

ABSTRACT

In this Digital's era, especially Internet applications such as http service has become part of daily life. The content of web service has a variety that make society can accessing everytime. Along with the growing public knowledge of the internet, can cause the load traffic increase. Mean while the society wants maximum availability on web service.

In this situation, we need a system that able to undertake the distribution of traffic load. One of those method is using load balancing system, in purpose that incoming request didnt become responsibility of single server only and also to improve the performance on web service in order to avoid overload request. Load balancer that used in this final project is Linux Virtual Server

From the research that has done can be seen that the system of load balancing using Linux Virtual Server (LVS) can meet the reliability of the server. The CPU Utilization of the server is decreasing approximately 27 % after the load balancing implemented, because of the load from user request is no longer serviced by a single server but the traffic goes to two servers. In this research result, the best algorithm for load balancing is round robin when there are same hardware as resources.

Keyword : Load Balancing, Linux Virtual Server, HTTP