

2016/2017 Seminar Series

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Improving Cloud Scaling and Availability

Presenter:
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Cloud systems abstract resources and provide them in a transparent, pay-as-you-go way to their tenant-clients. Platform-as-a-Service (PaaS) clouds provide large parts of the software hardware stack to their tenants, including hardware infrastructure, virtual machines, language runtimes, frameworks and external services. PaaS clouds deal with varying load by scaling; new instances are added (scale-out) or existing instances are restarted with more resources (scale up). However, starting and warming up these new instances takes time, which hinders the performance and availability of the tenant application. We present a solution to this problem as well as a prototype implementation and its experimental evaluation. Our idea has already been patented by our IBM partners [CA9-2016-0006US1].

ALL STUDENTS ARE ENCOURAGED TO ATTEND

Wednesday, November 30th @ 3:30 PM
Information Technology Centre, Room ITC317