



The Serverless Landscape

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This presentation is available at:

<https://github.com/cncf/presentations>

About us



Priyanka Sharma

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It's not Moonbeams



- Let's get one thing out of the way: **Serverless computing** still **requires servers**
- In serverless architectures the **infrastructure is fully abstracted away** from the user/developer
- Developers can tap into a **limitless pool of compute**, network and storage in the cloud via managed services

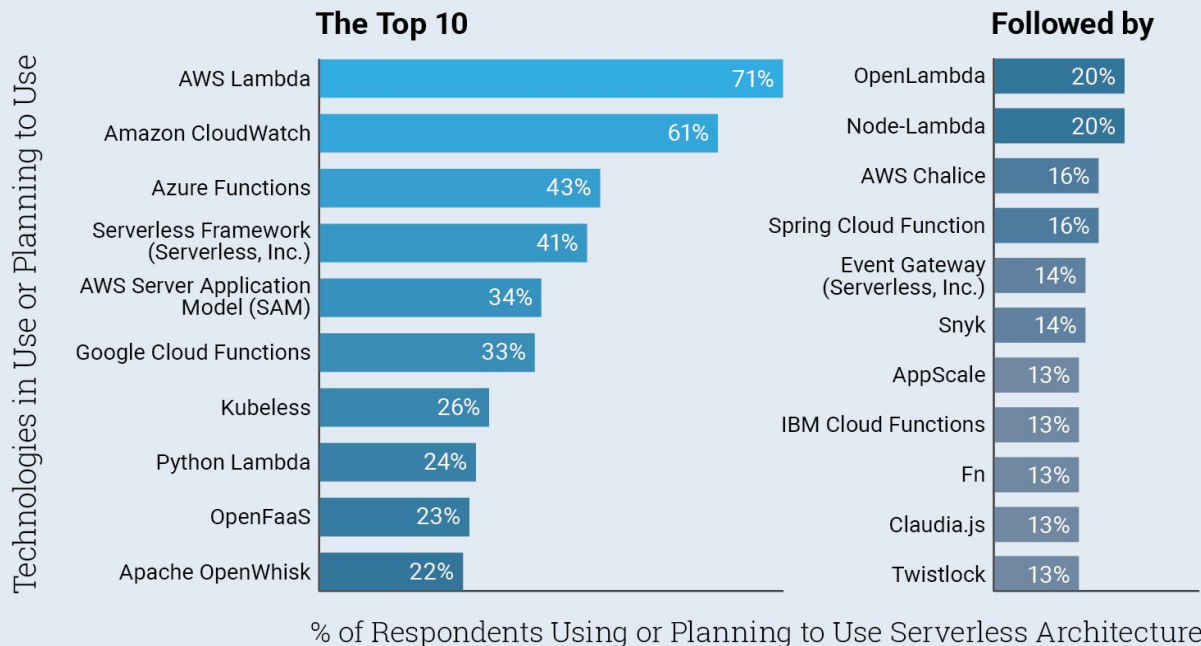
It's more than FaaS



- Opinion: **Serverless = FaaS + Applications**
- Anything that needs to **autoscale**
- Anything that **runs sporadically** can be serverless to save costs & vice versa
- Serverless-first is a **new mantra in the enterprise**



Top Technologies on Serverless Roadmaps for Next 18 Months



Source: The New Stack Serverless Survey 2018. Q. Please indicate which of the following your organization is using or planning to use within the next 18 months. n=382. Chart shows all respondents that answered "using" or "planning to use in the next 18 months".

