

# Kapitel 10: Serverless



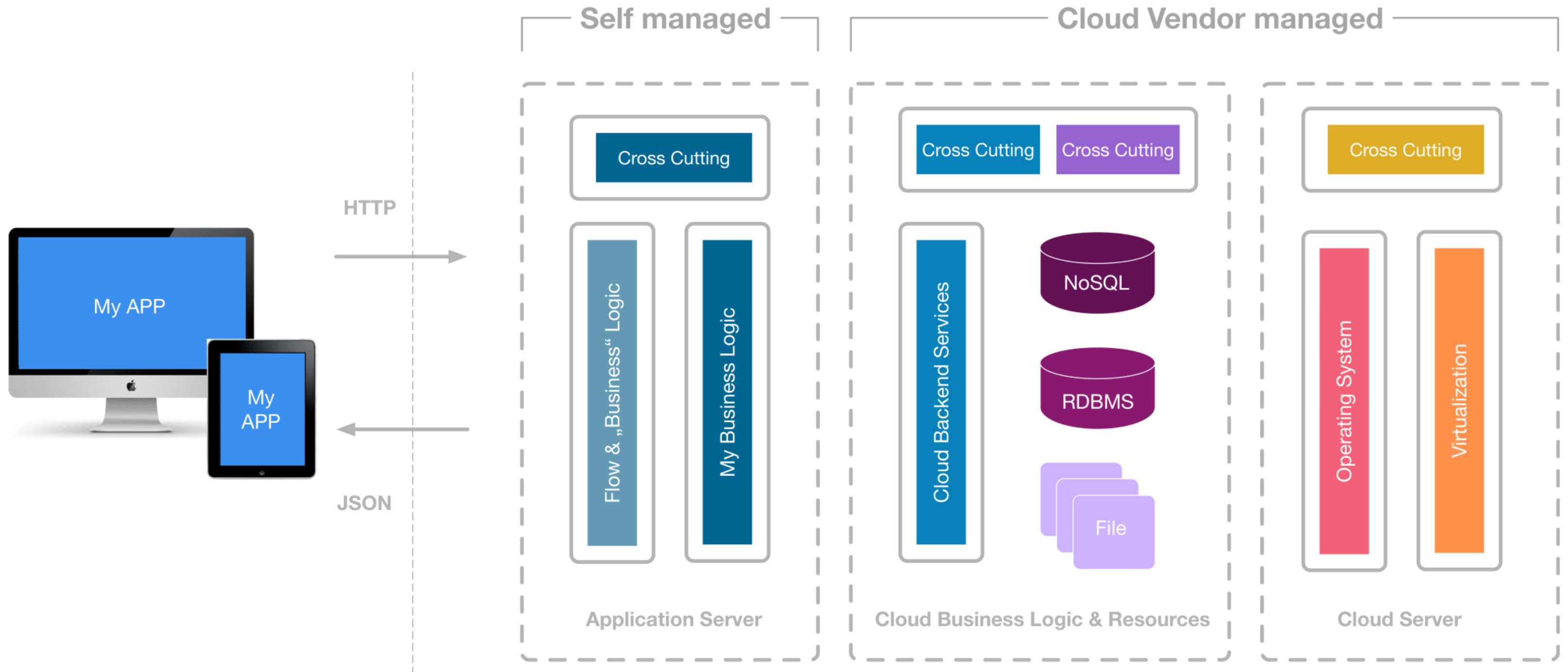
Vorlesung  
CLOUD  
COMPUTING



