Abstract

We are living in two worlds one where we physically present and one where we virtually present and that virtual world is nothing but an internet world. We spent lot of time on internet and our maximum work is on internet such as banking, business, and government work. Cloud Computing is the future of this world. Cloud computing is internet based computing technology. Virtual machine is the core element of this computing technology. In the data center many virtual machines present which satisfy the user request and their requirements. To efficiently satisfying the user need and uninterrupted services some time virtual machine needs to be migrated from one data center to another data center or from one host to another host within the data center. There are many algorithms for virtual machine migration which are based on different parameters and conditions. This paper comprises all such algorithms with their merits and demerits and also a comparative study of these algorithms.


3. Bo Hu, Member, IEEE, Shanzhi Chen, Senior Member, IEEE, Jianye Chen, Zhangfeng Hu, “A Mobility-Oriented Scheme for Virtual Machine Migration in Cloud Data Center Network”, “National Natural Science Foundation of China for Distinguished Young Scholar under Grant 61425012”.


19. NIST White paper.

Index Terms

Computer Science

Information Systems

Keywords

Cloud computing, virtual machine, virtual machine migration, hypervisor, virtual machine monitor, data center.