Abstract

In computing clouds, it is desirable to pass up slaying resources as a result of under-utilization and to avoid long response period as a result of over-utilization. This paper, proposes a latest approach for dynamic autonomous resource managing in computing clouds. The core involvement of this work is two-fold. First, it adopts a distributed design where resource management is decaying into independent tasks. The results show that the total energy consumption and decision-making time were compacting additional in the proposed algorithm than Sequential Executive Algorithm (SEA). In adding, the advantage would be increasingly apparent with the growing in assignments.

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Index Terms

Computer Science                       Distributed Systems

Keywords

Cloud Computing, Task Tolerance, Resource consumption, Energy Consumption Optimization