Abstract

Application areas of multi-cluster grid are increasing day by day because of the seamless and scalable access to wide-area distributed resources in grid environment. Multi-cluster grid allows sharing, selection, and aggregates of geographically resources over heterogeneous and distributed locations. But some issues arise in multi-cluster grid due to its environment. Scheduling a job on the most suitable computational resource of the grid is one of the most important issues in grid environment. To handle this issue a new approach of scheduling is proposed in this paper which is based on priority of completion deadline of the jobs because some time the job execution have an importance only when it complete under the deadline define by the user on the basis of working circumstances as a real time scenario, which helps scheduling of jobs on computational environment of multi-cluster grid in very effective manner.

**Index Terms**

Computer Science

Information Sciences

**Keywords**

Multi Cluster Grid, Completion Deadline, Grid environment, Job Scheduling, Scheduling Algorithm