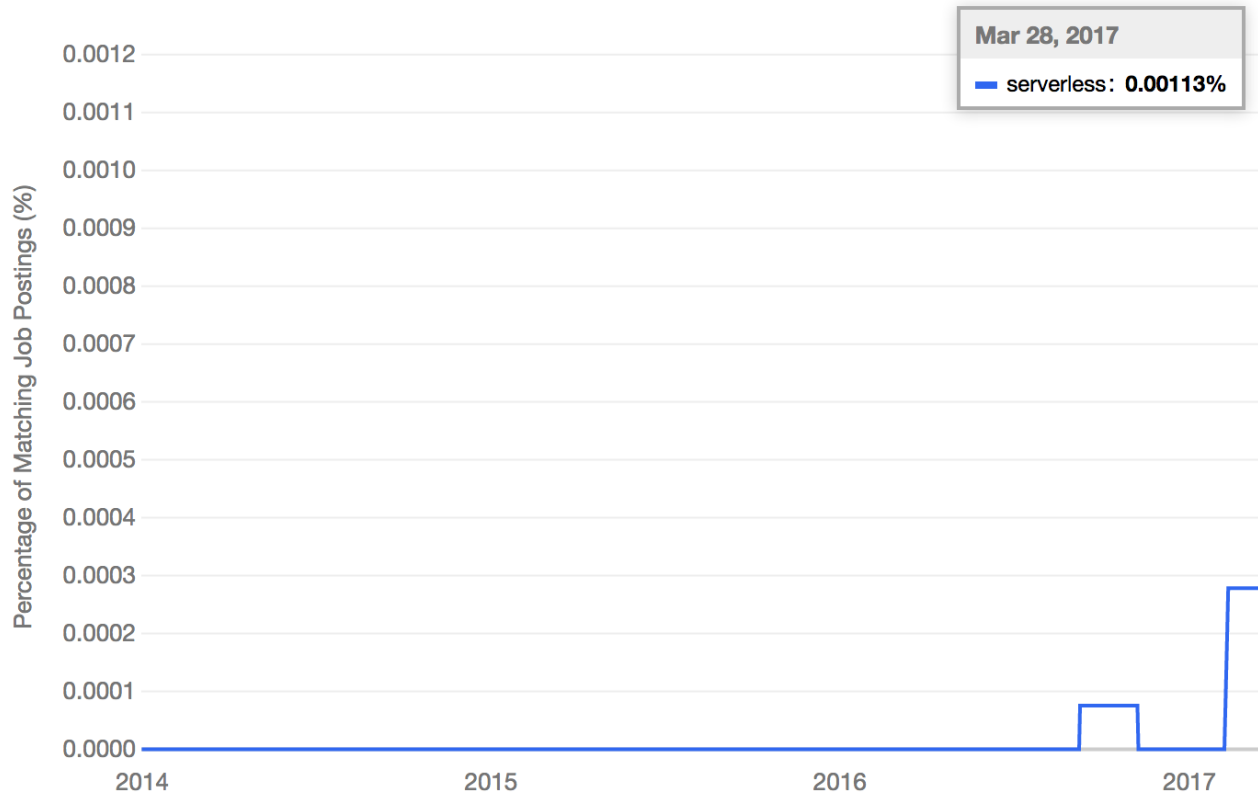
Thus, we don't have to think about how many servers to allocate, or the over-allocation of servers which are costly..

