Abstract

Nowadays, Cloud computing has become buzzword in the Information Technology and is a next stage in the evolution of Internet. It provides very large amount of computing and storage services to users through the internet. Load Balancing is important for essential operations in cloud virtual environments. As cloud computing has been growing rapidly and many clients all over the world are demanding more services and better results, so load balancing is an essential and important research area. Many algorithms have developed for allocating client's requests to available remote nodes. Efficient load balancing ensures efficient resource utilization of resources to customers on demand basis and enhanced the overall performance of the Cloud. This paper is a brief discussion on the existing load balancing techniques in cloud computing and further compares them based on various parameters like data processing time and response time etc. The paper analyzes the result based on existing Round Robin and Throttled scheduling algorithms.

References


A Comparative Study of Load Balancing Algorithms in Cloud Computing


Index Terms

Computer Science

Distributed Systems
Keywords

Cloud Computing, Cloud Environment, Load Balancing, Virtual Machines, Resource allocation