

Towards Benchmarking Serverless Platforms

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Serverless computing promises to evolve cloud computing architecture from VMs and containers -as-a-service to function-as-a-service (FaaS). Indeed, with FaaS a cloud application can be reduced to a collection of functions triggered from real-world events and executing as needed. This can result in simpler code, cheaper realization, and high distribution and availability. Various vendors have started offering FaaS on their cloud platforms and while the potential is there, what remains to be seen is whether consumers of such FaaS can actually realize any of the benefits mentioned? how to compare and contrast these various offerings? and how to judge which offering is best and most performing for their needs? In this talk we attempt to illuminate these questions and provide some initial answers along with a methodology that anyone could use to get their own answers to similar questions.