

Kapitel 10: Serverless

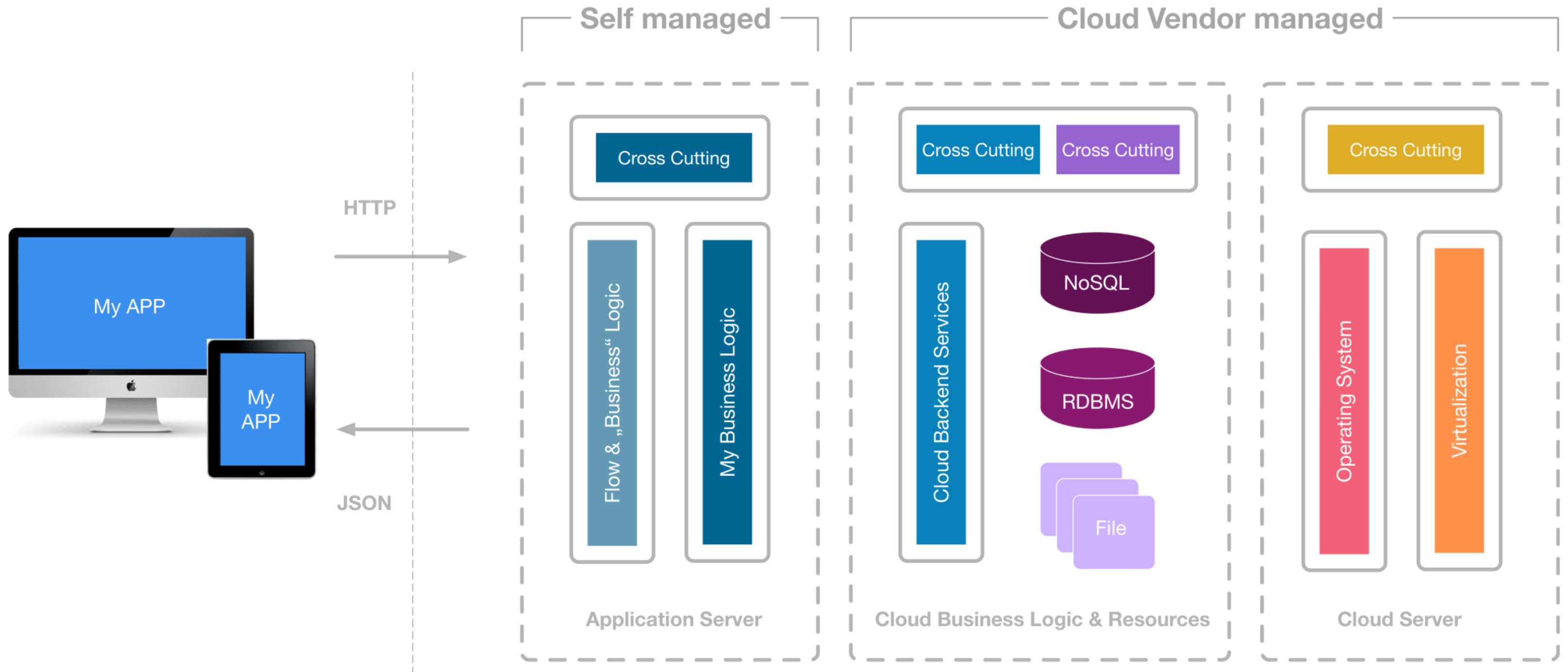


Vorlesung
CLOUD
COMPUTING

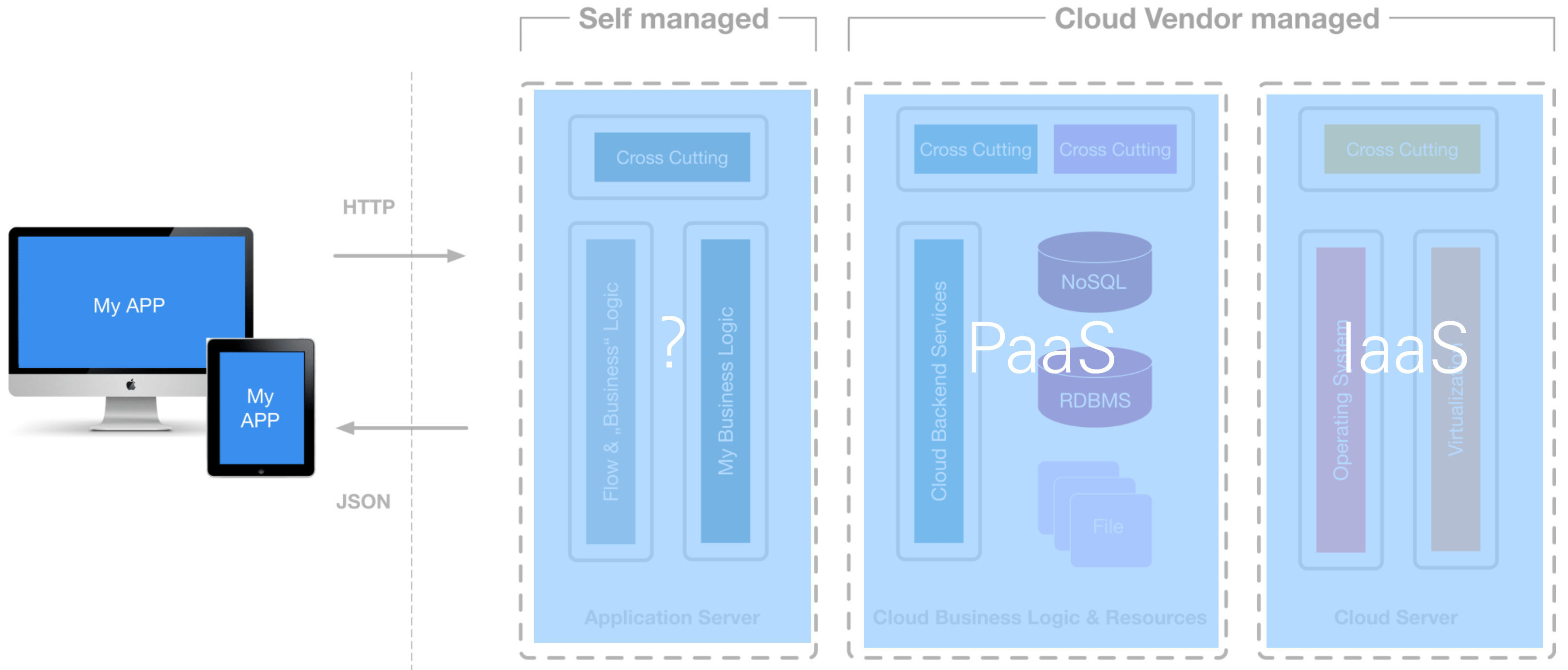
**Kein Server ist einfacher