



NLE Network Visibility Assessment

Are you experiencing network and library-critical application performance problems?

Is your library considering SAAS (Software-As-A-Service) for library services?

Do you really know what is running on your network? Can you accurately assess your users' experience?

An NLE Network Visibility Assessment can help you identify bottlenecks and inefficiencies on your network quickly and easily.

With the detailed network traffic and application performance data provided by a network assessment, your library will have all the supporting information needed to improve the performance and end-user experience with the library's most important business tools; the network and key applications. Armed with this information, informed decisions can be easily made and corrective actions justified as you look to improve the overall level of service to patrons and staff.

A network assessment is conducted over the course of a few days on the Library's production network with typical load, congestion and diversity of traffic. During this process NLE will install a Network Visibility and Control appliance on the production network. This device will then automatically discover, classify and measure network applications without interfering in any way with the Library's current network operations. During this monitoring process the network traffic is broken down 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.

NETWORK VISIBILITY PROCESS

1. Determine the network or application problem that needs to be solved
2. Install and configure the Network Visibility and Control appliance
3. Discover applications and their performance over the network
4. Review Network Visibility Assessment results

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

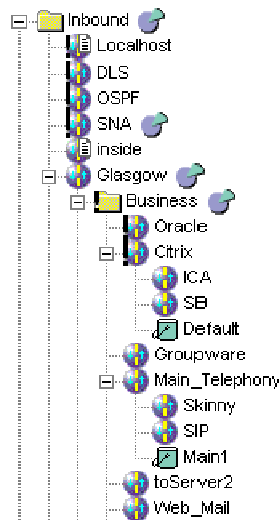
- a. What applications use up most of the network bandwidth?
- b. How much bandwidth is being consumed by non-library essential traffic?
- c. How much bandwidth is being wasted on retransmissions?
- d. Who are the top users
- e. Is application performance sluggish due to a sluggish network or an overloaded server?

We can then use this information to recommend specific courses of action to improve the overall performance of your network, applications and service level to patrons.

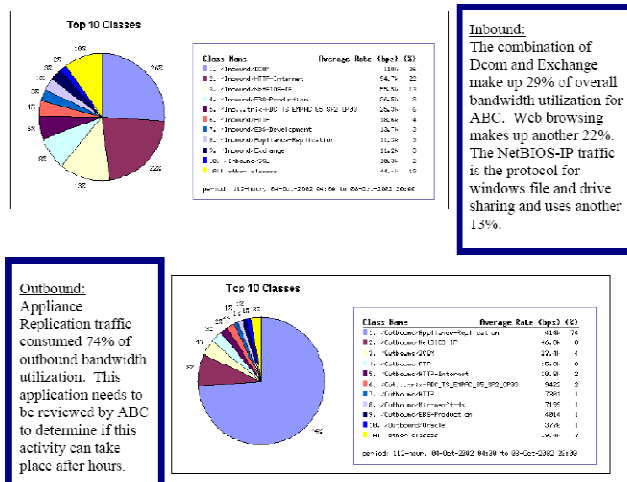
NETWORK PERFORMANCE ANALYSIS REPORT

The data generated through the NLE Network Visibility Assessment is used to create a custom Network Performance Analysis Report. This report provides the detail information about the types of traffic and the performance of the various applications found on your network and the networks efficiency and utilization rate. The report data set also includes the top 10 classes of inbound and outbound traffic, the percentage of network traffic being retransmitted and bandwidth consumption rates. We also include numerous graphs and charts as illustrated in the samples below to help the library better understand the data generated from the network assessment. In addition, we also incorporate a detailed set of recommendations on how to address the identified performance problems. This in turn will help the library invest in the correct solutions going forward.

Automatic Traffic Discovery – ATD inspects traffic, mapping it to its correct classification library and the builds a list of the applications running on the network.

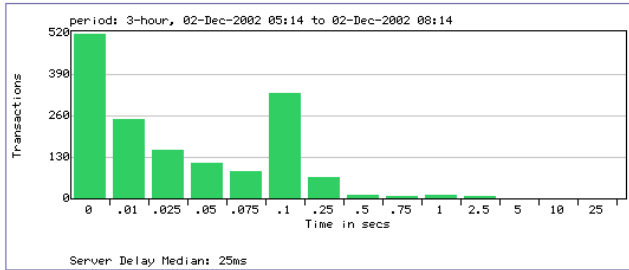


Top 10 Classes (inbound and outbound) – Knowing what is on your network and how much bandwidth each application consumes is vital to assuring that critical library applications receive the bandwidth they need.

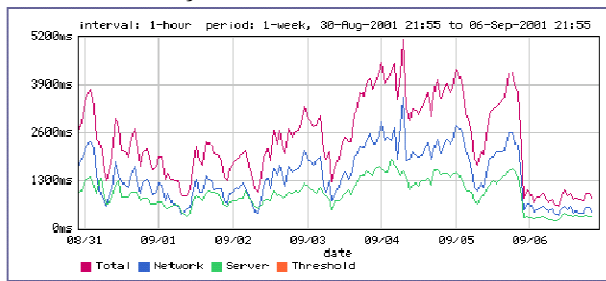


Application Response Time Monitoring – Application performance monitoring ensures that staff get the experience they need to do their jobs and patrons receive the level of service they have come to expect.

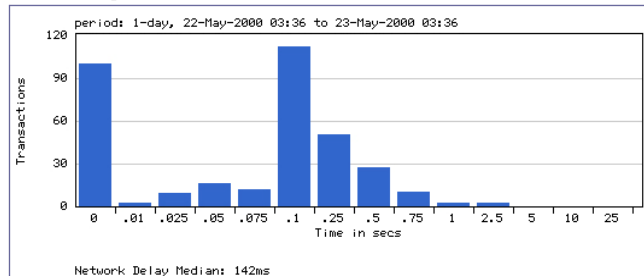
Server Delay Distribution



Transaction Delay



Network Delay Distribution



Before you consider expenditures to purchase additional bandwidth, network devices, or new desktops/servers to solve networked application performance problems, contact us for more information about the **NLE Network Visibility Assessment**. We can provide the empirical data and recommendations your library needs to make the correct decisions regarding your network's performance.