Abstract

Task scheduling is very effective issue of green Cloud computing which is used for minimization of energy consumption and for minimization of execution time. To save the power, temperature aware resource scheduler is used. It contains all features that satisfy its users and fill all task requirements. Cloud computing uses the concept of virtualization for energy efficient programs. Temperature aware resource scheduling can provide green enhancement within Cloud computing environment. In proposed algorithm the scheduler allocate the task to that machine which is far from its critical temperature as well as it consume less power. The proposed work is on a hybrid approach for both temperature and power aware resource scheduling.

References

Hybrid Approach for Resource Scheduling in Green Clouds

- S. Clearwater, Market-Based Control: A Paradigm for Distributed Resource Allocation, World Scientific.

Index Terms

Computer Science
Distributed Computing
Keywords
Green computing    Resource scheduling    Task scheduling    Temperature    Thermal management