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IMPROVEMENT OF COMPUTATIONAL ABILITIES IN COMPUTING ENVIRONMENTS WITH VIRTUALIZATION TECHNOLOGIES

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In this paper, we illustrate the ways to improve abilities of the computing environments by using virtualization, single system image (SSI) and hypervisor technologies' collaboration for goal to improve computational abilities. Recently cloud computing as a new service concept has become popular to provide various services to user such as multi-media sharing, online office software, game and online storage. The cloud computing is bringing together multiple computers and servers in a single environment designed to address certain types of tasks, such as scientific problems or complex calculations. By using virtualization technologies, cloud computing environment is able to virtualize and share resources among different applications with the objective for better server utilization, better load balancing and effectiveness.

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