Abstract

In recently years, the information communication technology (ICT) appeared new paradigm of utility computing called cloud computing. The consumer cloud is always important of high performance for cloud computing service and satisfy service agree level (SLA). In cloud computing, there is a need of further improvement in task scheduling algorithm to group of tasks, which will reduce the response time and enhance computing resource utilization. This grouping strategy considers the processing capacity, memory size and service type requirement of each task to realize the optimization for cloud computing environment. It also improves computation/communication ratio and utilization of available resources by grouping the user tasks before resource allocation. The experimental results were conducted in a simulation cloud computing environment by generator services and tasks request for consumer cloud. The results show that gives comparator between our strategies and improve activity based costing algorithm.
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**Index Terms**

Computer Science  
Distributed Systems

**Keywords**

Service Level Agreement (SLA)  
grid model  
Cloud Information Service (CIS)