

New Heuristic Algorithms for Task Scheduling in Hypervisor Layer of Cloud Computing

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Received: 05 Jan 2017
Accepted: 30 Jul 2017

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Abstract

In this paper, firstly we study cloud computing and general methods for task scheduling. We explain the different policies and techniques for scheduling and compare all research before at now for cloud scheduling. Secondly, we proposed three heuristic scheduling algorithms, which optimized cost ratio of cloud networks by increase the waiting of task in the schedule queue. Thirty, we have implemented our method as an optimization algorithm, by Java languages and CloudSim library and report their experimental results.

Keywords: Task scheduling, cloud computing, hypervisor, optimization,



Citation: Parsa, N., Farhoudi-Nejad, A., Faraahi, A., (2017). New Heuristic Algorithms for Task Scheduling in Hypervisor Layer of Cloud Computing, *Int. J. of Comp. & Info. Tech. (IJOCIT)*, 5(3): 169-180.

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