URN etd-0407109-183721-1751
Author Chin-Lung Peng
Author's Email Address No Public.
Statistics This thesis had been viewed 71 times. Download 0 times.
Department
Year 2006
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title A High-Performance Grid Computing System Based on Workflow
Date of Defense 0000-00-00
Page Count 62

Keyword
Workflow
Grid
Maximum Independent Set
NP-Complete

Abstract
Grid systems are able to consolidate resources between organizations to share what partners compute, store, and other resources through high-speed network to foster computation. Task dispatch and resource allocation are the most important topics among issues of grid computation. Therefore, this thesis proposes a workflow framework which takes advantage of automation of workflow to combine task dispatch and resource allocation. By the workflow framework this paper presented, an implementation of solving NP-complete problem is given to attack the Maximum Independent Set requiring massive computation resources.
Advisory Committee Yi-Hsing Chang - advisor

Files No Any Full Text File.
Date of Submission 2007-08-21