CA Network Flow Analysis

At a Glance

CA Network Flow Analysis provides visibility into the composition of network traffic across the enterprise, helping network teams make more informed infrastructure investments, solve performance problems faster and enhance the network infrastructure so it delivers optimal application performance. Designed to support the world's largest networks, CA Network Flow Analysis efficiently harvests a rich set of network traffic statistics, and it provides your administrators with real-time visibility and behavior analysis capabilities. The solution leverages the data collection functionality of your existing infrastructure, making it efficient and cost effective to deploy, maintain and upgrade.

Key Benefits/Results

- Optimize the network for application performance by implementing effective resource controls and QoS policies.

- Solve problems faster through actionable alerts and built-in workflows that speed research and troubleshooting.

- Do more effective capacity planning and make better infrastructure investments.

- Get the complete data needed to accurately understand existing resource utilization, as well as the impact of potential bottlenecks.

Key Features

- **Enhanced application-level insights and control:** Enables you to identify the applications on your network, offering NBAR2 support that provides more than 1,000 default classifications.

- **Patented anomaly detection:** Based on continuous, automated network data collection and mathematical analysis, the solution can establish patterns and detect when anomalies in network traffic occur.

- **Unified performance view:** Gain a comprehensive view of the sources for network performance data across your enterprise.

- **Sophisticated reporting:** Access reports on traffic analysis, QoS, wide area application service segments, application response times and more.

Business Challenges

The explosive growth in cloud services, mobile devices and video traffic has placed unprecedented demands on networks—and created unprecedented challenges for network administrators. Today, a wide range of traffic traverses the network; some of it is lower priority, some is business critical. Further, some traffic may be illegitimate or malicious. Being able to distinguish these different types of traffic is critically important today. It's the only way administrators can start to proactively manage quality of service (QoS) for the most critical applications—while minimizing the cost and damage of illegitimate and malicious traffic.

Armed with basic network management tools, however, many administrators lack the visibility and control they need to optimize their network infrastructure. Further, the increase in bandwidth-intensive, delay-sensitive application and network traffic, many organizations have to contend with ballooning infrastructure costs just to meet the existing service-level expectations of end users.

To minimize network infrastructure costs, while ensuring service levels are optimized for high-priority applications and services, administrators need to understand who is consuming network resources, where they're going, what they're doing and what kinds of service levels they're receiving.

Solution Overview

CA Network Flow Analysis gives network operations teams the visibility and controls required to monitor, manage and optimize the performance of today's networks. With CA Network Flow Analysis, network administrators can quickly troubleshoot issues, identify top users and applications, implement service quality policies and track their efficacy and manage the capacity of network resources to maximize the service levels of the most critical applications and services.

CA Network Flow Analysis provides these vital capabilities:

▪ To help administrators optimize network capacity and ensure resources are available for critical applications and services, CA Network Flow Analysis offers the visibility needed to distinguish between personal and business, and lower and higher priority activities, and to determine how the network is prioritizing various types of traffic, including richmedia applications.

▪ To provide rich application accounting, classification and reporting capabilities, CA Network Flow Analysis offers integration with Cisco Application Visibility and Control- (AVC) enabled devices and can leverage the NBAR2 standard.

▪ To help administrators gain immediate visibility into potential issues, the solution provides automated capabilities for establishing traffic patterns and generating alerts if anomalies occur.

▪ To provide meaningful data economically, CA Network Flow Analysis leverages your existing investments, harnessing data from Cisco IOS® NetFlow- and IP Flow Information Export (IPFIX)-enabled routers and switches.

▪ To provide administrators with comprehensive views through a single console, CA Network Flow Analysis offers integration with a range of other management technologies.

Analyze traffic on every link. Identify unnecessary application traffic that could compromise mission-critical applications.

Stacked Protocol Trend - In
rtr2.lon.forwardinc.ca::Serial4/0 - Fractional T3
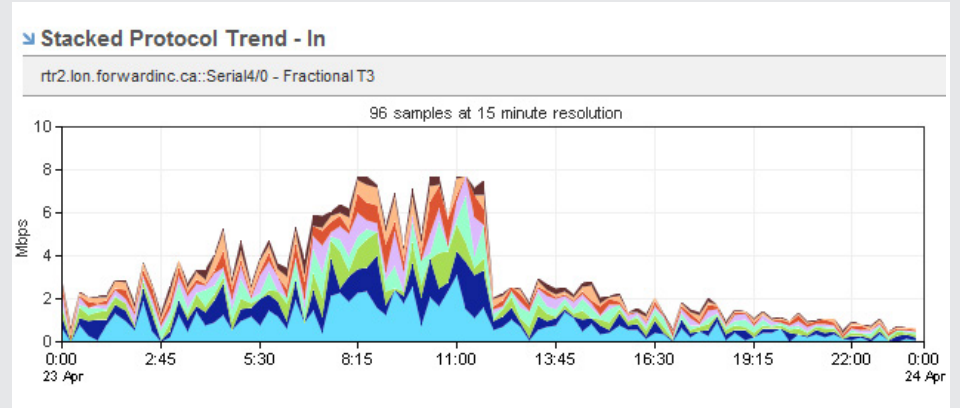
Critical Differentiators

CA Network Flow Analysis delivers a range of key differentiators:

▪ **Easy to implement and use.** CA Network Flow Analysis does network flow analysis from a single, data center-based collection point, without the need for probes or hardware appliances to be deployed in each location being monitored. This makes the solution cost effective and easy to deploy, maintain and upgrade.

▪ **Scalable, comprehensive visibility.** CA Network Flow Analysis can easily scale to address the needs of large, distributed environments, and has been proven in the most demanding enterprises, government agencies and service providers. CA Network Flow Analysis is designed to track 100% of flow traffic and to aggregate up to 13 months of historical data. Offering integration with other network performance management capabilities, the solution enables you to make network optimization decisions based on a complete, enterprise-wide view of network activity.

▪ **Proactive management and control.** CA Network Flow Analysis features patented anomaly detection that establishes what "normal" means for your network, and continuously monitors flow data to adjust that definition. By enabling detection of diverse anomalous traffic patterns and built-in workflows, CA Network Flow Analysis helps network teams perform quick research and troubleshooting when potential performance and security problems arise. With CA Network Flow Analysis, you can leverage extensive real-time and historical data to optimize networks for application performance by effectively allocating, prioritizing resources and routing traffic to maintain high quality of service.

For more information, please visit **ca.com/monitor-network-traffic**