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Title: Principles for Engineering Elastic IoT Cloud Systems

Abstract:

The integration of IoT and clouds poses several challenges for engineering IoT cloud systems. In this talk, we first our main principles for engineering elastic IoT cloud systems that discuss concepts and techniques to provide a coherent software layer for continuous, deployment, provisioning, and execution of elastic applications atop blending IoT elements and cloud services. Second, we will present how we implement such concepts and techniques in the iCOMOT framework to support coordinated elasticity management, monitoring and governance of IoT cloud systems. A short demonstration will also be presented to show the current prototype of iCOMOT which is available as an open source in github (<http://tuwiendsg.github.io/iCOMOT/>).