

عنوان مقاله:

An SLA Negotiation Strategy for Scheduling in Grid

محل انتشار:

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خلاصه مقاله:

In this paper, we have proposed an efficient job scheduling strategy using multi-agent systems and service level agreements (SLAs), in which user and resource provider agent bargain with each other based on Alternating Offers Protocol. Software agents communicate and autonomously make negotiation decisions on behalf of their human users. SLAs are used to establish agreements for ensuring the user's QoS requirements are met, and the provider utilizes its own resources efficiently. We aim to investigate the computational intensive applications. To this end, we have considered a concurrent bilateral negotiation where multiple users and providers are able to participate in process to achieve their goals. The effectiveness of this approach is evaluated by simulations on GridSim toolkit and Grid workload traces

کلمات کلیدی:

Computational Grid, Job Scheduling, Negotiation, Service Level Agreement

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