Abstract

In today's modern age the usage of internet 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 from 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.

References

- Richard Wang, Dana Butnariu, and Jennifer Rexford. OpenFlow-Based Server Load Balancing Gone Wild. Princeton University; Princeton, NJ
- Zdravko Bozakov and Amr Rizk, 2013 Taming SDN Controllers in Heterogeneous Hardware Environments. Leibniz Universit"atr Hannover, Germany.
- Junjie Zhang; Kang Xi; Min Luo; Chao, H. J. Load balancing for multiple traffic matrices using SDN hybrid routing.
- Felipe Alencar, Marcelo Santos, Matheus Santana, Stenio Fernandes, How Software Aging Affects SDN: A View on the Controllers. Universidade Federal de Pernambuco (UFPE) Recife, Brazil.
- Zhihao Shang, Wenbo Chen, Qiang Ma, Bin WU. Design and implementation of server cluster dynamic load balancing based on OpenFlow. Lanzhou University Communication Network Center Lanzhou,China.

Index Terms

Computer Science, Networks
Keywords
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