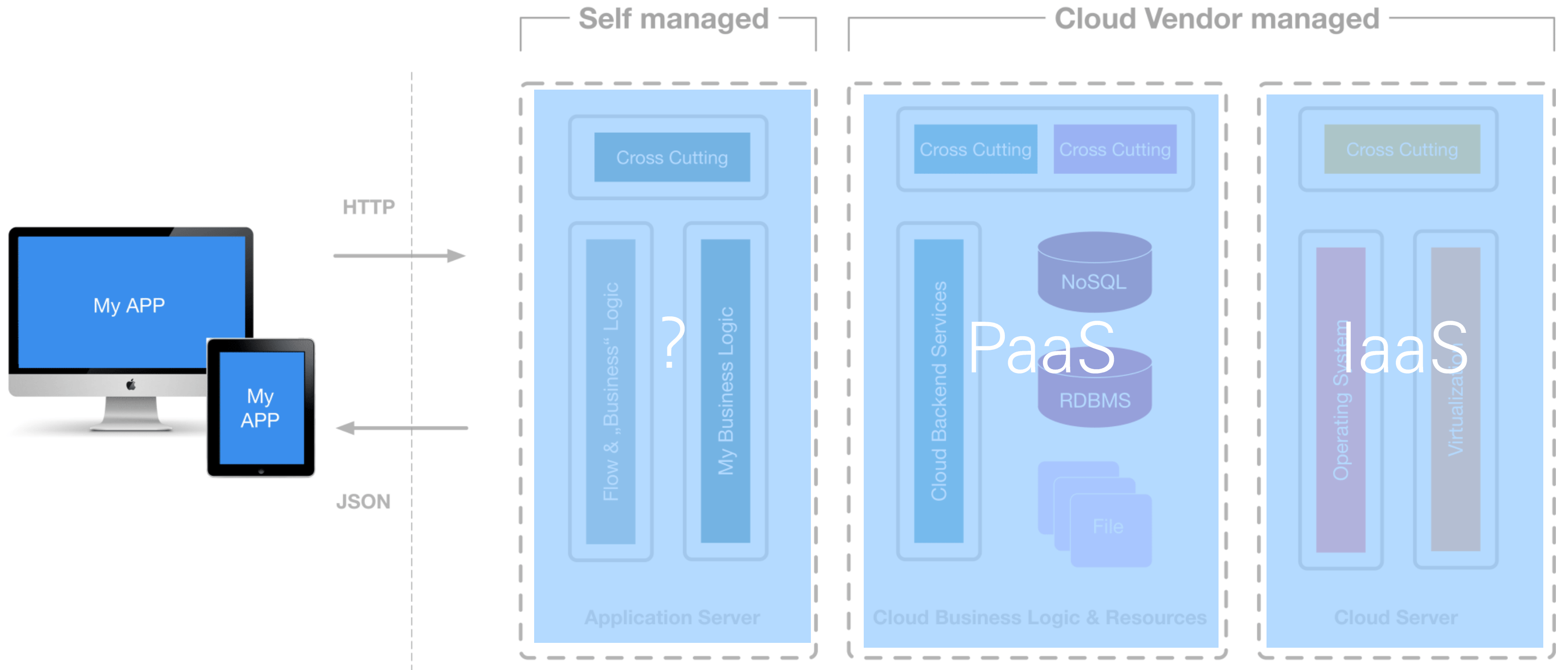
**Kein Server ist einfacher zu  
verwalten, als kein Server!**