Benefits of Serverless Computing

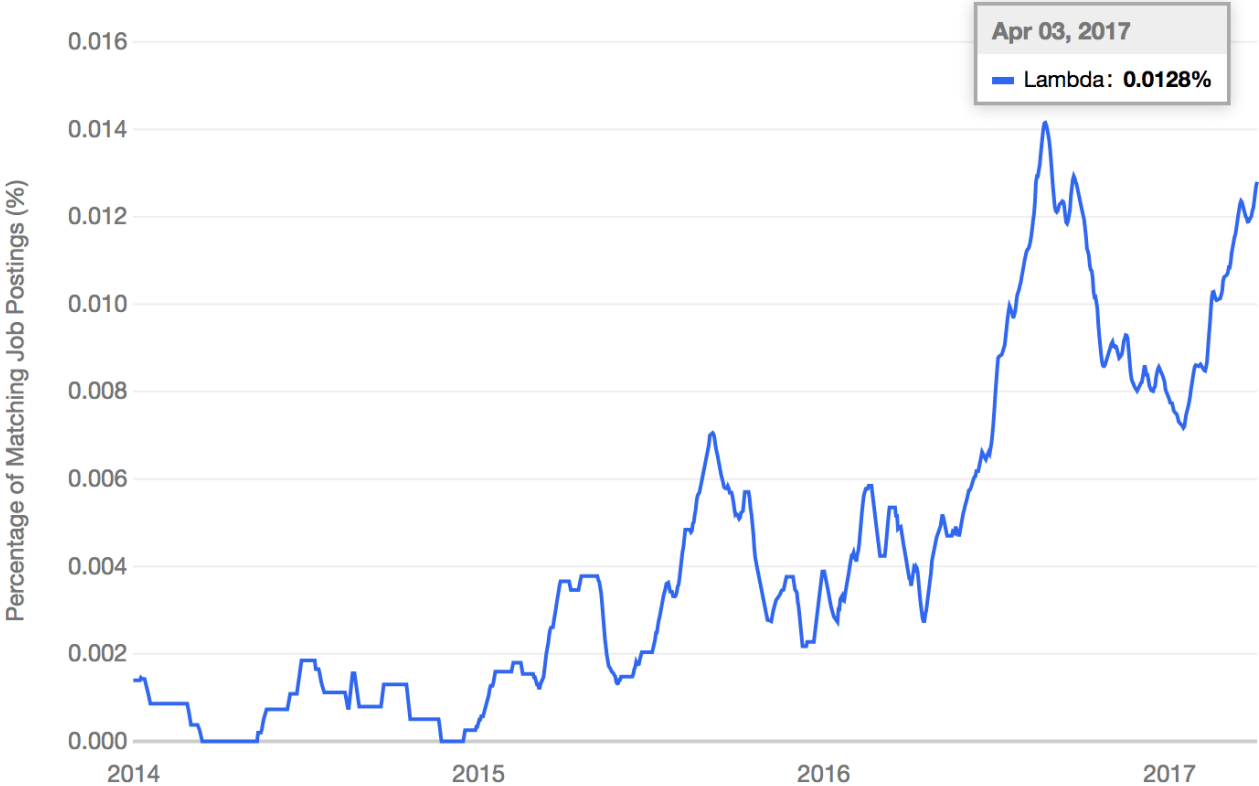
**Never pay
for idle**

No longer are we paying for resources we don't also, serverless is better aligned with usage than server-oriented approaches.

Job Postings



Job Postings



Fits for Serverless Computing?

