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RESEARCH ARTICLE

Dynamic Round Robin for Load Balancing in a Cloud Computing

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Abstract— Most of the load balancing works in Cloud computing is carried out under homogenous resources. But today's requirement has been diversified with the ever increasing heterogeneity of resources in the cloud resources. Our endeavour in this paper is to study the effect of Round robin technique with dynamic approach by varying the vital parameters of host bandwidth, cloudlet long length, VM image size and VM bandwidth. Load has optimized by setting dynamic round robin by proportionately varying all these parameters. Simulator CloudSim has been used for this implementation and a new approach has also been worked out.

Key Terms: - Load balancing; Round robin; CloudSim; Datacenter; Virtual Machines (VM)

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