

ABSTRACT

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Title : IMPELENTATION LOAD BALANCING AND
FAILOVER TO DEVICE ROUTER MICROTIC
USING NTH METHODH.

The development of computer networks and internet so rapidly at the present time, particularly on the Internet as information media of course must have good connection quality. So also found on the PT.Gojek Indonesian who has used two ISP. When many requests from users, the network devices will be burdened because they have to do a lot of service processes for requests from users. The solution is to divide the traffic load that comes to network devices, so that it is not centered on one ISP so that traffic can run optimally, maximize throughput, minimize response time and avoid overloading one of the connection lines, that technology is called Load balancing. Load balancing techniques are applied to distribute the load against a service that is on the server by utilizing the two connection path distribution method called the Nth method. Later, the proxy hopes to be able to optimize the bandwidth for each client that will connect to the internet. Will also be implemented failover technique on this network, that is if one of the gateway connections is being interrupted then the other gateway will automatically support all network traffic. Will also create bandwidth management for all clients, so that bandwidth distribution is evenly distributed.

Key words:

internet service provider, load balancing, failover, nth method

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