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.

References

2. Ye Kejiang, Wu Zhaohui, Jiang Xiaohong, and Management of Virtualized Cloud
Autonomic Resource Management and Energy Consumption in Cloud Environment


Index Terms

Computer Science

Distributed Systems

Keywords

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