Abstract Details

Title: A Review of Credit Based Scheduling Algorithm in Cloud Computing

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Abstract: Cloud computing in today's world has become synonymous with good service policies. Good services from a cloud can be achieved, if the need for a number of resources arose. But cloud providers are very limited on the basis of amount of resources they have, and are thus forced to strive to maximum utilization .the number of real-time applications is growing considerably at an unprecedented rate. Proficient bandwidth allocations and strict delay necessities are indispensable for real-time flows for example audio streaming. Unfortunately, a large portion of the well-known packet scheduling algorithms like Weighted Fair Queueing (WFQ) and Start-time Fair Queueing (SFQ) cannot guarantee low and stable latencies for real-time streams due to the 'unsteady queuing delay problem'. With the advancement of multiprocessor framework, parallel program turns into a very important direction of software improvement. Yet in virtual machine systems, the execution of concurrent program scheduling is poor. So as to enhance the performance of scheduling parallel applications in Virtual Machine (VM) different scheduler and their enhanced versions are used.

Keywords: Cloud computing, Cloud Architecture, Scheduling in Cloud Computing, Weighted fair queuing (WFQ).