Abstract

The cloud computing is the architecture in which hosts, virtual machines, brokers, virtual servers are involved in the communications. The cloud architecture is the de-centralized network for task migration, task allocation, security. This work is based on the task migration when virtual machine get overloaded at the time of cloudlet execution. The brokers are responsible to assign tasks to the most appropriate virtual machine for the execution. When any of the virtual machine get overloaded, the task is migrated from one virtual machine to another which can be
Improvement in Genetic Algorithm for Virtual Machine Migration in Cloud Computing

decided by the improved genetic algorithm. The proposed and existing algorithms are implement in cloudsim and it analyze the execution time, space utilization. Execution time, space utilization is reduce by the proposed improvement.

References

- Hassan MM, Song B, Hossain MS, Alamri A, "QoS-aware resource provisioning for big data processing in cloud computing environment", 2014, international conference on computational science and computational intelligence, Las Vegas, NV, USA

Index Terms

Computer Science

Algorithm
Keywords
Cloudlets  Brokers  Virtual Machine  Genetic Algorithm