*(Werner Vogels, CTO, Amazon)*

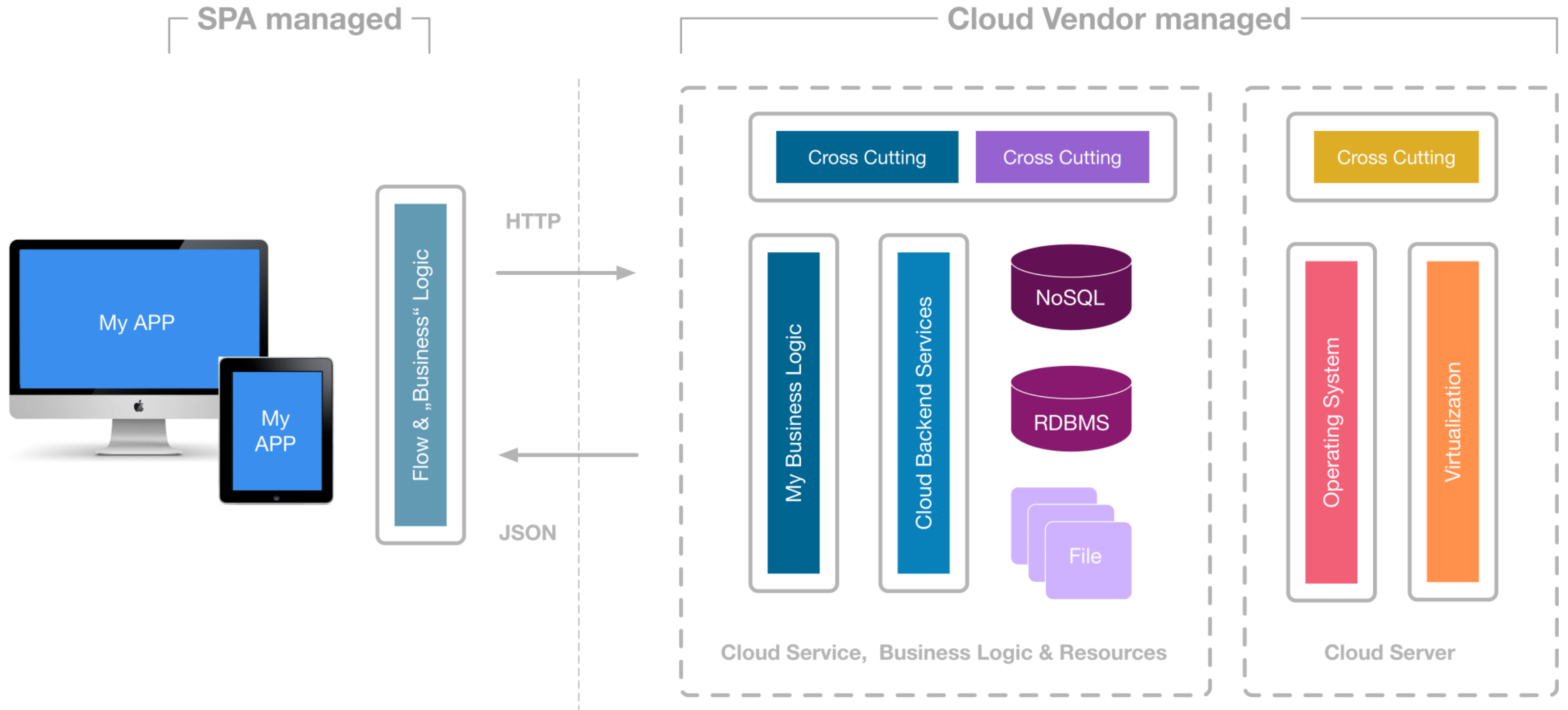
# Traditionelle Cloud-basierte Anwendungsarchitektur



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# Serverless Anwendungsarchitektur



