Abstract

Cloud computing became more popular in every field of life nowadays. This happened only due to its amazing services that provide to clients in the form of everything-as-a-service (XaaS). Where at one side cloud computing is gaining popularity and another side it faces some issues i.e. security issue, total cost issue, energy consumption issue, performance issue, QoS issue, etc. In above all challenges the quality of services is the most noticeable challenge and affects the cloud computing services. Quality of services can be improved by considering the several factors, scheduling of workload for suitable cloud computing resources one of them. If the cloud computing resources are scheduled accurately, it affects the response time of services, total cost of cloud resources, reduce the energy consumption, reduce the CO2 emission and enhance the performance of whole cloud system. In this paper, we characterize a comparative review of multi-objective workflow scheduling algorithms that are listed below.
2. Juan J. Durillo, Radu Prodan” Multi-objective workflow scheduling in Amazon EC2 " in Springer June 2014, Volume 17, Issue 2, pp 169-189
7. Atul Vikas Lakraa, Dharmendra Kumar Yadav "Multi-Objective Tasks Scheduling Algorithm for Cloud Computing Throughput Optimization"
8. MengXu, Lizhen Cui, Haiyang Wang, Yanbing Bi A Multiple QoS Constrained Scheduling Strategy of Multiple Workflows for Cloud Computing in 2009 IEEE International Symposium on Parallel and Distributed Processing with Applications

**Index Terms**

Computer Science  
Distributed Systems

**Keywords**

Cloud computing, multi-cloud computing, Grid-Computing, Multi-Objective workflow scheduling, workflow scheduling and QoS.