Application Delivery Network Assessment

An Application Delivery Network Assessment is an on-site evaluation and visual examination of the health and usage of the applications running on your network. Using Blue Coat PacketShaper technology, PacketRight Technologies' Network Assessment process will provide statistics and other valuable information to show you exactly what is running on your network, and ways to assure or align utilization with business priorities- along with identifying potential problems along the way. Before you can optimize application performance, you need an accurate picture of network traffic.

- ➔ Are you experiencing network and business-critical application performance problems?
- ➔ Do you really know what is on your network? Can you accurately assess user experience?

An Application Delivery Network Assessment can help you identify bottlenecks and inefficiencies on your network quickly and easily. It can also help with ways to maximize application performance and have complete control of your bandwidth usage.

Application Delivery Network Assessment

Blue Coat PacketShaper automatically classifies and measures network applications and web content categories, providing the insight of a probe but with deeper, application-intelligent Layer 7+visibility. In addition to delivering network and application utilization and performance data, the traffic analysis validates common protocols and tracks what happens to each connection established by each application. PacketShaper also breaks down traffic per application and per site at a granular level, recording peak and average utilization rates, bytes transmitted, availability, utilization, top talkers/listeners, network efficiency and much more.

The detailed network traffic and application performance data provided by a network assessment provides you with the information needed to improve the performance and end-user experience for your most important business tools, your network and key applications. Armed with detailed traffic and performance data you can make informed decisions about how to best address performance problems; whether you need to apply acceleration or control, or a combination of both solutions.

The network assessment is conducted over a three-to-seven day period on a production network (not a test network) with typical load, congestion and diversity of traffic. During an Application Delivery Network Assessment a Blue Coat PacketShaper is installed on the production network inline or in Watch Mode. In this manner, the device automatically discovers, classifies and measures network applications without interfering with network operations.

Network Assessment Process

1. Determine the network or application problem that you are trying to solve.
2. Install and configure a PacketShaper device and let it gather data for three to seven days.
3. Discover applications and their performance over the network.
4. Review Network Performance Analysis results.

What's Next……..

At the end of the assessment period you will receive a Network Performance Analysis report that answers the following questions:

- What applications and web content categories consume most of the network bandwidth?
- How much bandwidth is being consumed by recreational traffic?
- How much bandwidth is wasted on retransmissions?
- Who are the top users?
- Is application performance sluggish due to a sluggish network or an overloaded server?

This information can be used to develop a plan to improve network and application performance, ensuring that users experience the application performance they expect.

Network Performance Analysis Report

The data generated through a network assessment is used to create a custom Network Performance Analysis Report. The report provides detailed data about the types of traffic and the performance of various applications found on your networks and your network efficiency and utilization rates. Report data includes the top10 classes of inbound and outbound traffic, the percentage of network traffic that is retransmitted, and bandwidth consumption rates. The report includes numerous graphs and charts as illustrated in the samples below to help you better understand the data generated from the Application Delivery Network Assessment. In addition, the report includes recommendations on how to address the identified performance problems. Without the detailed network assessment data and report, you could be investing in solutions that may not address your problems.

Businesses Value PacketShaper

Businesses like yours find a network assessment essential for the following reasons:

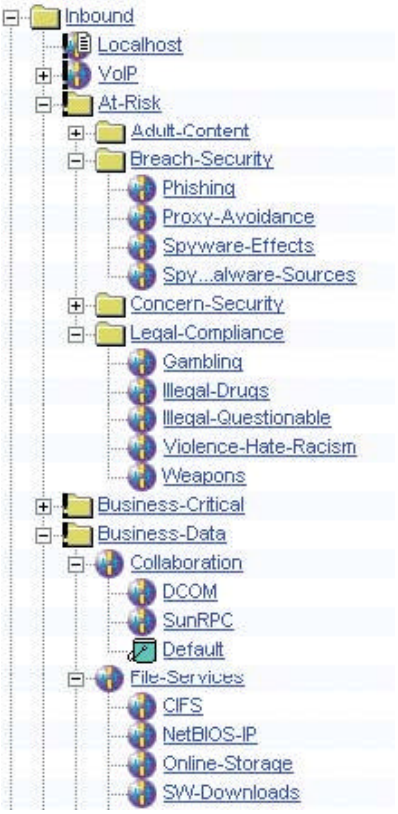
-> Experience first-hand the detailed insight a PacketShaper provides about your network and application performance.

