



RESEARCH ARTICLE

Scheduling Algorithms in Web Servers Clusters

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Abstract—Scheduling of jobs in web cluster of servers is a major research activity in Distributed Computing System (DCS). A key issue in server load balancing in a DCS is to select an effective load balancing scheme to distribute clients' requests to the servers. This paper considers weighted round robin, shortest queue and diffusive load balancing policies. Performance of each of these policies was analyzed and compared. In this paper, we have investigated the problem of server load balancing and evaluated various server load balancing policies. The objective is to identify the techniques that produce good overall system performance.

Keywords— Server Cluster, Scheduler; Load Balancing; Distributed Systems; Round Robin Algorithm; Diffusive Policy
