

عنوان مقاله:

A Way For Proposing Dynamic Load Balancing Algorithm to Resource Allocation in the Cloud DataCenter

محل انتشار:

پنجمین کنفرانس بین المللی مهندسی برق و کامپیوتر با تاکید بر دانش بومی (سال: 1396)

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خلاصه مقاله:

Cloud computing is an important technology in order to comprehensive share and access to a series of resources without the need to interfere with developing services providers. The important issue about cloud computing, which is also very much considered today, is the load balancing and resource allocation, which has been considered in this essay. Issues such as load balancing in cloud data centers, speed improvement, migration between servers, efficiency and performance, management, and agreements of service level, appropriate scalability, energy consumption reduction, and so on are among challenges of this area. The purpose of this essay is to examine and balance the load in cloud data centers in such a way that this operation causes to improve the quality of services in the cloud environment. Migrating between existing servers can affect the system's performance and efficiency, but the drop and loss of efficiency can be prevented by providing an optimal method that has been raised in this research. Based on the performed evaluation, the method presented in this essay, compared to other methods, has been caused to reduce energy consumption and improve power of consumption, which will lead to improve the quality of the final service and the proper balancing of load, and can meet the needs of users in using the cloud and its services.

کلمات کلیدی:

load balancing, resource allocation, cloud computing

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