

# Adaptive Scheduling based on Quality of Services in Heterogeneous Environments

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## Abstract

With the emergence of grid and cloud technologies, the problem of scheduling tasks in heterogeneous distributed systems has been arousing attention. In this paper, we present two scheduling techniques for optimizing overall execution time and minimizing resource usage cost. To evaluate the effectiveness of the proposed techniques, we have implemented both techniques along with the QoS Min-Min scheduling algorithm. The experimental results show that the proposed techniques provide noticeable improvements.

Keyword : Quality of Service