Abstract

Cloud is a high performance computing environment in which many users are allowed to utilize the data, storage, computations and services from all around the world. Cloud environment contains heterogeneous collection of systems and is very flexible. Still scheduling of tasks is a major issue in cloud computing environment. Efficient utilization of tasks can be obtained by proper scheduling of all the tasks submitted to the cloud. This paper considers two QoS(Quality of Service) aspects : deadline and makespan for obtaining best schedule of tasks in a private cloud. Bi-objective Genetic Algorithm is used with the aim to minimize the violation of deadline and makespan of tasks.
QoS-Based Scheduling of Tasks using Bi-Objective Genetic Algorithm in Private Cloud

References

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