A SOA-based Resource Intensive and Data Aware (RIADA) Approach for Grid Computing

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 straightforward 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.
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Index Terms

Computer Science

Information Sciences

Keywords

Grid technology Data Intensive Scheduling Techniques Resources Management