

Efficient and Adaptive Load Balancing Based on Mobile Agent *

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ABSTRACT

In this paper, firstly, we analyze some problems in the traditional load balancing, such as the structure, collecting and updating load information, adjusting strategy, and the extensibility. Secondly, we propose EALBMA (Efficient and Adaptive Load Balancing based on Mobile Agent) and discuss its basic principles. Using mobile agent, which is intelligent and mobile, EALBMA can resolve these problems above well. Therefore, EALBMA can improve the performance, adaptability, and extensibility greatly. Finally, we draw the conclusion that it is reasonable and necessary to improve load balancing using mobile agent.

Keywords: EALBMA, Load Balancing, Mobile Agent, Adjust Strategy, Performance, and Adaptability.

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