Abstract

The Grid technology is flowing into large scale service oriented architecture-- a universal podium for delivering future high demand computational services. The management of resources and requests scheduling in this big range distributed environment is a complicated job, no contemplation may result in efficiency deprivation in a Grid environment and may possibly bring about big handling queues and task running delays. This paper outlines a simple and straight forward approach to incrementally maintain the area of Grid technology addressing challenges related to the problem of maintaining a Grid wide view of Grid user's resource utilization. To remain flexible this paper presents a SOA-Based RIADA (Resource Intensive and Data Aware) approach for providing a basis for more efficient and user friendlier management of resources and resource scheduling techniques in a future Grid offering a rich blend of diverse applications.
- Manikandan. T., Thamizharasi, M., Chitra, R. Distributed Heterogeneous Data Management in Grid Computing.
- Ian, F., Carl, K., Steven, T. The Anatomy of the Grid Enabling Scalable Virtual Organizations.
- Chervenak, A., Ian, F., Carl. K., Salisbury, C.,Tuecke, S. The data Grid: Towards an architecture for the distributed management and analysis of large scientific datasets.
- European Data Grid Project: http://eu-dataGrid. web.cern.ch/eu-dataGrid/
- Globus Alliance (2005), Globus Toolkit 4. 0 (GT4). http://www-unix.globus.org/toolkit/docs/4. 0/GT4Facts/.
A SOA-based Resource Intensive and Data Aware (RIADA) Approach for Grid Computing

org/research/papers/ogsa.pdf.

Index Terms

Computer Science
Information Sciences

Keywords

Grid technology  Data Intensive Scheduling Techniques  Resources Management