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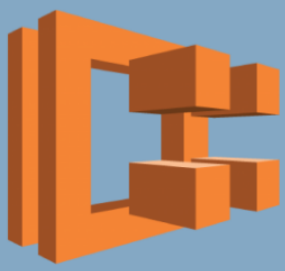
THE STATE OF SERVERLESS

A survey by DATADOG - summarised by StatusNeo



Nearly 80% of organisations that are running containers on AWS have **adopted Lambda**. This is for a fact that both abstract away infrastructure concerns for ease of operations

Half of Datadog's customers using AWS have **adopted** AWS Lamba (FAAS)

800ms

The median Lamda function runs for **800 milliseconds**. Lambda **pricing** is based on "GB-seconds": the memory allocated to your function multiplied by the duration of its invocations

LOW MEMORY ALLOCATION

47% of functions are configured to run with the **minimum memory** setting of 128 MB. By contrast, only **14%** of functions have a memory allocation **greater than** 512 MB, even though users can allocate up to 3,008 MB per function.

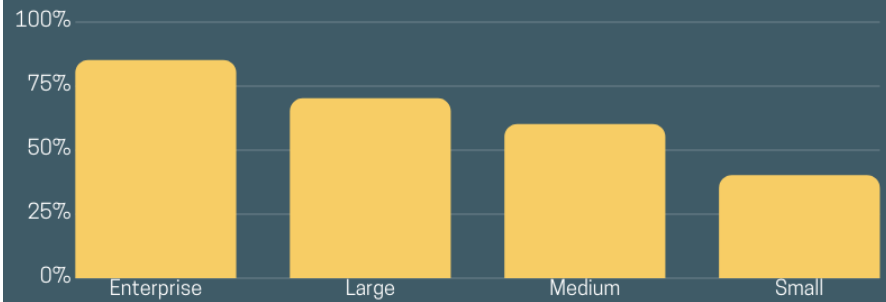
NODE.JS AND PYTHON DOMINATE

Amongst the languages and frameworks available to Lambda users, we see two clear leaders in terms of usage: **Python** and **JavaScript** (via Node.js). **47%** percent of all deployed Lambdas currently run Python, with another **39%** running Node.js applications.

AMAZON SQS AND DYNAMODB PAIR WELL WITH LAMBDA

Amazon **DynamoDB** with it's key-value and document store is a natural fit for Lambda functions given that it is a hosted, auto-scaling data store that promises **low latency**. The next most popular choice for data stores in Lambda use cases is SQL databases

LAMBDA USAGE BY ENVIRONMENT SIZE



All data is as of January 2020

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