

AN EFFICIENT APPROACH FOR JOB SCHEDULING IN CLOUD COMPUTING

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ABSTRACT

Cloud computing means computing over a network, where a program or applications may run on many connected computers at the same time. With the help of cloud computing, we can access several applications from different computers that are located at any other location. Job scheduling is one of the major issues in cloud computing. Many researchers are doing in-depth analyses of all possible scheduling algorithms which can give better results in terms of response time and overall efficiency of the system. In cloud computing environments, scheduling in virtual machines is required for the execution of the job. Here we suggest a new scheduling algorithm that efficiently utilizes the resources of virtual machines and gives better results in cloud environments. This algorithm first properly analyses the resources of all virtual machines and then send job to that virtual machine which is most suitable for that job and also allows maximum number of jobs for execution.

KEYWORDS: Cloud Computing, Scheduling, Jobs, Algorithms