zu
verwalten, als kein Server!**

(Werner Vogels, CTO, Amazon)

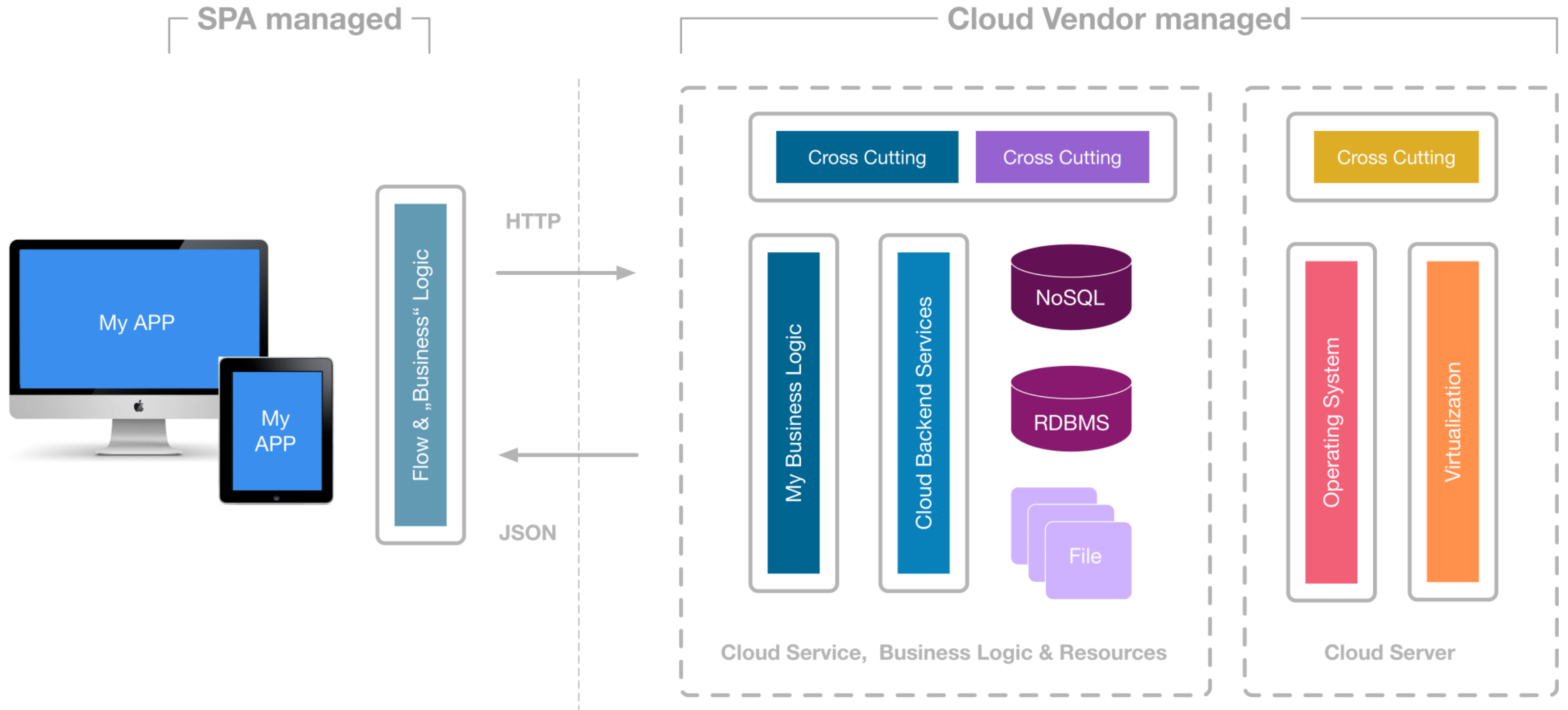
Traditionelle Cloud-basierte Anwendungsarchitektur