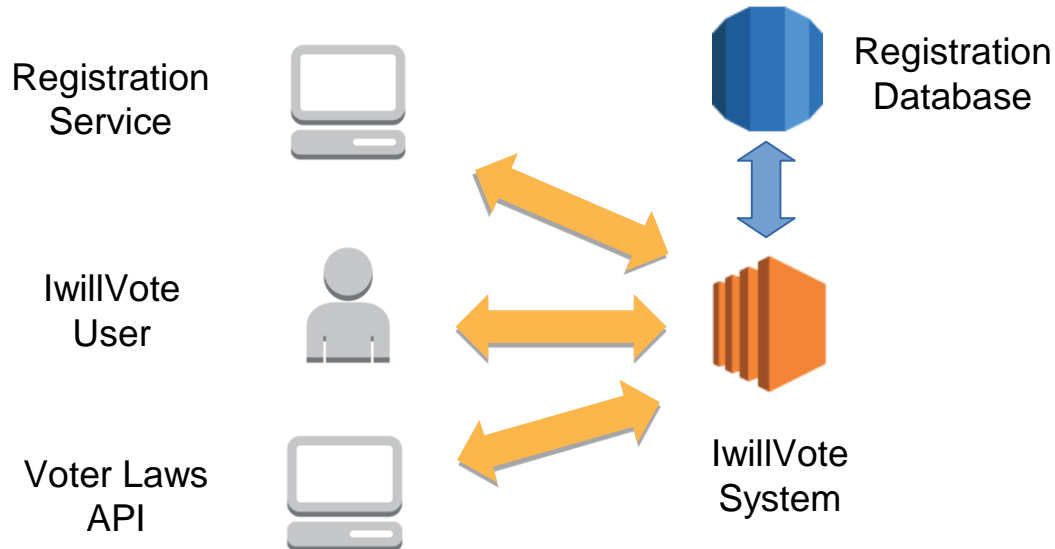
Fit	Not a Fit
Net New	Legacy
Value on Scaling	No Value on Scaling
Service Oriented	Traditional

Voter Registration

As is:

Old system – monolithic, server intensive

Difficult to update, maintain, add feature requests

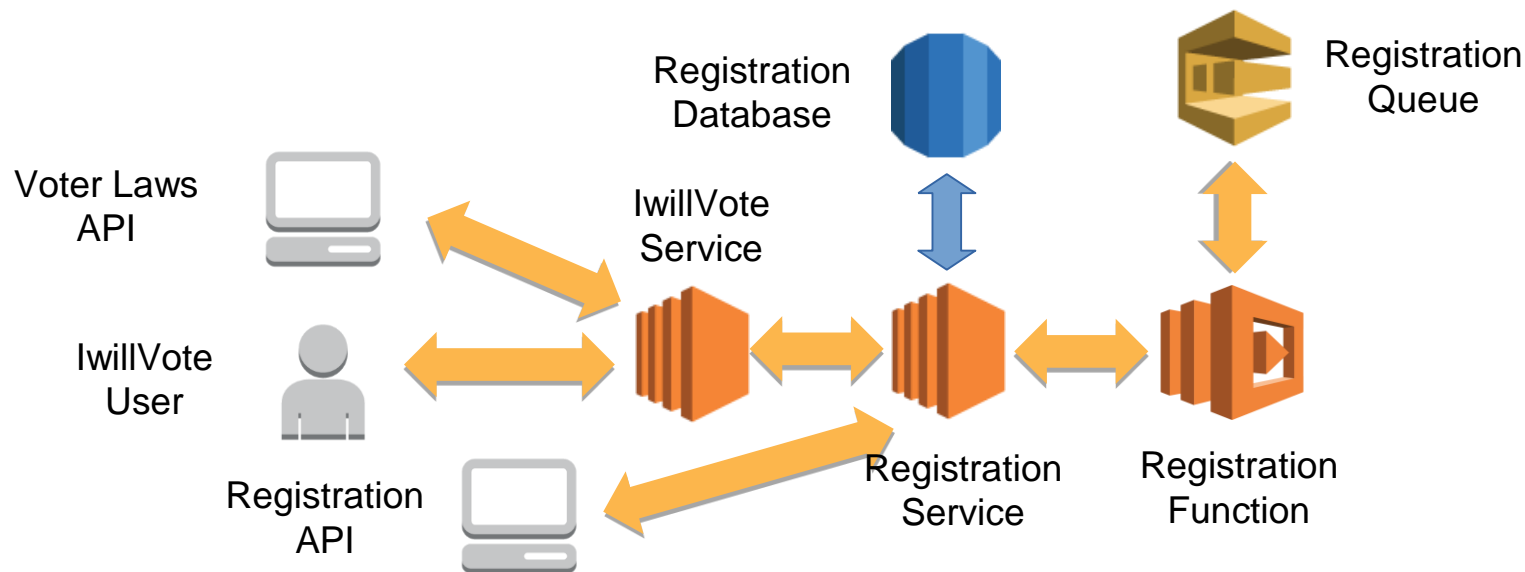


Voter Registration

To Be:

