Improves load balancing algorithms a data centers by Software-defined networking (SDN)

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ABSTRACT In the today's modern age the usage of computer network has been increasing tremendously. Hence high network traffic which requires many services such as DNS to control. To solve this load balancing are being used. But dedicated load balancers are expensive and quickly become a single point of failure and congestion. But this can be improved for better working. In my approach software defined network using OpenFlow protocol was implemented to improve the efficiency. In the Future Internet, Software-Defined Network (SDN) is seen as one of the most promising paradigm. By using this technique the network becomes directly programmable and agile. Here the http requests different clients will be directed to different pre-defined http servers based on round robin scheduling. Round robin scheduling is easy to implement and are best to be used in geographically distributed web servers.

Keywords : Load balancing , Software defined networking, OpenFlow , round robin , Controller .