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 friendly management of resources and resource scheduling techniques in a future Grid offering a rich blend of diverse applications.
A SOA-based Resource Intensive and Data Aware (RIADA) Approach for Grid Computing

- 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


Index Terms

Computer Science

Information Sciences

Keywords

Grid technology  Data Intensive Scheduling Techniques  Resources Management