Configuring Port Monitoring on a Brocade ICX Switch

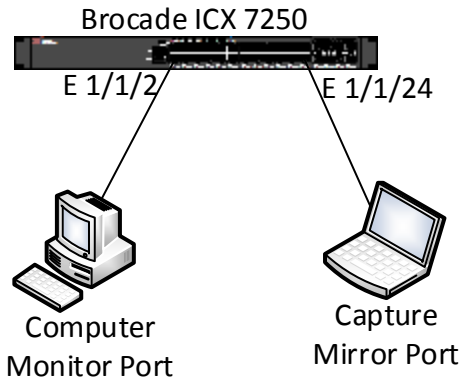
Port mirroring and monitoring overview

Port mirroring is a method of monitoring network traffic that forwards a copy of each incoming or outgoing packet from one port on a network switch to another port where the packet can be analyzed. Port mirroring can be used as a diagnostic tool or debugging feature, especially for preventing attacks.

You can configure port mirroring, by assigning a port (known as the monitor port), from which the packets are copied and sent to a destination port (known as the mirror port). All packets received on the monitor port or issued from it, are forwarded to the mirror port. You next attach a protocol analyzer (such as Wireshark) on the mirror port. The analyzer captures and evaluates the data without affecting the client on the monitor port.

Port mirroring and monitoring configuration

Figure 1:



1. To configure port monitoring, first specify the mirror port, then enable monitoring on the monitor port.

```
SSH@LAB-7250#config t
SSH@LAB-7250(config)#mirror-port ethernet 1/1/24
SSH@LAB-7250(config)#interface e 1/1/2
SSH@LAB-7250(config-if-e1000-1/1/2)#monitor ethernet 1/1/24 both
SSH@LAB-7250(config-if-e1000-1/1/2)#
SSH@LAB-7250(config-if-e1000-1/1/2)#
SSH@LAB-7250(config-if-e1000-1/1/2)#
SSH@LAB-7250(config-if-e1000-1/1/2)#exit
SSH@LAB-7250(config)#
```