Abstract

Due to the fast development of internet, a huge amount of load increases over data centers every second. This causes scheduling overhead, huge memory demand at data centers. Thus increases overhead effects the load balancing at data centers. So, there is a need of mechanisms which will decrease overhead and provide effective load balancing. Today, every load balancing scheduling algorithm balances the load on data centers that reside in the same region. They give birth to same problems like scheduling overhead, huge memory demand. This paper proposes a Load balancing scheduling algorithm which is based on load and time. This algorithm balances the load over the Data centers which reside in different regions. This mechanism will maximize hardware utilization, decrease huge memory demand and decrease cost.

References

- Mao Hong, Zhang Zhenzhong, Zhao Bin, Xiao Limin and Ruan Li "Towards Deploying Elastic Hadoop in Cloud", International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery.
- Tommaso Cucinotta, Konstanteli Kleopatra and Varvarigou Theodora "Probabilistic Admission Control for Elastic Cloud Computing".

Index Terms

Computer Science

Algorithms
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Cloud Computing  Load Balancing  Time based  Scheduling