Abstract

Imin a few this decades, the developing of networks is improved rapidly. The main is now about web application improved rapidly too, with usefuly, size, and complexity. User with some request especially website content want to that service can deliver to client is fast and with right content. Access speed which want to user is fast. Mainly commersil website with high hits like www.amazon.com, www.youtube.com etc.

The using request routing mechanism with Application-layer and DNS based is one of solution at CDN. Mainly application-layer with used can seen with real time process which mechanism process at request redirecting to selected server replica. The use from DNS based can not make redirecting process with real time process because of recomended from DNS protokol that DNS based request routing not recomended to update with real time process.

In performance this mechanism with firewall and bandwith we can see with some different with level concurent. With different level concurent ratio value like we use two computer have RTT value 56% lower than first concurent and concurent with two computer have RTT value 58% lower than with third concurent, and with bandwith different cause delay values more high because high value RTT and because we can see ratio value is concurent with one client is 24,13% more fast than concurent with two client

Keywords: CDN, request routing, DNS based and Application-layer