

Go With the Industry Standard for Flow-based Reporting

To optimize your network infrastructure for application performance, you need complete, enterprise-wide visibility into the composition of traffic on every link. With this insight, you can quickly identify the source of any performance problems, validate the impact of planned and unplanned changes within the network, and avoid unnecessary WAN costs.

NetQoS ReporterAnalyzer, the traffic analysis module of the NetQoS Performance Center, gives network professionals insight into how application traffic is impacting network performance. As the first enterprise product able to harvest a rich set of traffic statistics from Cisco IOS® NetFlow and IP Flow Information Export (IPFIX) enabled routers and switches, it is recognized as the industry standard for flow-based traffic analysis in Global 4000 enterprises.

ReporterAnalyzer is the only product that scales to support the volume of flow data typical in the world's largest networks, providing real-time visibility into network traffic throughout the enterprise. Uniquely capable of accessing one year of enterprise-wide data and reporting on 100% of flow traffic for the entire network, ReporterAnalyzer also identifies the applications and hosts that are consuming the most bandwidth during a specified time period, enabling you to make timely and cost-effective decisions for optimizing and improving network service delivery.

How Will NetQoS ReporterAnalyzer Help You?

Make More Informed Infrastructure Investments

- » Evaluate better and less expensive alternatives to upgrade by identifying the applications, hosts, and conversations that consume bandwidth in easy-to-understand charts
- » View the impact of application rollouts on WAN links, and measure application traffic growth via protocol-level trend analyses, application baseline trend comparisons, and percent-growth tables
- » Spot potential bottlenecks with Red/Yellow indicators for interfaces that breach defined thresholds and durations

Solve Performance Problems Faster

- » View real-time reports and alarms for every interface on the network for the past 30 days with one-minute granularity
- » View applications, hosts, and conversations consuming WAN bandwidth to isolate and resolve problems
- » Receive alerts and run customizable reports to assess the scope of potentially malicious traffic
- » Identify every affected network link and server, so that problems can be contained and repaired quickly

- » Know when performance becomes abnormal
- » Automatically diagnose the cause of the problem

Optimize the Network Infrastructure for Application Performance

- » Implement effective workload scheduling and class of service policies instead of upgrading expensive links by leveraging statistics that show which applications are using network resources, who is using them, and when
- » Analyze trends in applications, hosts, and conversations per class of service
- » Determine appropriate application classification with real-time visibility into how network traffic is prioritized
- » Validate QoS configuration changes within the network

“NetQoS has proven invaluable for identifying, in real time, hosts consuming large amounts of bandwidth, but we also use it to assist us in our capacity efforts.”

- Barclays Global Investors, N.A.

“NetQoS captures the NetFlow export data from Cisco routers and switches that already exist in many enterprises today, providing a viable, scalable solution to network congestion.”

- Cisco Systems, Inc.

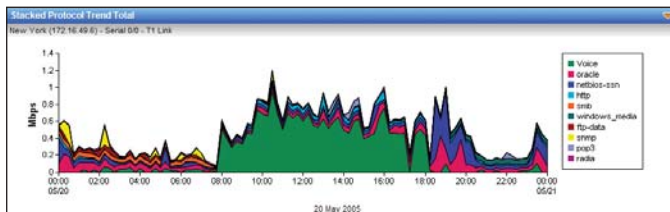
A Look at ReporterAnalyzer

Identify the Network Top “Hot Spots”

Status	Interface	Traffic Direction	Speed	Avg. Util.	Percent Time Util >= 50.00%	Percent Time Util >= 90.00%
	Singapore: ATM10.6-aas layer - 512 Kb PVC	Out	512.00 K	97.23 %	48.23 %	23.12 %
	Singapore: Serial0/0 - T1 Link	Out	1.54 M	97.12 %	44.87 %	22.43 %
	Houston: Serial0/0.2 - 1.544M Frame Relay	Out	1.54 M	95.46 %	27.21 %	20.56 %
	London: ATM10.5-aas layer - 256 Kb Frame Relay	Out	256.00 K	94.69 %	35.43 %	19.66 %
	New York: POS0/1 - OC3	In	166.00 M	88.46 %	36.33 %	11.33 %
	New York: FastEthernet0/0 - Fast Ethernet	Out	100.00 M	77.32 %	29.54 %	29.54 %
	London: Serial0/0.4 - 512 Kb Frame Relay	In	512.00 K	75.67 %	18.89 %	18.89 %
	Houston: ATM10.2-aas layer - 256 Kb PVC	Out	256.00 K	72.34 %	13.66 %	2.46 %

ReporterAnalyzer provides global visibility into interface utilization for remote locations.

Analyze the Traffic on Every Link



ReporterAnalyzer shows network traffic composition.

