

ABSTRACT

Cyber world has influenced many aspects . Almost all fields require information quickly and accurately . Internet is the answer . The world of internet in today's era of globalization has been highly developed. Anyone , anytime, anywhere , the internet can be accessed by us with adequately requirement tools and connections.

In accessing a web page , it means there are two ways of relationship between one computer (as client) with other computer (as a server) which means there are many things that played an active role , ranging from tools , connections , up to how good the quality of these two things. One of the components that should be contained in a computer server is a web server . The good performance of the web server will also affect the quality of two ways of relationship between client and server computer.

Based on previous exposure , it would be required a high-performance web server so that two ways of connection between the client and the server is running well . So that an analysis that support a High Performance Web Server is needed . From literature, the web server that meets these criteria is Nginx.

In this research will be tested how the composition of Nginx configuration is able to realize the creation of a High Performance Web Servers . Nginx has standard configuration (default) to perform its functions , but to improve its performance , nginx configuration can be set so that it is able to improve the performance of which is called tuning configuration .

At standard conditions (default) and tuning , load testing machine related , network density , the number of simultaneous connections and the response time and it has concluded that tuning configuration is better than default configuration despite the saturation point at a particular tuning configuration due to limited hardware capabilities and configurations used.