Abstract

In Distributed Computing approach, it is followed to assign a job to a processor if it is idle. The focus is now on how to optimize resources to decrease the energy consumption by volumes of computing equipments to deal with green and sustainability issues. So that to save environment from Global Warming and utilizing the resources efficiently. This process is twofold - One hand providing green and power efficient algorithms and on the other supporting companies green investments. In order to minimize energy consumption by processor allocation we are providing some algorithms to generalize distributed computing. In this paper we provide algorithms to green compute by calculating a threshold and sending systems to power saving modes if the processor is idle.

Reference

- M. L. Liu, “Distributed Computing Concept and Applications
Improving Performance of Algorithms in Distributed Computing with Perspective of Green Information Technology

- Jim Farley, “Java Distributed Computing”, O'Reilly Media

Index Terms

Computer Science Distributed Computing

Key words

Green Computing Threshold

Distributed Computing

Power Consumption

Power saving modes