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Database

Streaming & Messaging

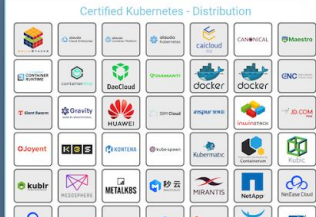
Application Definition & Image Build

Continuous Integration & Delivery

Platform

Observability and Analysis

App Definition and Development



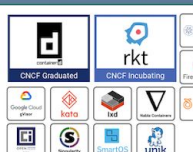
Orchestration & Management



Cloud-Native Storage

Container Runtime

Cloud-Native Network



Runtime

Automation & Configuration

Container Registry

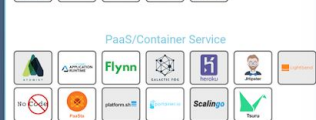
Security & Compliance

Key Management



Certified Kubernetes - Installer

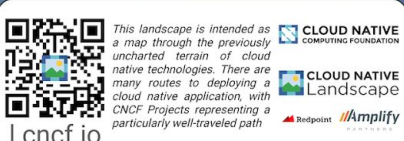
PaaS/Container Service



Serverless



Cloud



Special



Kubernetes Certified Service Provider

Kubernetes Training Partner



Tools



Security



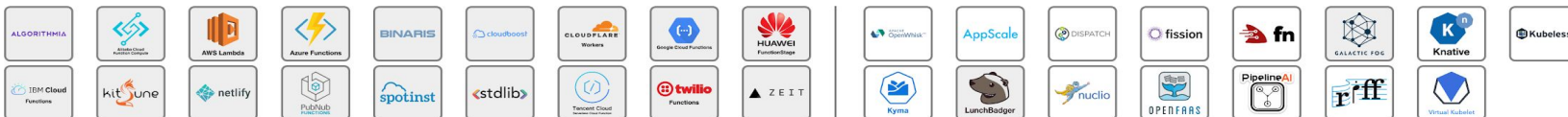
Framework



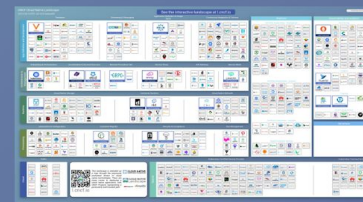
Hosted

Installable

Platform



Cloud Native Landscape



s.cncf.io

Serverless computing refers to a new model of cloud native computing, enabled by architectures that do not require server management to build and run applications. This landscape illustrates a finer-grained deployment model where applications, bundled as one or more functions, are uploaded to a platform and then executed, scaled, and billed in response to the exact demand needed at the moment

Serverless in CNCF

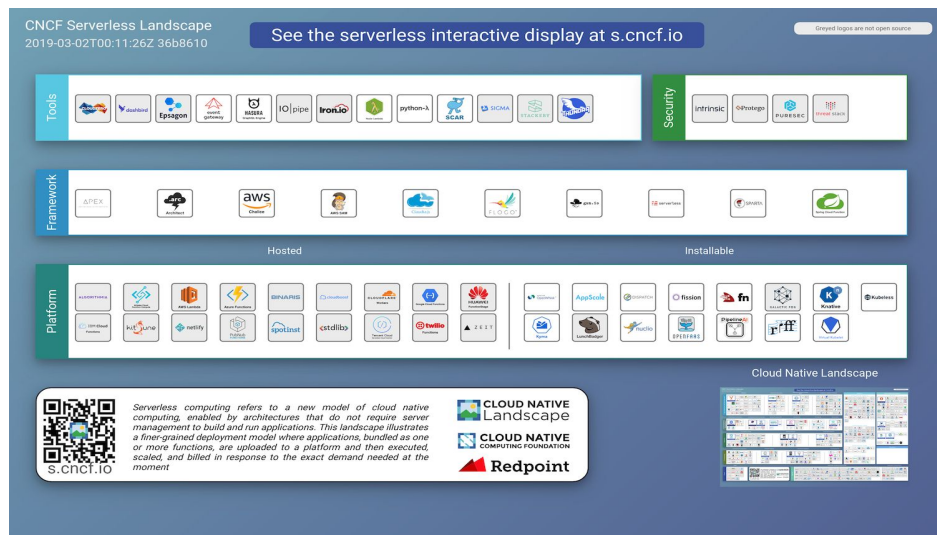
Decomposing Serverless

- Serverless [Working](#) Group published an influential [whitepaper](#)
- Attributes that developers love about closed serverless platforms (which already run on containers):
 - Infinite scalability
 - Microbilling
 - Easy app updates
 - Event-driven architectures
 - Zero server ops

• Serverless Fosters a Culture of Autonomy

Serverless Landscape

The Serverless Landscape s.cncf.io tracks all projects and products in the space





- Participate in the **Serverless Working Group**
- **Start building** serverless apps and functions
- Tell the world what projects you use so we can all **learn from each other**
- **Update the CNCF landscape** anytime, all the time!

github.com/cncf/wg-serverless

Thank you!

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