Traditionelle Cloud-basierte Anwendungsarchitektur



Serverless Anwendungsarchitektur



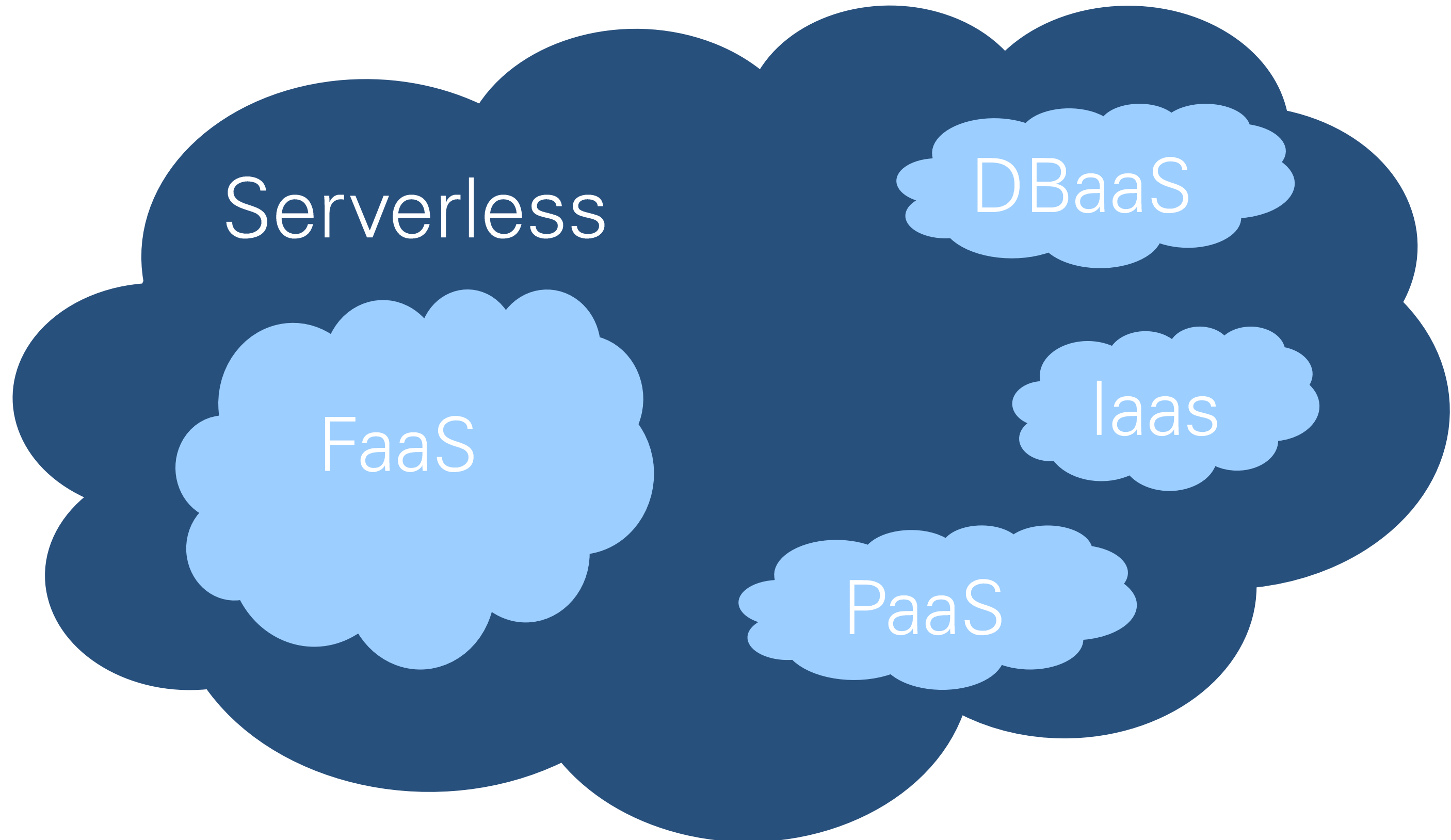
Die Idee.

