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RESEARCH ARTICLE

Enhanced Live Migration of Virtual Machine Using Comparison of Modified and Unmodified Pages

Sushil Kumar Soni[1], Ravi Kant Kapoor[2]

[1]Computer Technology & Applications, India

[2]Associate Professor, Computer Engineering & Application, India

[1] rec.sushil21@yahoo.com; [2] rkkapoor@nitttrbpl.ac.in

Abstract— Now a days cloud computing is one of the fast growing technology in the field of computer science and information technology because of online, cheap and pay as use scheme. The cloud computing is mainly a business-oriented model to provide on demand computing resource. It has become popular in short time because of its attractive services like easy to use, pay as use and accessibility of its services throughout the world ~~etc~~. The cloud computing concept is motivated by the idea that information processing can be public utility and can be done more efficiently on large farms of computing resources and storage systems with the availability of all time throughout the world accessible via the Internet. Virtual machine migration is one of the crucial activities that are carried out in cloud management. In this paper, we have proposed a model to remove some overhead in migration approach to increase its efficiency. The model is implemented and tested using simulator and results are compared with the contemporary approaches of migration.

Keywords— VM migration; live migration; Virtualization; Cloud; Data Canter; Data-Broker

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