Performance Evaluation of Grid using Random Scheduling

Abstract

The idea behind Grid is seamless, transparent supply of computing and data resources over the Internet when required to end users. The resource management system is the central component of a Grid system. Its basic responsibilities include accepting requests from users, matching user requests to available resources for which the user has permission to use and scheduling the matched resources. Various scheduling algorithms have been proposed in the literature. In this paper, it is proposed to evaluate the performance of one of the popular grid scheduling algorithms – Random scheduling for various scenarios.

References

- Ch. Kandagatla. Survey and taxonomy of grid resource management systems. University of Texas, Austin.
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Index Terms
Keywords

Grid computing  Scheduling algorithms  Random Scheduling  Performance Evaluation