

ABSTRACT

Nowaday, the need of packet data is higher that make ISP must meet the expectation to manage the QOS without reduce network performance. The problem in ISP can be analogous to the problem in virtual private server (VPS) in the small scope.

One of the solution to maintain network performance is to implement redundant system at the IP interface, so whenever the interface down, the data address can be moved to the available standby interface. So, the network connection is always available. This redundant technique at the IP interface is the fitur of IP Multipath (IPMP). IPMP can also be used as load-sharing to increase the throughput.

The result of IPMP implementation in Solaris VPS is IPMP can maintain network performance when the failover happened, that is the reduction of throughput not higher than 5%. The throughput quality increases more than 10% due to load-sharing fitur.

Keywords: Virtual Private Server, IP Multipath, Redundant, Load-Sharing