Grid Computing has emerged as an important new field focusing on resource sharing. One of the most challenging issues in Grid Computing is efficient scheduling of tasks. Load Balancing is a technique to improve parallelism, utilization of resources increasing throughput managing and to reduce response time through proper distribution of the tasks. Generally there are three type of phases related to Load balancing i.e. Information Collection, Decision Making, Data Migration. In this paper, we propose a Load balancing algorithm for optimal scheduling. It scheduled the task by minimum completion time and rescheduled by waiting time of each task to obtain load balance. This algorithm scheme tries to provide optimal solution so that it reduces the execution time and expected price for the execution of all the jobs in the grid system is minimized. Load balancing algorithms is of two types, static and dynamic. Our algorithms in this paper based on dynamic nature.

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Index Terms

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Keywords
