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Cloud Computing

.. and a bit about scalable systems

„I don’t need a hard disk in my computer if I can get to the server faster… carrying around these non-connected computers is byzantine by comparison.”

– Steve Jobs (1997)

Why to bother?

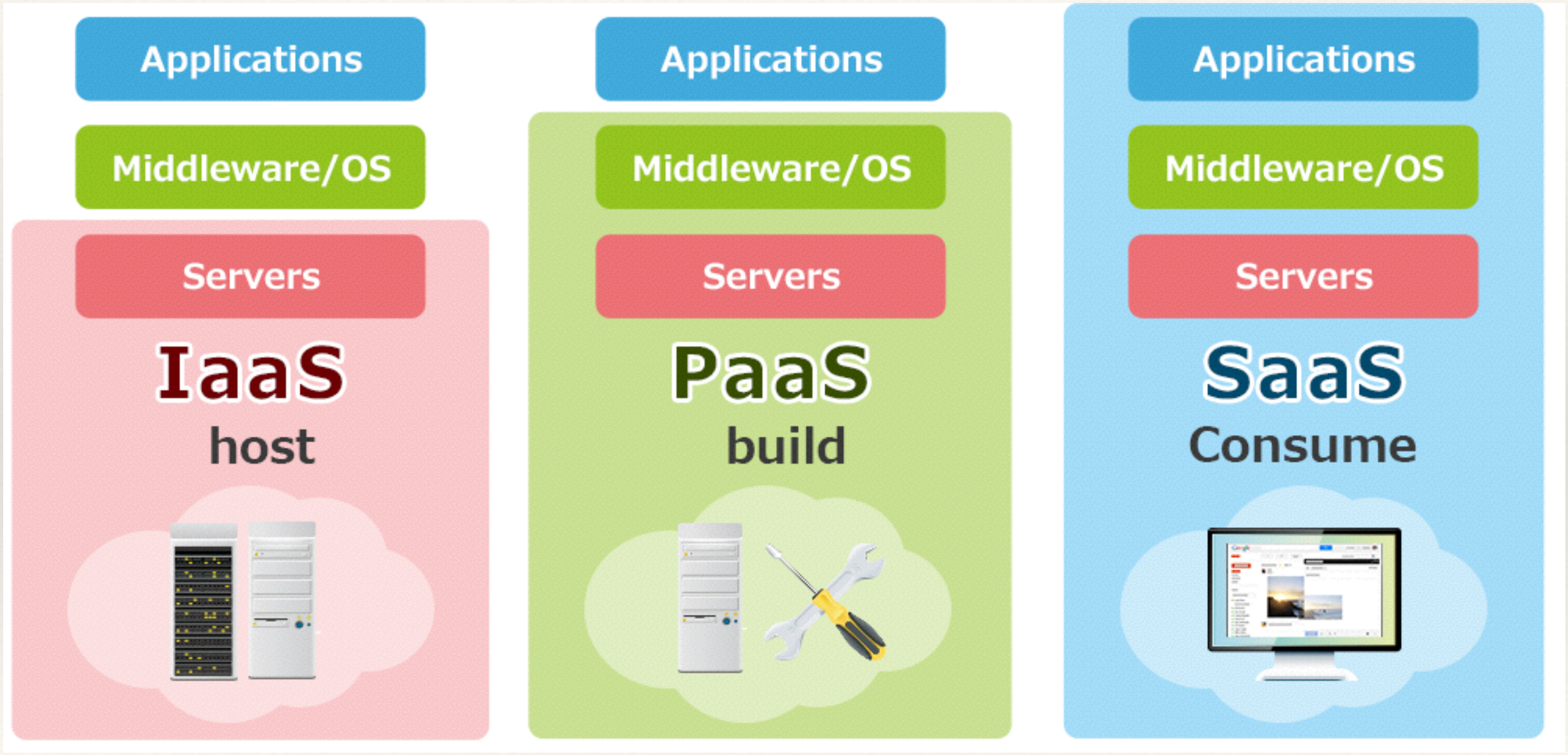
The bridge to efficiency

Cost efficiency is the real reason of why Cloud Computing was invented and gather such popularity

What is cloud computing?

- Services and Solutions that are delivered and consumed in real time over internet are Cloud Services
- Cloud Computing is a delivery model of computing services over the internet

Cloud Computing Architecture



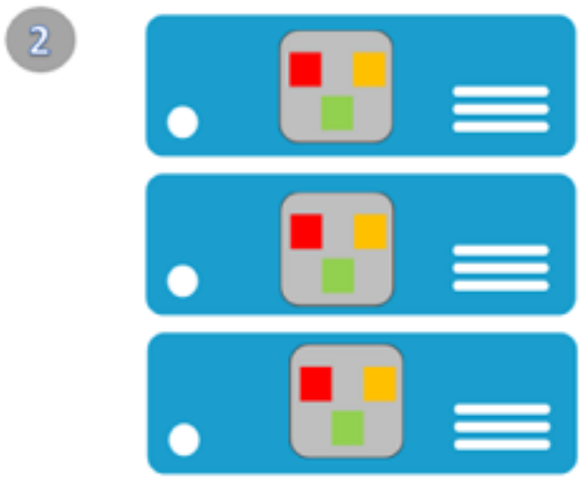
Market Players

Modern Architecture

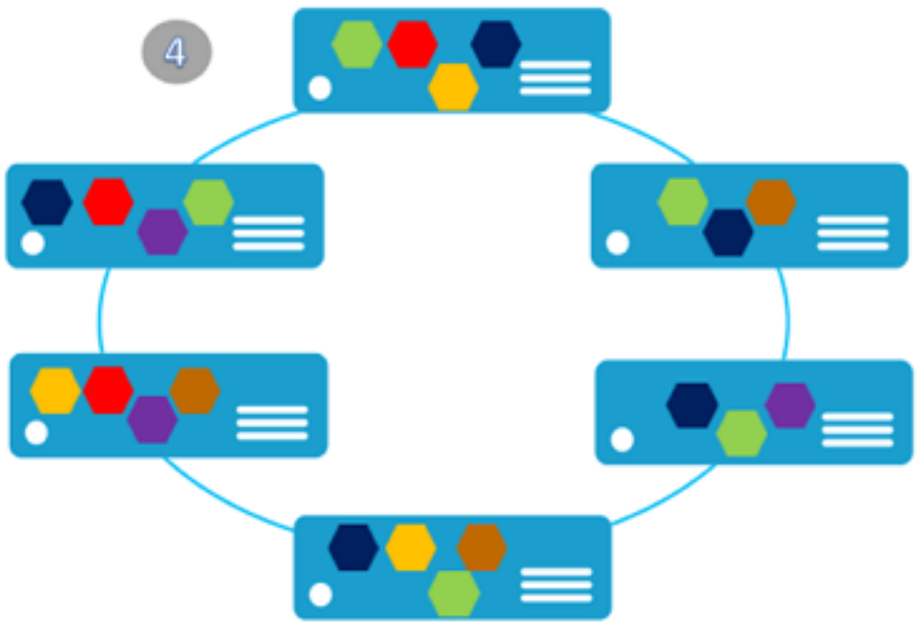
- Internet friendly architecture?
- Monolith do not match the cloud computing capabilities
- Microservices to help, but not the holy grail

Monolith vs Mircoservices

Monolithic application approach



Microservices application approach



Besides of benefits …

Microservices Trade-offs

- You have to deal with distribution of your system!
- Have in mind latency!
- Can your business accept eventual consistency?
- Are you ready for operational complexity?

any questions?