



International Journal on Recent Researches In Science, Engineering & Technology

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ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

Volume 2, Issue 2,
February 2014

DIIF IF :1.46
SJIF IF: 1.329

Virtual Machines And Cloud In Dynamic Resources

B. Sai Suganya and S.Athinarayanan

Abstract - Cloud computing allows business customers to scale up and down their resource usage based on needs. Many of the touted gains in the cloud model come from resource multiplexing through virtualization technology. In this system uses virtualization technology to allocate data center resources dynamically based on application demands and support green computing by optimizing the number of servers in use. It introduces the concept of “skewness” to measure the unevenness in the multidimensional resource utilization of a server. By minimizing skewness, it can combine different types of workloads nicely and improve the overall utilization of server resources. It should develop a set of heuristics that prevent overload in the system effectively while saving energy used. Trace driven simulation and experiment results demonstrate that in the algorithm achieves good performance.