Abstract

The quest for developing computer architectures in terms of accuracy, efficiency and cost is unending to tackle a very large-scale system, that have a performance problem, using the parallel processing. The mature technology of the mobile agents is gaining more momentum to be adopted with the parallel processing over a grid computing in contrast to the traditional parallel applications, that base on either a dedicated hardware or software. In this paper, the mobile agents technology was proposed as a new approach to achieve a grid computing-based parallel processing for Windows 7 password recovery problem by using the brute-force procedure and realizing how the mobile agents technology can be used to execute complicated applications from the High performance computation community. In this work a weak migration in intra-platform mobile agent was used. The experimental results demonstrate the computational power of the proposed system.

References


Index Terms

Computer Science Security

Keywords

HPC, Mobile agent, Parallel Processing, password recovery problem.