ABSTRACT

Content Delivery Networks (CDN) is basically a technique of data distribution using proxy networks which are deployed near client's location. There are two main components in CDN in this project, namely Original Server and Proxy Cache Server. The Original server works as the web and DNS service provider. On the DNS service, split view method is applied, which permitting DNS to answer query with different domain information based on client's IP address. The DNS uses this method to redirect client's access to the nearest proxy cache server on its location. The Proxy Cache Server itself works as the edge node of the Original Server. Its main functions are to serve client's access which is redirected from the original server, and to cache web contents the client accessed. The application of CDN technique is able to increase quality of web service by balancing the server load on web server and reducing traffic between client and server.

Keywords: Content Delivery Networks, DNS, Split View, Proxy Cache Server