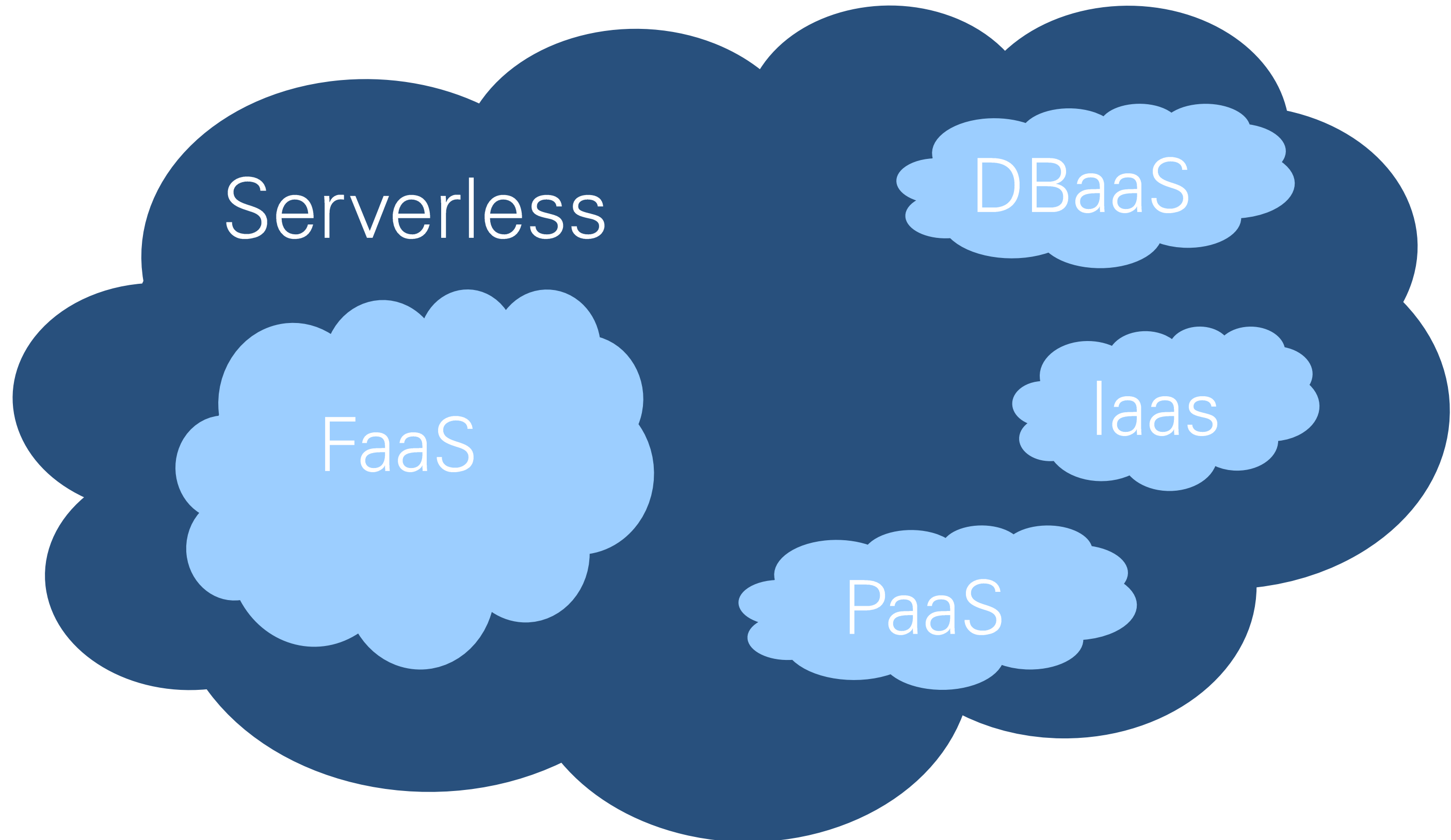
Die Idee.