Run Code, not Servers!

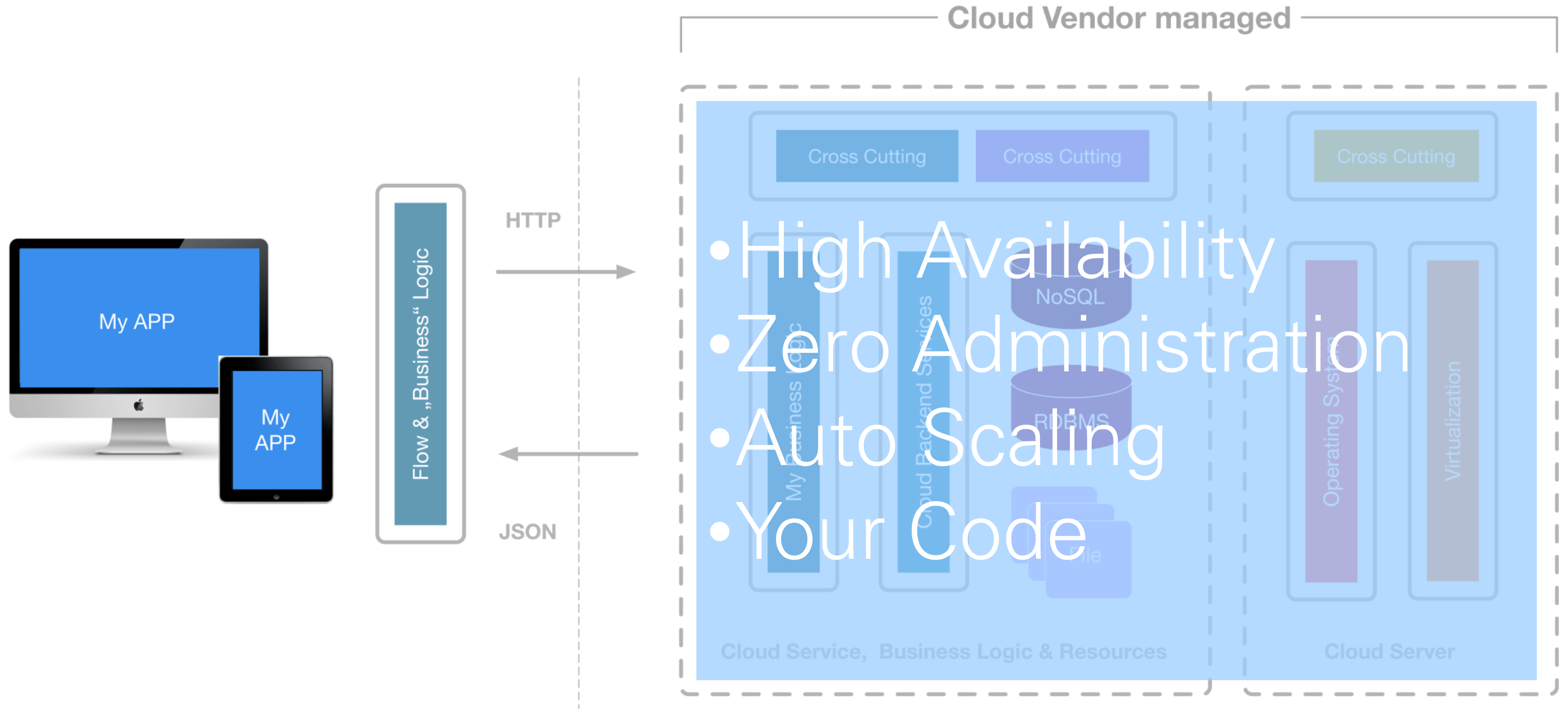
Serverless Definition

„Run your code **highly-available** in the cloud in **response to events** and scale **without any servers** to manage.“