Split out service functionality

Voter registration processing using serverless



Pick Your Poison

AWS Lambda

- One of the first on the market
- Largest user base
- Many use cases and workloads on this platform

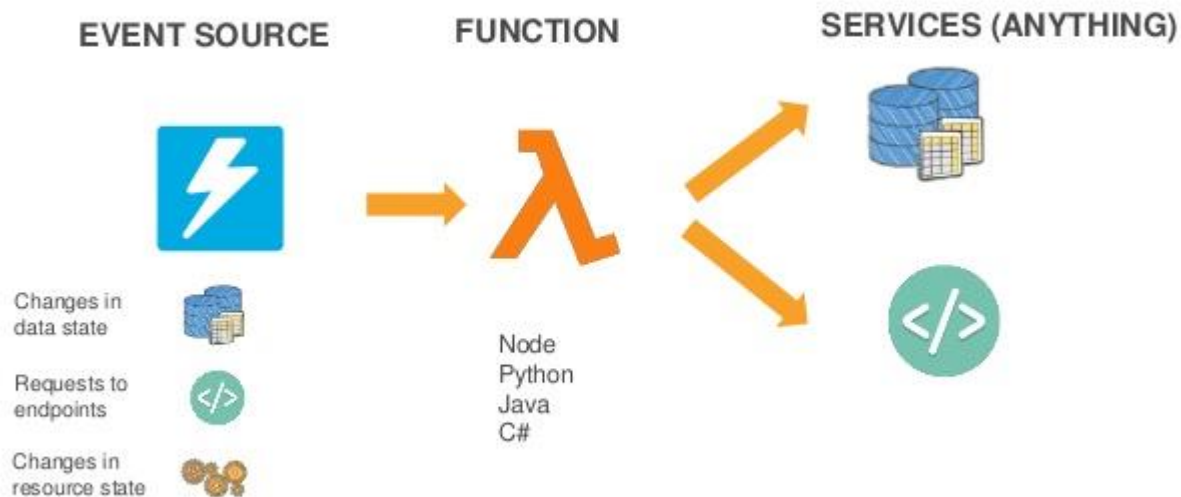
Microsoft Azure Function

- Tightly coupled to the azure platform
- Microsoft development model
- Works well for those on Azure, or moving to Azure

Google Cloud Functions

- Newest player, but very promising
- Google scales well, and has good serverless functions
- Third place, but catching up

