Abstract

Cloud computing is a form of parallel and distributed computing that consists of interconnected and virtualized computers. Resource scheduling in cloud computing is considered to be a complex task since multiple copies of the same tasks are assigned to different computers. Bacterial foraging optimization algorithm is a global optimization algorithm for the distributed optimization and control. In this paper a bacterial foraging optimization algorithm is used for the scheduling of the resources in the cloud environment. The performance of the algorithm is measured by the use of Cloud Sim. The experimental result shows that the proposed algorithms can reduce the cost, make span and also improve the reliability.

References

- E. G. Shopova. , N. G. Vaklieva-Bancheva. 2006. BASIC –A genetic algorithm for

**Index Terms**

Computer Science  
Distributed Systems

**Keywords**

BFO  Cloud Computing  Optimization  Scheduling  Virtualization.