**Run Code, not Servers!**

# Serverless Definition

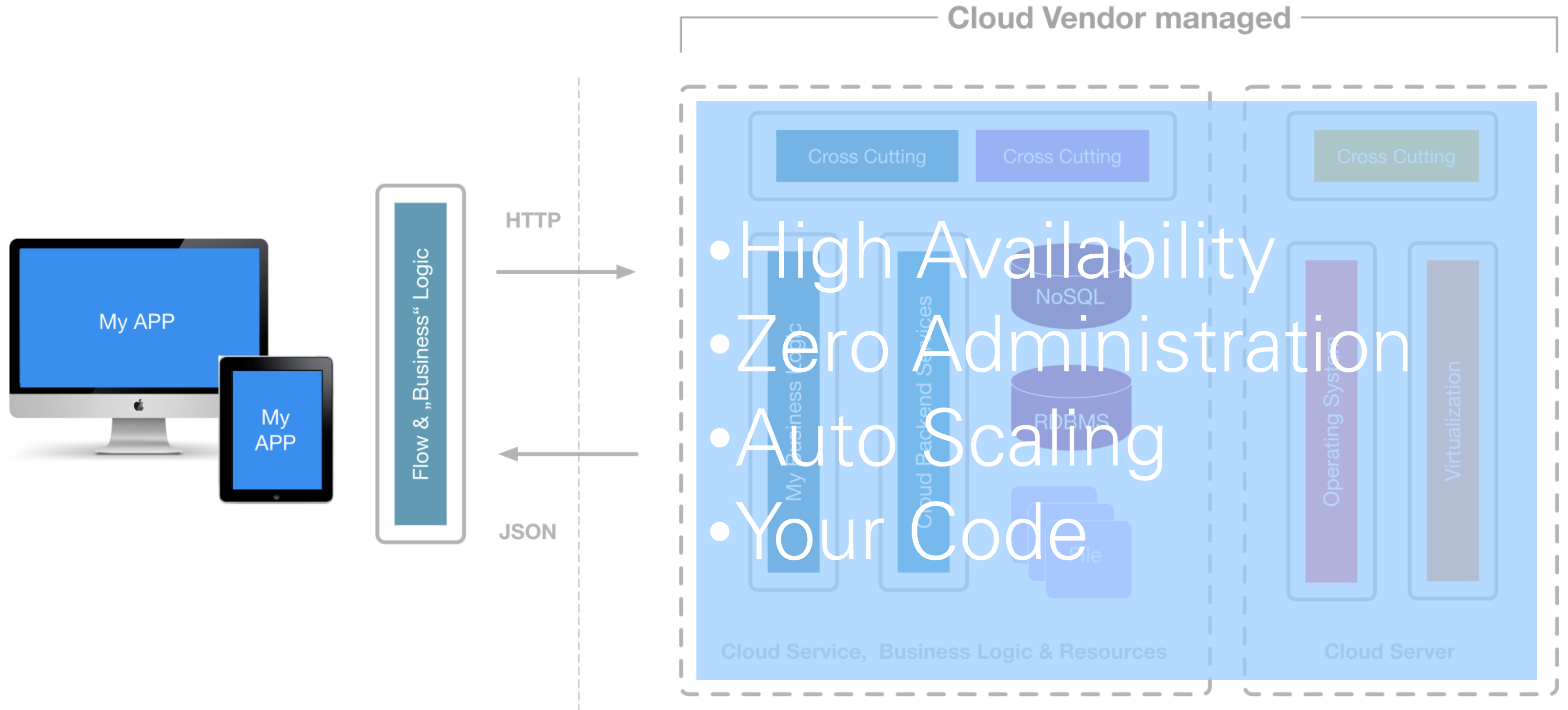
„Run your code **highly-available** in the cloud in **response to events** and scale **without any servers** to manage.“

