

基于 Qos 综合满意度的云计算任务调度策略

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摘要: 如何提高调度效率成为云计算商业化发展必须要考虑的因素. 作者提出一种综合考虑用户和服务商满意度的任务调度策略, 能够有效的提高用户满意度, 降低任务成本, 提高系统资源利用率. 通过 Cloudsim 实验表明, 提出的算法总体上优于传统的 Min-Min 以及顺序执行算法.

关键词: 云计算; 任务调度; 服务质量; 满意度; 成本; 负载均衡

A Satisfaction-Based Task Scheduling in Cloud Computing

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Abstract: How to complete task scheduling efficiently, improve the satisfaction of customers and service providers, has become a major factor for the development of cloud computing commercialization. The author has put forward a task scheduling strategy which is considering the satisfaction of customers and service providers. By taking this strategy, we can increase the satisfaction of customers, decrease the cost of tasks, and improve the efficiency of system resources. The result of the simulation platform shows that the proposed strategy is generally superior to traditional min-min algorithm and sequential execution algorithm.

Key words: cloud computing; task scheduling; service quality; satisfaction; cost; Load balance

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