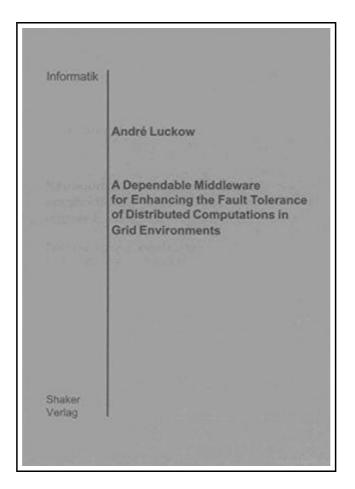
A Dependable Middleware for Enhancing the Fault Tolerance of Distributed Computations in Grid Environments



Filesize: 5.49 MB

Reviews

This pdf can be worthy of a read, and much better than other. I am quite late in start reading this one, but better then never. Its been printed in an remarkably easy way which is merely following i finished reading this book by which basically changed me, alter the way i think. (Nedra Kiehn)

A DEPENDABLE MIDDLEWARE FOR ENHANCING THE FAULT TOLERANCE OF DISTRIBUTED COMPUTATIONS IN GRID ENVIRONMENTS



Shaker Verlag Mai 2010, 2010. Buch. Book Condition: Neu. 21x14.8x cm. Neuware - Grid computing envisions the sharing of compute, storage, network and software resources across multi-institutional virtual organizations (VOs) to provide more effective solutions for important scientific, engineering and business problems. With the advancing penetration of Grid infrastructures in science and in industry, issues of fault tolerance and self-healing are becoming tremendously important. The more resources and components involved, the more complicated and error-prone becomes the system. In particular for long-running applications high failure rates are a major concern. Many scientific applications require to run for days or weeks. For example, a simulation of gamma-ray bursts, an astrophysical phenomena, requires over 100 days ofruntime on an one PFlop/s machine. Running such an application requires a large supercomputer or a Grid. Unfortunately, these systems are very error-prone. A single node failure usually leads to the abort of the entire application. Thus, efficient support for fault tolerance is essential. The Migol middleware, which is the main contribution of this thesis, addresses the fault tolerance of long-running applications as found in many sciences, e. g. in astrophysics or life sciences. Migol supports applications in performing complex tasks such as resource allocation, monitoring, checkpointing and, if necessary, recoveries. 238 pp. Englisch.

Read A Dependable Middleware for Enhancing the Fault Tolerance of Distributed Computations in Grid Environments Online

Download PDF A Dependable Middleware for Enhancing the Fault Tolerance of Distributed Computations in Grid Environments

Related PDFs

\rightarrow	

Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers... Read ePub »

\rightarrow	

How to Make a Free Website for Kids (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Table of Contents Preface Chapter # 1: Benefits of Having a Website Chapter... Read ePub »

Read ePub



Have You Locked the Castle Gate?

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal...

Read ePub »



The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book...

Read ePub »



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and...

Read ePub »