High Performance Hypercube for Better Resource Discovery and Allocation in Simulated Grid based Environment

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Abstract

Grid is basically comes under the distributed computing where number of nodes together to share resources, data, services, computational power to solve the problem. The main objective of our research work is to identify the factors of the grid resource discovery and allocations strategies like resource availability, network bandwidth, pending users, thread capability and storage capability. Based on the factors the weight age of the nodes will be evaluated. The main aim of this research to find out the resource availability in hypercube based clusters and allocation of request to the appropriate alive node using hypercube algorithm and then compare with least cost method.

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Index Terms

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Keywords

Allocation  Cluster  Least cost method  Resource Discovery