Abstract

Grid and Cloud Computing allow the user to execute applications on a third-party infrastructure by paying for the access to the remote resources. Scheduling and resource management is an important aspect for effective execution of an application. This paper addresses various auction based scheduling in grid and cloud environments. To optimize the user centric and provider centric objectives the market based auction models are used. An auction is an economic mechanism for allocating the resources among a group of users. The benefits achieved by the resource users and resource providers are different for various auction models. This paper shows that Continuous Double Auction model is efficient and favour for both resource users and resource providers.

References

Survey on Auction based Scheduling in Grid and Cloud Environment


Index Terms

Computer Science Information Sciences

Keywords

Resource Management Double Auction Scheduling Market Model Grid/Cloud computing