Track All Flow Traffic with Flow Forensics

Report: SQL Slammer Traffic - Identify ALL hosts with UDP-1434 traffic above a specified threshold rate
 Period: 2005-02-11 19:09:00 GMT to 2005-02-11 23:08:00 GMT

Client	Client Name	Flows In	Flows Out	Flows Total	Bytes In	Bytes Out	Bytes Total	Packets In	Packets Out	Packets Total
164.56.98.45	pc6780.actrix.net	6,727	26,727	33,454	207,426,000	699,657,000	907,082,500	2,018,100	2,690,800	4,708,900
192.168.12.21	sup-servizanco.com	6,480	16,480	22,960	200,880,000	181,440,000	382,320,000	1,944,000	2,592,000	4,536,000
166.35.45.98	pc44268.mclink.com	6,480	36,480	42,960	157,680,000	235,440,000	393,120,000	1,944,000	2,592,000	4,536,000
128.7.25.35	pc76583.mclink.com	4,320	14,320	18,640	124,200,000	556,200,000	680,400,000	1,296,000	1,728,000	3,024,000
75.44.14.85	redunftp.vero.local	4,320	24,320	28,640	124,200,000	858,200,000	982,400,000	1,296,000	1,728,000	3,024,000
192.168.75.100	ha333.actlink.net	4,320	14,320	18,640	100,440,000	178,200,000	278,640,000	1,296,000	1,728,000	3,024,000
182.112.170.243	pc3474.mclink.com	4,320	34,320	38,640	100,440,000	178,200,000	278,640,000	1,296,000	1,728,000	3,024,000
197.204.172.74	dm333.camco.com	4,320	14,320	18,640	100,440,000	178,200,000	278,640,000	1,296,000	1,728,000	3,024,000
196.90.69.112	pc6489.actrix.net	4,320	24,320	28,640	1,420,200,000	1,420,200,000	2,840,400,000	1,296,000	1,728,000	3,024,000

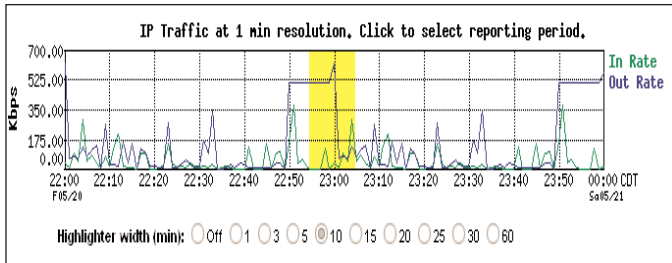
ReporterAnalyzer highlights viruses or other unwanted traffic on your network.

Store Data for a Full Year



ReporterAnalyzer tracks and stores flow data for over a year to help with capacity planning.

Troubleshoot in Real Time



ReporterAnalyzer provides easy zoom-in access to detailed analysis (in this case by highlighting a particular time period.)

Create Custom Reports

Description	Volume Total (Bytes) *	Average Rate Total (bps)
Houston (10.2.176.127)::POS0/1 - OC-3	373.37 G	4.94 M
New York (172.16.49.6)::POS0/1 - OC-3	128.57 G	1.70 M
New York (172.16.49.6)::GigabitEthernet0/1 - Gig Ethernet	109.23 G	1.44 M
London (10.1.176.127)::GigabitEthernet0/1 - Gig Ethernet	31.24 G	413.25 K
Houston (10.2.176.127)::FastEthernet0/0 - Fast Ethernet	23.05 G	304.86 K
Houston (10.2.176.127)::Serial0/0.2 - 1.544M Frame Relay	4.83 G	61.20 K
Houston (10.2.176.127)::Broadcast/Multicast - Broadcast/Multicast Traffic	4.44 G	58.72 K
New York (172.16.49.6)::Serial0/0.3 - 256 Kb Frame Relay	4.33 G	57.27 K
London (10.1.176.127)::Serial0/0.4 - 256 Kb Frame Relay	4.23 G	55.99 K
London (10.1.176.127)::Serial0/0 - T1 Link	2.81 G	37.16 K

ReporterAnalyzer reports the distribution of network traffic over all interfaces.

More Reasons to Use NetQoS ReporterAnalyzer

With full integration into the NetQoS Performance Center, ReporterAnalyzer gives you the objective data you need to better evaluate the need for bandwidth upgrades. You can easily evaluate other cost-effective options such as job rescheduling, removing unwanted traffic, or reconfiguring applications to quickly determine the best approach, and validate the results of the fix.

Some flow-based reporting products sample only small percentages of the traffic, while others are able to monitor only segments of the network for a limited period. ReporterAnalyzer provides an enterprise-wide view of your traffic, allowing you to make network performance decisions with all the data—not just a subset. This ensures accurate decisions are made regarding cost reduction, capacity planning, troubleshooting, and traffic analysis across the enterprise.

Request an evaluation of NetQoS ReporterAnalyzer today at www.netqos.com.

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