

LOAD BALANCING TECHNIQUES: ESSENTIALS, ISSUES AND MAJOR CHALLENGES IN CLOUD ENVIRONMENT - A METICULOUS REVIEW

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ABSTRACT

A revelation of cloud computing carries immense opportunities to entertain virtual resources at moderate cost without be obliged to possessing any kind of infrastructure. Cloud data centres consisting of heterogeneous servers treating multiple virtual machines having various specifications and variations of resource usages, which may provoke imbalanced resource utilization within servers that may be result into performance mortification. Load balancing is a methodology to distribute workload across multiple computers to gain maximum profits by optimal resource utilization. This paper presents a review of a few load balancing techniques in cloud computing. By investigation of such techniques with their innumerable repays, limitations and issues a new and competent practice for Load Balancing is instigated in future.

KEYWORDS: Fault Tolerant, Job Migration, Load Balancer, Virtual Machine (VM)