

## عنوان مقاله:

Resourc Manegment in Cloud Computing based on Virtual Machines Immigration Delay

## محل انتشار:

کنفرانس بین المللی پژوهش در علوم و تکنولوژی (سال: 1394)

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## خلاصه مقاله:

Nowadays, Cloud computing due to easy access and providing low-cost services has earned a special place in the world of IT. With public attention to it, energy consumption emerged as a major challenge for cloud providers. In this paper, by the use of virtualization of data centers approach and virtual machines consolidation, we try to optimize resource allocation and subsequently, reduce energy consumption and improving QoS satisfaction by reducing of virtual machines migration. There is tradeoff between energy consumption and service level agreement violation (SLAV) in optimization process. Based on virtual machines transfer delay, we propose a new method for selecting candidate underloaded hosts which prevents unnecessary immigrations. Simulation results show that proposed method based on reduction of long time immigrations, not only support delay sensitive services but improve service level agreement violation considerably while its energy consumption increment is marginal and can be neglected

## کلمات کلیدی:

Cloud Computing, Resource Allocation, Virtual Machine, Underloaded Host, Service Level Agreement Violation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/446459>

