Load Balancing Technique in Cloud Computing: A Review

Abstract

Cloud Computing (CC) term came into existence using existing technologies like Parallel computing, Grid computing, Distributing computing, Peer to Peer technology and Virtualization, etc. Load Balancing is a technique of sharing cloudlet of overloaded nodes to slug nodes. In CC, due to its elastic characteristic, load balancing (LB) is a critical issue as data processing occurs centrally in network using Virtual Machines (VM). LB helps in minimizing over consumption of resources, fault tolerance, scalability, increase throughput, response time, etc. The paper summarizes various recent techniques introduced for load balancing in Cloud. The metrics of analyses are objectives, achievements, challenges of discussed load balancing techniques and their comparison.

References

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Index Terms

Computer Science, Distributed Computing

Keywords

Cloud Computing (CC), Virtual Machine (VM), Virtualization, Load Balancing (LB), Elasticity