عنوان فارسی مقاله:

الگوریتم زمانبندی گردش کار محدود به مهلت برای منابع CCA:

چند هسته ای روي ابر

عنوان انگلیسی مقاله:

CCA: a deadline-constrained workflow scheduling algorithm for multicore resources on the cloud

توجه!

این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک نمایید.
7 Conclusion and future works

The present paper proposes a new workflow scheduling algorithm on the IaaS cloud which makes use of available multicore processing resources. The main goal of the proposed method is to reduce monetary costs while not passing the user-defined deadline. The main difference between the proposed algorithm and previous similar studies is that the present work utilizes a flexible scoring approach to combine the available clusters in the workflow. This scoring considers different criteria when combining clusters, such as leasing cost, makespan, and resource utilization. The scoring function is adjusted in such a way that the cluster combinations reduce workflow costs while not passing the user-defined deadline. In cases where the workflow makespan does not meet the deadline, the current method attempts to reduce the makespan by leasing processing resources with a higher number of cores and so undertakes larger free time gaps in the schedule map.