Load Balancing Approaches: Recent Computing Trends

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Abstract

This paper presents thorough survey of work addressing on load balancing in recent computing trends. There are many issues whose solutions lead to the need for load balancing. The objective of load balancing is to increase the performance of parallel and distributed system by distributing the load among the processors. Load balancing is a major factor for achieving high performance. It affects the execution time significantly by expediting it. Load imbalance is a well-known problem in the areas involving parallelism. However, offering load balancing is a difficult and challenging task. Various algorithms have been proposed for load balancing. These algorithms have distinguished features and each uses different mechanisms. Various Load balancing algorithms like biased sampling, honey bee, active clustering, and join idle queue have been studied.

References

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Index Terms

Computer Science

Networks

Keywords

Load Balancing, Cloud Computing, CloudSim