-> Gain the intelligence necessary to efficiently and cost-effectively apply (QoS) optimization and control for the delivery of business-critical applications

-> Discover the extent of data available for making network management decisions

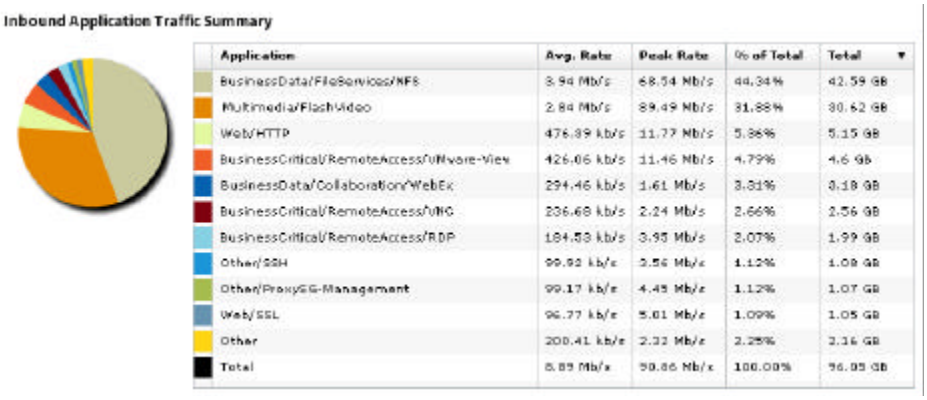
Automatic Traffic Discovery

Automatic traffic discovery inspects traffic, mapping it to its classification library and building a list oft he applications and web content categories running on the network. There are usually a few surprise entries on this list.



Top 10 Classes and Stats

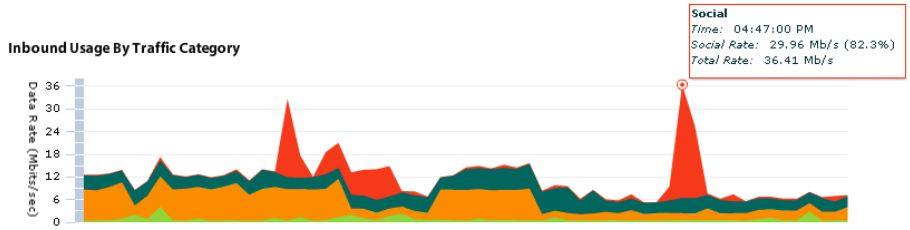
Knowing what is on your network and how much bandwidth each application and web content category consumes is key to assuring that critical business applications receive the bandwidth they need. See bandwidth utilization from the Top Users and connections.



Application	Avg. Rate	Peak Rate	% of Total	Total
BusinessData/FileServices/NFS	3.94 Mb/s	68.54 Mb/s	44.34%	42.59 GB
Multimedia/Flash Video	2.84 Mb/s	89.49 Mb/s	31.88%	30.62 GB
Web/HTTP	476.39 kb/s	11.77 Mb/s	5.36%	5.15 GB
BusinessCritical/RemoteAccess/vMware-View	426.06 kb/s	11.46 Mb/s	4.79%	4.6 GB
BusinessData/Collaboration/WebEx	294.46 kb/s	1.61 Mb/s	3.31%	3.18 GB
BusinessCritical/RemoteAccess/VNC	236.68 kb/s	2.24 Mb/s	2.66%	2.56 GB
BusinessCritical/RemoteAccess/RDP	184.58 kb/s	3.95 Mb/s	2.07%	1.99 GB
Other/SSH	99.92 kb/s	2.56 Mb/s	1.12%	1.08 GB
Other/ProxySG-Management	99.17 kb/s	4.45 Mb/s	1.12%	1.07 GB
Web/SSL	96.77 kb/s	5.01 Mb/s	1.09%	1.05 GB
Other	200.41 kb/s	2.32 Mb/s	2.25%	2.16 GB
Total	8.89 Mb/s	90.86 Mb/s	100.00%	96.05 GB

Network Usage by Traffic Category

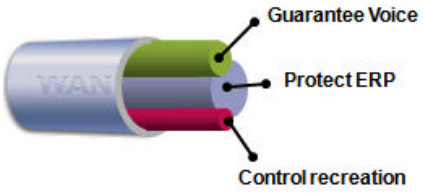
Similar applications are grouped and measured to show their collective impact on the network. This includes programs and application most critical to your business and bottom line.



Inbound Category Traffic Summary

Traffic Category	Avg. Rate	Peak Rate	% of Total	Total
Web	4.9 Mb/s	10.08 Mb/s	41.19%	2.24 GB
BusinessCritical	3.81 Mb/s	6.75 Mb/s	32.03%	1.74 GB
Social	2.3 Mb/s	29.96 Mb/s	19.38%	1.05 GB
BusinessData	847.97 kb/s	4.1 Mb/s	7.14%	387.94 MB
Multimedia	21.94 kb/s	103.33 kb/s	0.18%	10.04 MB
VoIP	4.3 kb/s	27 kb/s	0.04%	1.97 MB
Miscellaneous	3.88 kb/s	11.7 kb/s	0.03%	1.77 MB
default	0	0	0.00%	0.00 Bytes

Take Control!



Empowers IT Organization to:

- Identify all applications on the network
- Measure utilization by application
- Benchmark response times & SLA's for key applications
- Diagnose & isolate causes of performance problems