
ABSTRACT

The growing information needs in the modern era will increasingly to an improvement in the quality and convenience of the user with one another to interact on a computer network. In a computer network there should be a server that can manage the network to a computer network can be run properly. Given the importance of a server in a computer network so a admin should know the condition on the network, and can provide solutions when in an impaired network.

With SMS gateway application system, admin can know the connection is still connected with LAN or not in server. Admin can also update the routing to connect a network with other networks using SMS gateway system. If it turns out the process of routing failures due to lost network connections. To do routing admin needs a router that is used for the routing process, one form of the router is a router PC is a PC used as a router. After doing the routing, administrator can perform ping and traceroute commands to ensure the results of routing updates that have been previously sent via sms. Servers and networks are built using Linux Ubuntu 10:04 (Lucid Lynx).

From the results of testing and analysis we can conclude that the server has been running well for their intended making of this final project, smallest delay of the testing server is 29,65 second, with Three SIM card at 02.00 – 03.00 AM. Biggest delay of the system is 31,55 second with Three SIM card at 12.00-13.00 PM.

Keywords: SMS Gateway, PC Router, Ubuntu, Gammu,