

## ABSTRACT

The need for a server residing in a computer network has a very important role. The server is a computer that is functionalized with a very heavy task, because it serves all the activities of the client and workstation. For a server that is in desperate need of a hardware specification and software are adequate to maximize the function. When the server to crash on the NIC it would also disrupted activities on the network because a failure on the server function NICnya system. Bonding Interface Project is one solution to address the problem. Called the bonding interface because it uses two interfaces attached to a server and connected to the same network.

Design based on the bonding interface is based on linux, ubuntu linux operating system used on the construction of a server 11.04 and two network interface card to build a similar network to the server. Bonding interface can be used when the fail over. If one interface fails, the kernel will automatically transfer to another interface so the server will continue running.

With the bonding interface, the development of a network to a server would be more efficient and no break system, because the server is a network interface that provides all services to the client. server capable of switching the channel bonding interface according to the configuration, serving 4 client together and achieve 99% reliability. In addition, the bonding interface will be the solution for the administrator to great savings in building a network to minimize the backup server and the server down.

**Keywords: Bonding Interface, Server, Ubuntu**