

ABSTRACT

The rapidly growing technology, more and more are also emerging companies engaged in the field of cloud computing. There are several companies engaged in the field of cloud computing has a very limited number of hosts that make the development of infrastructure resources are not optimal. This can happen because not all companies have the capital or the cost sufficient to build adequate infrastructure resources. Virtualization is a technology used almost by all companies engaged in the field of cloud computing. In addition to saving the cost of building cloud infrastructure, using virtualization technology, companies can accommodate the number of hosts that require infrastructure resources. The virtual machine used is the docker as a container to build. With each host's docker can connect using multi-host system. This infrastructure is also equipped with database server as a place to store data, web server to input and display data, and multi dns to translate domain to ip address, but when dns master die then there are still dns that replace it. With this system can support a company engaged in cloud computing that has insufficient infrastructure resources because of capital that can not be overcome.

Keywords: Docker, Multi Host, Multi DNS