An Approach to Building Energy-Efficient, Fault-Tolerant FaaS Platforms

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Challenges

Current FaaS platforms:
- Do not provide fault tolerance mechanisms
- Do not take into account energy savings
- Do not deliver guaranteed performance

Objective

- Fault Tolerance
- Energy Efficiency
- Performance

Approach

- Kubernetes
- FaaS Frameworks (Kubeless/Fission/OpenFaaS)
- Physical Infrastructure