Dynamic Load Balancing Techniques for Improving Performance in Cloud Computing

Abstract

Cloud Computing is an emerging area in IT sector which enables a wide range of users to access distributed, scalable, virtualized hardware and/or software, applications and platforms are provided over the Internet. Cloud Computing is a shared pool of Configurable computing resources which require the proper distribution of dynamic workload among multiple computers to ensure no single node is underloaded or overloaded. Load Balancing aims to reduce response time of jobs, increase overall performance, reduce communication cost of servers, Resource optimization, maintain cost of VMs, Maximize throughput and avoid overload of any single node. In this paper we discuss the various techniques related to Load Balancing in Cloud Environment and further we propose a modified agent based technique which is used for Balancing a load of the all host and also manage the new arrival jobs to increase the overall performance of system.

**Index Terms**

Computer Science Distributed Systems

**Keywords**
