InMon® Products

internet monitoring

●Products ●Technology ●Demo ●Suppor

InMon sFlow Probe
Media-speed Gigabit "route-aware" monitoring.

Accurate network traffic monitoring at Gigabit speeds.

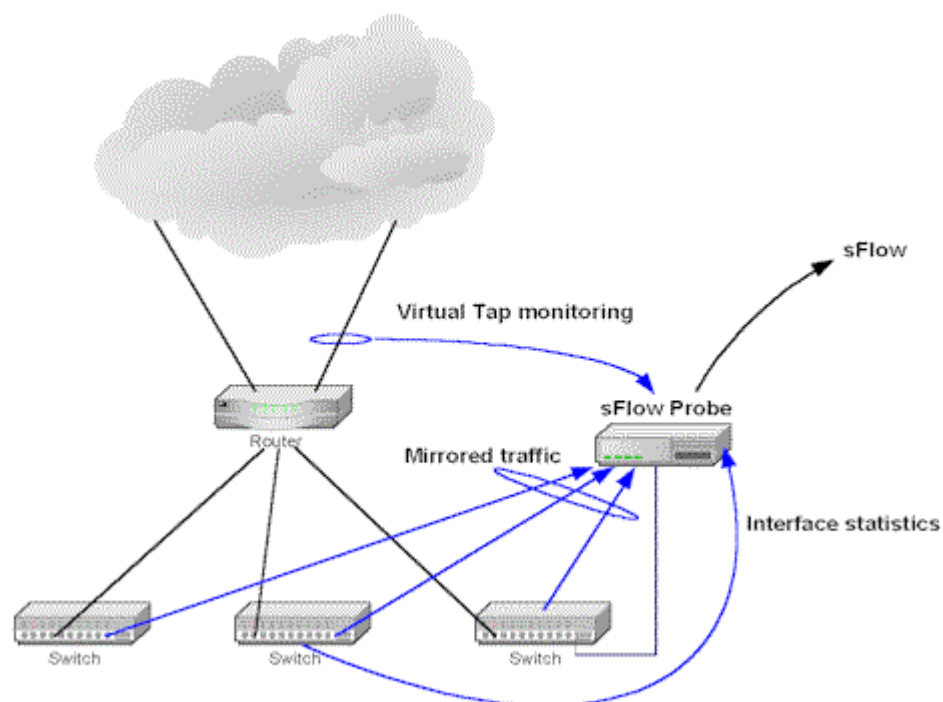Full layer 2-7 traffic flow measurements using sFlow technology.

"Route-aware" traffic flow measurements with "Virtual Tap"tm monitoring.

Cost effective monitoring of multiple switches/routers from a single probe.

The InMon sFlow Probe is capable of continuously monitori application level traffic flows at a full 1Gigabit (up to 1,500,0 packets per second). Because the sFlow Probe can keep u utilized Gigabit links, it can provide accurate and complete measurements when reliable measurements are most neec

InMon's innovative sFlow technology combines traffic data accurate interface counters and information obtained from s and routers about their forwarding decisions.

With the "Virtual Tap"tm monitoring capability, the sFlow Pro forwarding and traffic information from remote devices. This breakthrough provides "Route-Aware" traffic flow measuren map traffic flows to ports, VLANs, subnets and routes provi unprecedented visibility into the operation of switched and r networks.

The InMon sFlow Probe operates in two modes:

1. By attaching to a monitor/SPAN port it monitors mirrored traffic.

2. Using a 10/100 port, the sFlow Probe gathers NetFlow and/or LFAP data. BGP routing informa iBGP, telnet, or ssh. In addition, switch and router interface statistics are collected using SNMP

The resulting data is forwarded in sFlow datagrams to a central <u>sFlow collector</u> (for example <u>InMon Tr</u> for analysis.

A single InMon sFlow Probe can support multiple mirror/SPAN port interfaces in addition to "Virtual Ta monitoring. This results in an inexpensive and administratively simple method to monitor multiple switc routers from a single point. This cost effective deployment of sFlow Probes throughout the network, pr continuous, network-wide coverage needed to proactively manage network traffic.

sFlow data from hundreds of probes can be sent to a single sFlow collector, such as <u>InMon Traffic Ser</u> analysis. Traffic Server correlates and combines sFlow data to provide an accurate, real-time view of t the network that can be used for a wide variety of traffic management tasks, including traffic accountin congestion management and the detection and control of denial of service attacks.

Technical Specifications

Protocols monitored with sFlow (RFC 3176)
Full layer 2 – layer 7statistics:
Ethernet/802.3
IPv4/IPv6/ICMP/UDP/TCP
IPX
AppleTalk
DECNet4
FrameRelay
BGP4 (Full AS-Path)

Layer 2 statistics:
Full duplex port statistics
Traffic priority by port
VLAN statistics

Data Sources
Port mirror/SPAN
NetFlow versions 5 and 7
Juniper cflowd
Juniper sampling/port mirroring
Riverstone LFAP versions 4 and 5
iBGP
SNMP
Telnet
SSH

Minimum System Requirements
CPU
500MHz Pentium II

Memory
128MB RAM

Disk
1 GB

Network
10/100BaseT network interface
Tigon-based Gigabit Ethernet card: 3Com 3
NetGear GA620

OS
RedHat Linux 7.x, 8.x