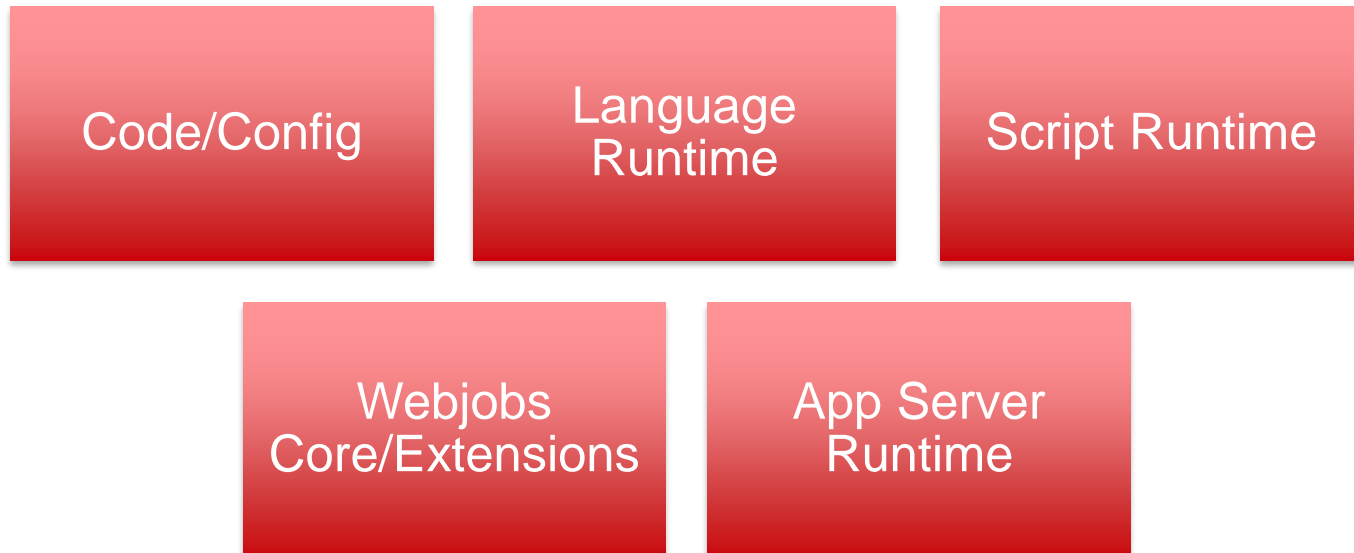
Working with AWS Lambda



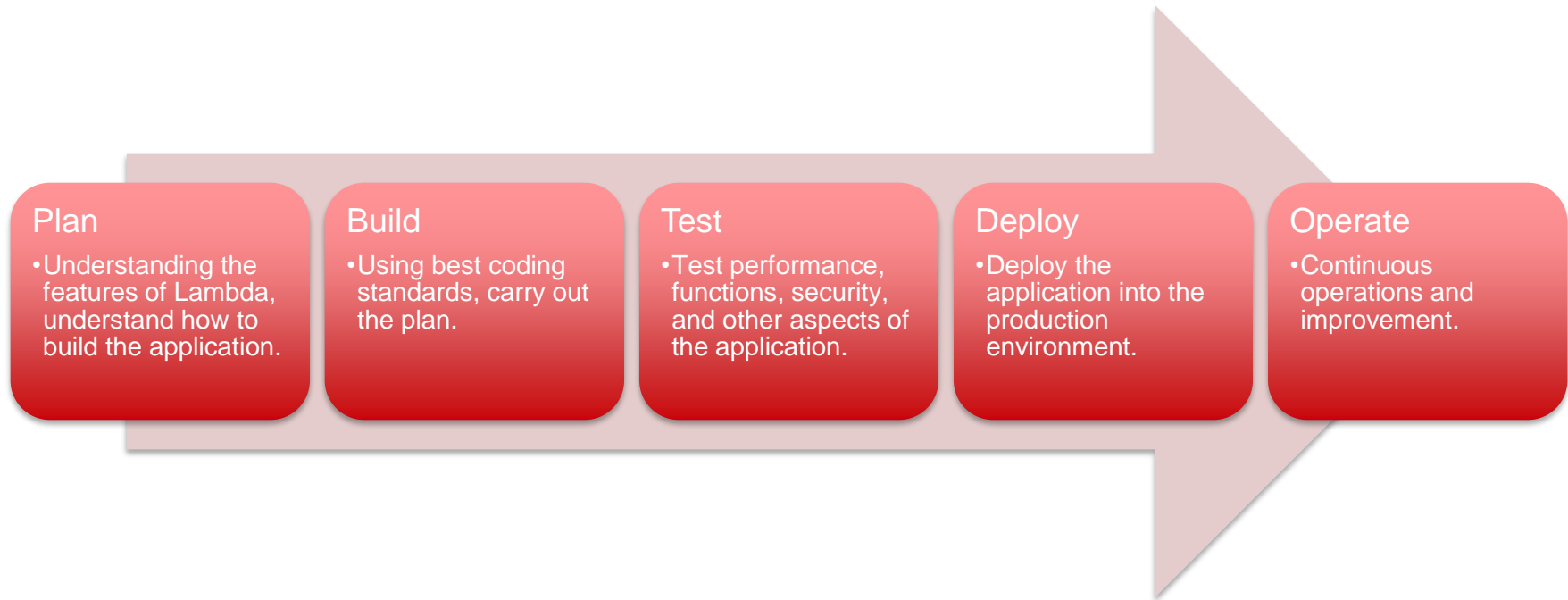
Source: AWS

Azure Functions?