# Out-of the Box Self-scaling Fully Managed Backend





# Serverless Anwendungsarchitektur



## Tools



## Security



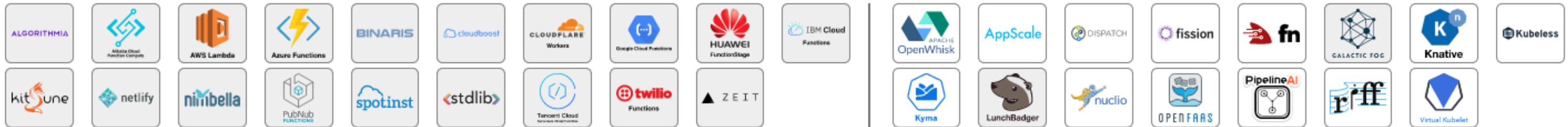
## Framework



## Hosted

## Installable

## Platform



## Cloud Native Landscape



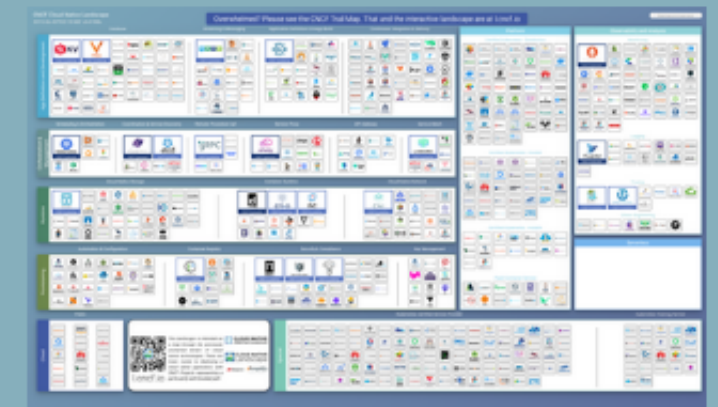
s.cncf.io

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

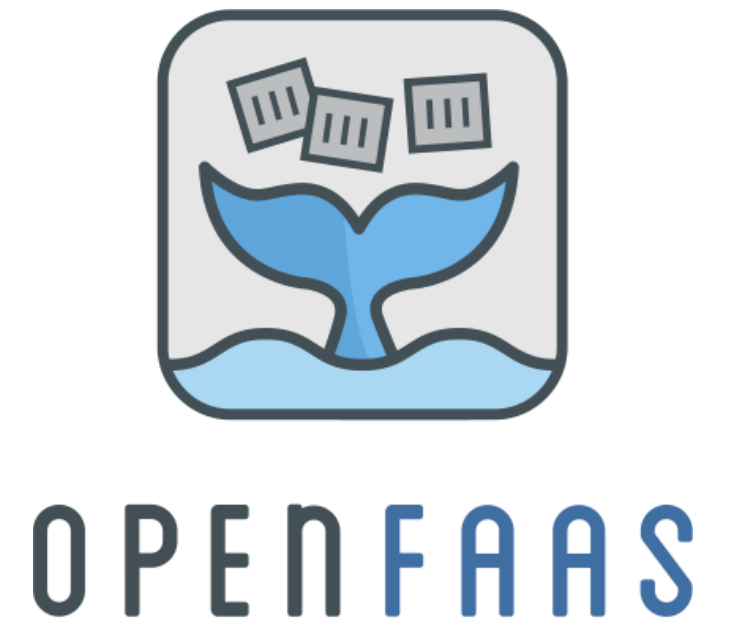
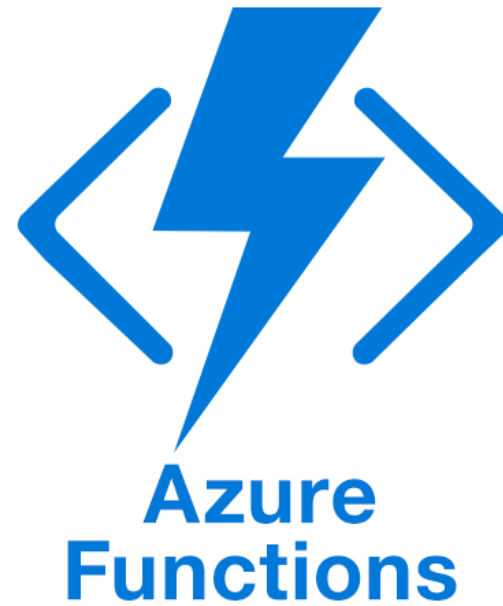
 **CLOUD NATIVE Landscape**

 **CLOUD NATIVE COMPUTING FOUNDATION**

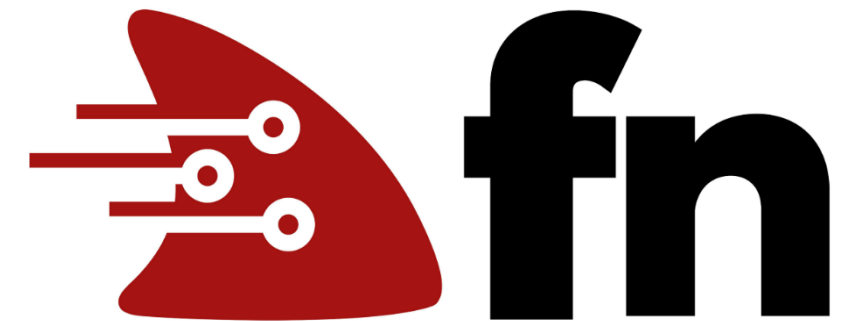
 **Redpoint**



# Main Players



CLOUD FUNCTIONS



# Create Thumbnails the AWS Lambda Way

