The Scheduler Works in Cloud Computing in Genetic Algorithm

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Today, cloud computing has a great reputation. The on-demand cloud computing users can increase or decrease the use of its resources. In other words cloud environment, pay to use. In the cloud, providers and users want most to gain their own resources also want to minimize your costs at the same time, they need to also earn performance. Scheduling, choose the best source to spread the load on the CPU and maximum utilization of resources based on the needs and characteristics of the portfolio, while the response time, completing each task and also provide a minimum service charge. In cloud computing resources such as memory and processor use and is a challenge. For this reason, one of the most important issues in cloud computing, scheduling tasks for processing by resources in the cloud as a core issue in the achieve high performance cloud computing system has been proposed. This is because having a large search space is difficult to solve the problem in more than random search methods are used. So how job scheduling, an important issue that has a direct impact on the performance and quality of service rendered. Yhynh a scheduler to run tasks specified resources and expertise so that more jobs can be processed in less time. Genetic Algorithm scope is very broad and growing every day with advances in science and technology optimization and problem solving using this method is very spread. Genetic algorithms can be called a global search method that mimics the natural laws of biological evolution. Genetic algorithms on a set of answers is hoping to get better results is to apply the law of survival of the fittest. To evaluate the proposed method explained in the CPU Scheduler is used to data collection. This data set contains 50 different job and when it needs to run for each task, the time of receipt and priorities it has identified. Total time required CPU in this data set is 1531. Evaluation was done on time completion of work is changing and efficiency of the proposed method and completion time is compared to minimize the time of completion of the work. To evaluate the proposed method of Matlab is used.

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