IMPACT: International Journal of Research in Engineering & Technology (IMPACT: IJRET)
ISSN(E): 2321-8843; ISSN(P): 2347-4599
Vol. 4, Issue 5, May 2016, 73-76

REDUCING DOWNTIME OF VIRTUAL MACHINES MIGRATION USING CLOUD CACHES EFFICIENT MIGRATION OF VMs WITH 99% REDUCED DOWNTIME

AMARDEEP SINGH, SHARANJIT SINGH, SHRUTI SHARMA, RAMANPREETKAUR & SANDEEP SINGH

Department of Computer Science and Electronic Engineering,

Guru Nanak Dev University (G. N. D. U.) Amritsar, Punjab, India

ABSTRACT

There are various reasons behind migration of virtual machines running on one host to another due to of maintenance of the server, Load Balancing, to maintain SLA agreement or website migration. While these situations happens we require to transfer the data of VM from one host to another. There are two Techniques which are commonly used to migrate virtual machines between two physical serveri.e Pre-Copy and Post Copy with their advantages and disadvantages. In pre-copy while migration there is downtime occurs to redirect the traffic from one physical server to another. we present new idea to reduce the approximately 99% of downtime while transfer Virtual machine from one host to another by using the cloud caches technique. After implementing this technique we can reduce the most of downtime of the live virtual machine.

KEYWORDS: VM Migration, Downtime, Migration Time