Cloud computing is a rising technology in distributed computing. Cloud computing is one of the latest technology. Cloud is developing day by day and focuses on many challenges one of the most important is scheduling. Main objective of scheduling algorithm is to make proper utilization of the resources. The Goal of this project is to apply the scheduling algorithm in public cloud to execute the given no of tasks within deadline and budget cost. Here PBACO algorithm is used to solve optimization problem and to achieve the global optimal path and avoid the local optima. The simulation result shows the algorithm reduces the execution time and user budget cost. The algorithm completes all task execution with Minimum makespan and minimum cost using the Cloudsim.


Index Terms

Computer Science
Distributed Computing

Keywords

Cloud computing, Scheduling algorithm, Task scheduling, deadline, budget cost.