Survey Study of Virtual Machine Migration Techniques in Cloud Computing

Abstract

Migration of virtual machine is one of the most important features in virtual machine technology. It involves moving a VM from a physical host to another, facilitating balancing load, utilization of resource and reducing energy consumption. The goal of this paper is to present a survey of the main types of virtual machine live migration, their classifications and a comparative study of these techniques in a particular class. It also discusses the algorithms used in virtual machine migration.

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Index Terms

Computer Science Distributed Systems

Keywords

Hypervisors, Virtual Machines, Live Migration, Pre-Copy, Post-Copy, virtual machine migration