

QoS Based Parallel File Transfer for Grid Economics

許慶賢, Tai-Lung Chen, Kun-Ho Lee

Computer Science & Information Engineering

Computer Science and Informatics

chh@chu.edu.tw

Abstract

There are many research make use of grid computing to solve large-scale problems and produced at a tremendous velocity and volume from scientific experiments in the fields of high energy physics, molecular docking, computer micro-tomography and many others. Distribute fairly available resources is one of the problem in grid computing and economy model is a way to solve those problems about distribute resources. In the short term future, the grid will be implemented into enterprises and even the commodity. This paper provided QoS based parallel file transfer on grid economy to cater customers' requirement. The proposed algorithms found out that best resources to transfer the requested data; decided the size of each replica should be transferred; estimate time and cost to accommodate the requirement.

Keyword : QoS