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 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.

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Index Terms

Computer Science  Information Sciences

Keywords

Grid technology  Data Intensive Scheduling Techniques  Resources Management