Abstract

SB-PSO and RSA based environment consists a lots of end user’s requests for resources simultaneously or sequentially in a dynamic environment and it is a big challenge for this environment. In this paper we propose a method: combination of both SB-PSO and Fuzzy Logic with RSA that allocates requested resources by the end user dynamically so that the available resources are fully utilized in an efficient manner. Here the Monitoring components are continuously monitored the requested resources and allocates them accordingly. Here the incoming requests are grouped together and satisfied in such a way that the maximum numbers of available resources are provisioned appropriately and our proposed approach is efficiently measured by finding the performance of resource allocation.

References

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**Index Terms**

Computer Science

Algorithms

**Keywords**

Resource provisioning, RSA, FCFS algorithm, Round-Robin algorithm, Throttled algorithm, fuzzy logic, SB-PSO, Cloud.