

8. Port Mirroring Function

Port Mirroring is a network debugging and administration feature. The feature can help the network manager to determine the location of a problem and monitor the traffic on network efficiently. Port Mirroring, is configured by assigning these ports which aggregate all traffic on these ports to the mirror port. Finally, when the process is started, all frames bound for or sourced from the selected source (mirrored) port will be sent to the selected destination (mirroring) port. In Figure 11-1, traffic from one or more network ports is switched through the backplane to its normal destination port and a copy to the mirroring port. The LAN port-mirroring page can be used to configure the selection of ports to be mirrored as in Figure 8-2.

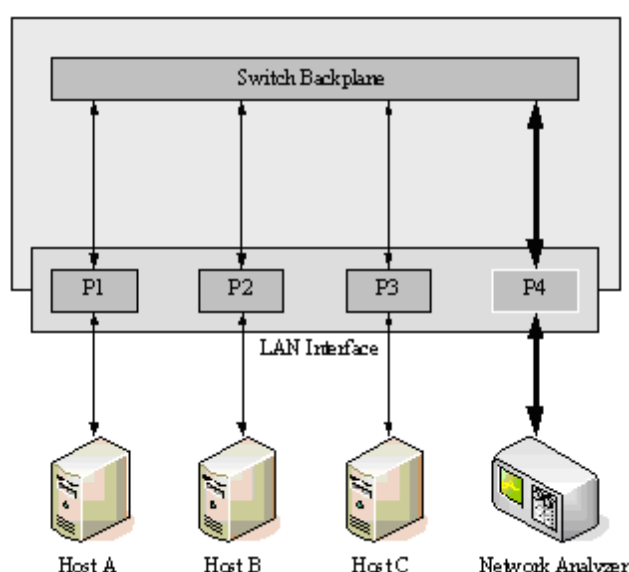


Figure 8-1. LAN Port mirroring

There are three hosts – A, B and C which are connected to P1, P2 and P3 in LAN ports. In the P4, we setup a monitoring tool like as Network Analyzer. The purpose is to get and monitor all packets accessing in P1, P2 and P3.

In this case, we need to select Port 4 as a Mirroring Port, and choose the other ports as Mirrored ports. Please refer to the settings in Figure 8-2.

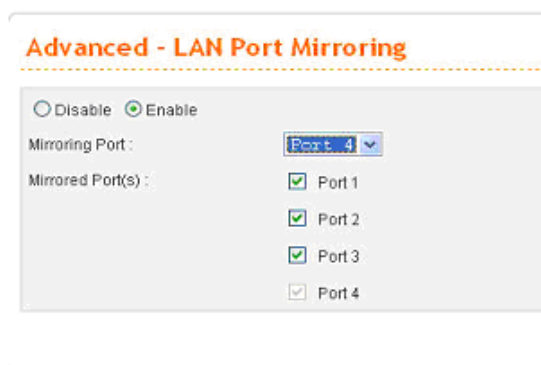


Figure 8-2. LAN Port Mirroring setting

