Flowmon
Probe

High Performance
NetFlow/IPFIX Probe

Product Brief

INTRODUCTION

Flowmon Probe is a high performance stand-alone appliance that monitors network traffic and generates IP flow statistics. The flow statistics are then exported to storage for further analysis by a Flowmon Collector or other NetFlow/IPFIX compatible application.

Flow-based monitoring provides detailed information on inter-communication; timing, duration, frequency, protocol and data volume (including TCP flags, QoS or AS). These statistics enable real-time monitoring of network utilization, user activities and Internet use. Data export in a fixed format NetFlow version 5 or flexible formats NetFlow version 9 and IPFIX, which allows direct granular selection and export of data, are supported as well.

Flowmon Probes monitoring capabilities allow for application-level data (Network Layer 7) monitoring such as HTTP (URL, hostname), VoIP (calling parties, jitter, packet loss), DNS (query, response, flags, etc.), application detection (Cisco Next Generation NBAR2) and Network Performance Monitor (NPM). This enables an in-depth view and analysis of critical network interactions, troubleshooting, performance, management and optimization. Real-time detection and alerting on security anomalies is also provided.

FLOWMON PROBE DEPLOYMENT

Flowmon Probes are available as a hardware appliance or virtual appliance, suitable for monitoring virtual and non-virtual networks assisting in convergence of IT resources.

The appliance has one to six monitoring ports which are connected to network of interest while a management port is provided for administration and web access. Passive connectivity is achieved by connecting to SPAN/mirror/monitoring port on an active device (router, switch, vSwitch) or TAP (passive hub/splitter). This allows for unobstructed visibility into full-duplex networks without the need of configuration changes.

FEATURES

- ► **High performance NetFlow v5/v9/IPFIX probe**
- ► **Support for 10 Mbps to 100 Gbps Ethernet**
- ► **Wirespeed data processing**
- ► **IPv4, IPv6, MAC, VLAN and MPLS Support**
- ► **HTTP, DNS and VoIP analysis, application detection (NBAR2)**
- ► **Network Performance Monitoring (RTT, SRT, retransmission, out-of-order packets, delay and jitter)**
- ► **Network device, OS, browser version identification**
- ► **Available as physical and virtual appliance**
- ► **Up to 6 monitoring ports included in a single appliance**
- ► **Simplified web interface administration**
- ► **Built-in collector for flow data storage and analysis**
- ► **Fully compatible with NetFlow/IPFIX based collectors**

PRODUCT PORTFOLIO

Product portfolio includes a wide range of models to monitor physical and virtual networks ranging from 10 Mbps to 100 Gbps. Hardware accelerated probes are available providing full wire-speed, high capacity, low-latency packet processing capabilities.

In addition, most models include the Flowmon Monitoring Center (FMC), which allows to store and analyze network statistics.

	App Tag	Total packets	Flows	Transferred
1	ssh	745.12 k	499	677.41 MB
2	http	242.15 k	4.97 k	186.05 MB
3	secure-imap	191.62 k	653	169.74 MB
4	secure-http	182.36 k	5.95 k	116.05 MB
5	dns			
6	irc			
7	icmp			
8	smtp			
9	cifs			
10	skype			
	TOP 10			

Destination IP address	HTTP hostname	HTTP URL
bud02s03-in-f25.1e100.net	www.googleadservices.com	/pagead
channelproxy-shv-13-prn1.facebook.com	-p-13-prn1.channel.facebook.com	/pull?channel=p_100000382471604&seq=23347
bud02s02-in-f28.1e100.net	ad-emea.doubleclick.net	/adi
bud02s03-in-f13.1e100.net	www.googleadservices.com	/pagead
fa-in-f155.1e100.net	stats.g.doubleclick.net	/__utm.gif?utmwv=5.4.6dc&utms=4&utmn=244123372
channelproxy-shv-13-prn1.facebook.com	-p-13-prn1.channel.facebook.com	/pull?channel=p_100000382471604&seq=22296
wg-in-f121.1e100.net	ape.amikay.com	/c

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NEOX NETWORKS

sales@neox-networks.com
+49 6103 37 215 910
www.neox-networks.com

Flowmon
Networks

Flowmon Networks, a. s.
U Vodarny 2965/2
616 00 Brno, Czech Republic

+420 511 205 250
info@flowmon.com
www.flowmon.com