

## 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.

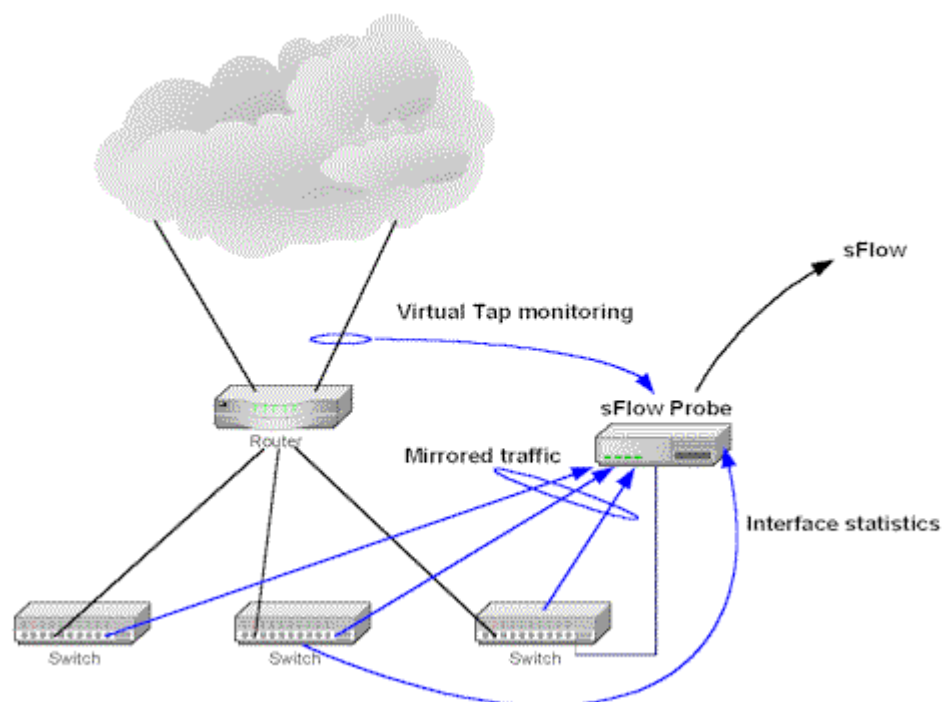
"Route-aware" traffic flow measurements with "Virtual Tap"<sup>™</sup> monitoring.

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

The InMon sFlow Probe is capable of continuously monitoring application level traffic flows at a full 1Gigabit (up to 1,500,000 packets per second). Because the sFlow Probe can keep up with utilized Gigabit links, it can provide accurate and complete measurements when reliable measurements are most needed.

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

With the "Virtual Tap"<sup>™</sup> monitoring capability, the sFlow Probe can monitor forwarding and traffic information from remote devices. This breakthrough provides "Route-Aware" traffic flow measurements that map traffic flows to ports, VLANs, subnets and routes providing unprecedented visibility into the operation of switched and routed 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 information, 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 [sFlow collector](#) (for example [InMon Tr](#) for analysis).

A single InMon sFlow Probe can support multiple mirror/SPAN port interfaces in addition to "Virtual Tap" monitoring. This results in an inexpensive and administratively simple method to monitor multiple switch routers from a single point. This cost effective deployment of sFlow Probes throughout the network, provides 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 [InMon Traffic Server](#) for analysis. Traffic Server correlates and combines sFlow data to provide an accurate, real-time view of the network that can be used for a wide variety of traffic management tasks, including traffic accounting, congestion management and the detection and control of denial of service attacks.

## Technical Specifications

### Protocols monitored with sFlow (RFC 3176)

#### Full layer 2 – layer 7 statistics:

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



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