



"سخنرانی های علمی"

پژوهشگاه دانشهای بنیادی
پژوهشکده علوم کامپیوتر

Adaptive power- & QoS-aware scheduling, migration and consolidation in a modern container-based datacentre

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Abstract

A modern virtualized datacentre comprises huge number of servers, disks, switches and other computing infrastructure, which are very power-hungry. Applications running on VDCs usually have challenging "Quality of Service" (QoS) constraints e.g. compute time, reliability, throughput, as well as overall cost. Optimized VM configuration for differing workloads and QoS constraints can have a very significant impact on the overall energy consumption and performance of virtualised datacentres through better utilisation of traffic flow and shared physical system resources. In this talk we discuss some new approaches to find an optimised balance between performance and energy consumption of servers in modern virtualized/container-based datacentres, focusing on the design of system level solutions to reduce power consumption.

Please note that at Centre for Distributed and High Performance Computing, University of Sydney, we are looking for enthusiastic **PhD candidates** to join our team.

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مکان: فرمانیه - خ لواسانی - بعد از برج کوه نور - نبش خ فریبین - پژوهشگاه دانشهای بنیادی

*** شرکت برای عموم علاقه مندان آزاد است ***