Out-of the Box Self-scaling Fully Managed Backend



Serverless Anwendungsarchitektur



Tools



Security



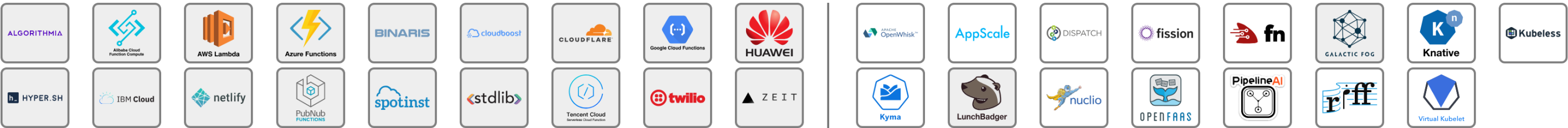
Framework



Hosted

Installable

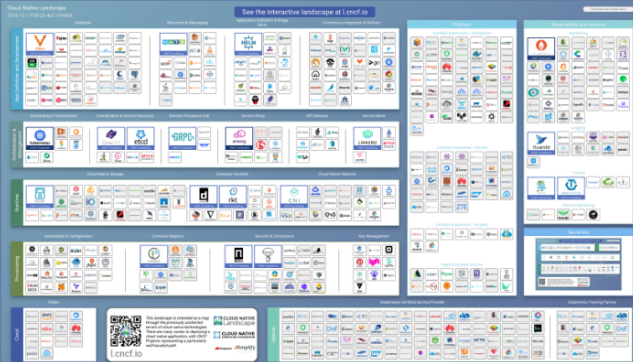
Platform



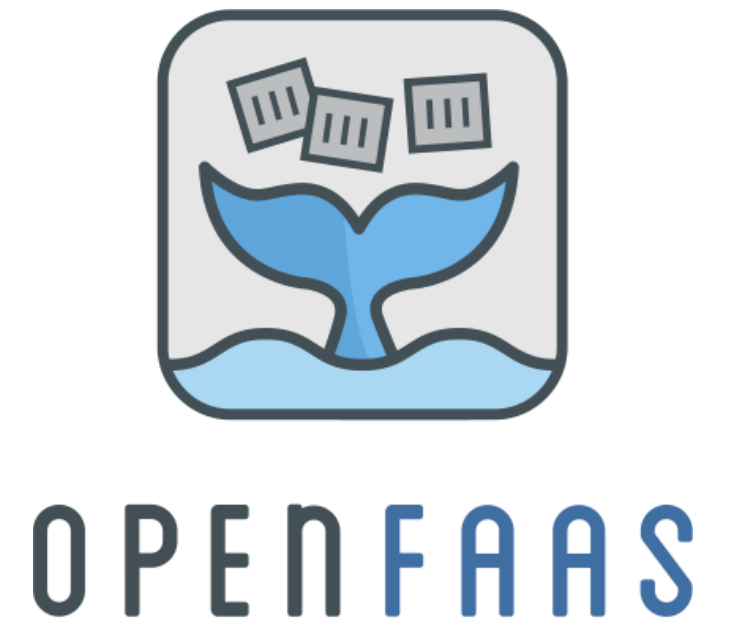
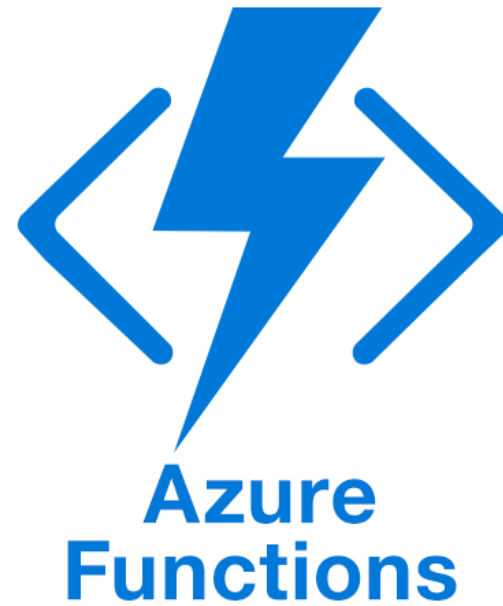
Cloud Native Landscape



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



Main Players



Create Thumbnails the AWS Lambda Way

