

IMPROVED LOAD EFFICIENCY ALGORITHM IN CLOUD

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ABSTRACT

Today Cloud Computing has emerged as a very powerful concept that has considerably transformed the fields of parallel as well as distributed computing. Internet consists of huge amounts of data and services that are distributed across the globe with the help of virtualized servers and machines. This can lead to problem of deadlocks. Henceforth, to make this data and services available to the users, the cloud service provider must perform load balancing which will provide maximum resource utilization, increased throughput with least response time and prevent the virtualized servers from overloading which can degrade their performance. This paper proposes a load balancing algorithm that will help improve the business performance by reducing response time and preventing deadlocks between the virtualized servers and support process migration. Also this paper presents the implementation results of the novel algorithm.

KEYWORDS: Cloud Computing, Load Balancing, Deadlock, Throughput, Response Time, Hop Time