

Project Title: On-demand Resource Sharing using Virtualization in the Cloud Environment
Project No.: RG039-10ICT
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Abstract:

Cloud computing has accelerated due to the popularity and adoption of virtualization. In brief, virtualization involves running multiple virtual machines on a single physical machine to provide the same functions as multiple physical machines. The primary benefit of this virtualization technology is on-demand network access to a shared pool of configurable computing resources. The objective of this project is to develop a cloud infrastructure to perform on-demand resource sharing using the virtualization technology. The key component of this infrastructure lies on the scheduling algorithm that matches users' requests with resources available.