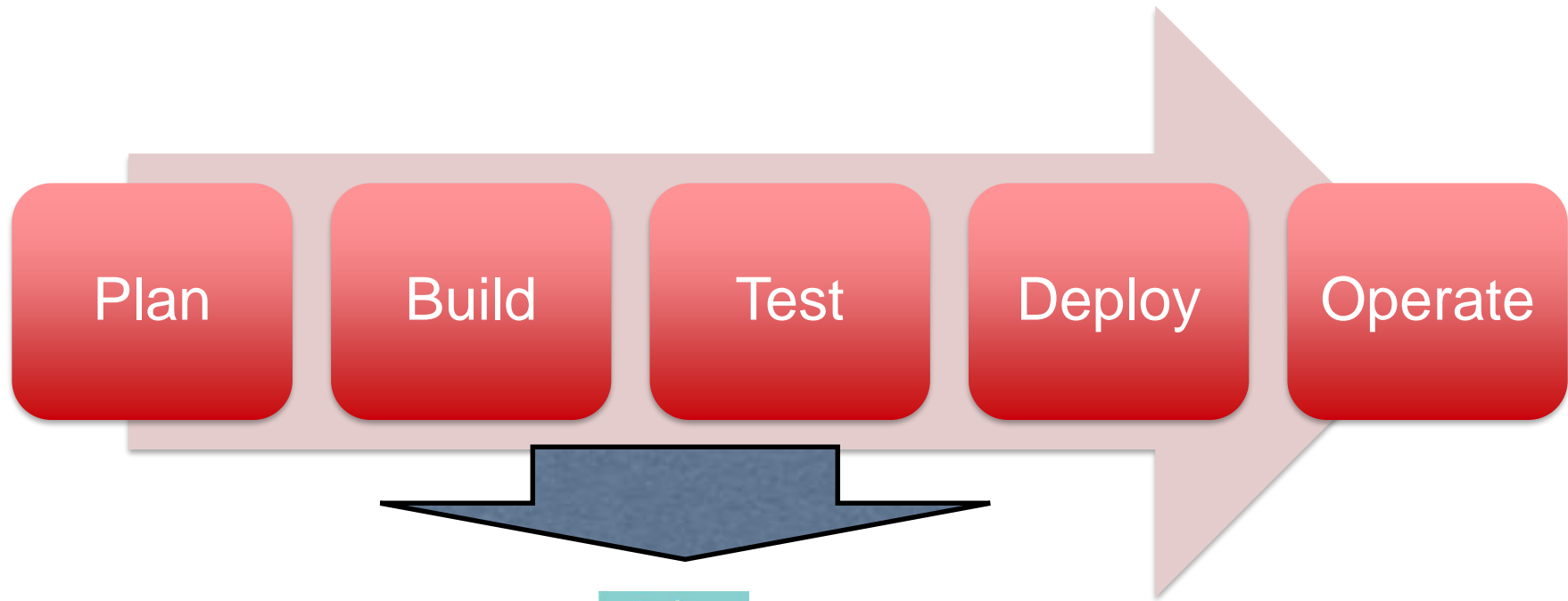
- Azure Functions are a serverless and event driven that builds on Azure App Service platform
- Azure Functions are “nanoservices,” or microservices that can scale based on demand



The Steps



Understand How They Breakdown to Lambda Functions





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Thanks! Questions? Catch me after lunch, or e-mail to:
david@davidlinthicum.com