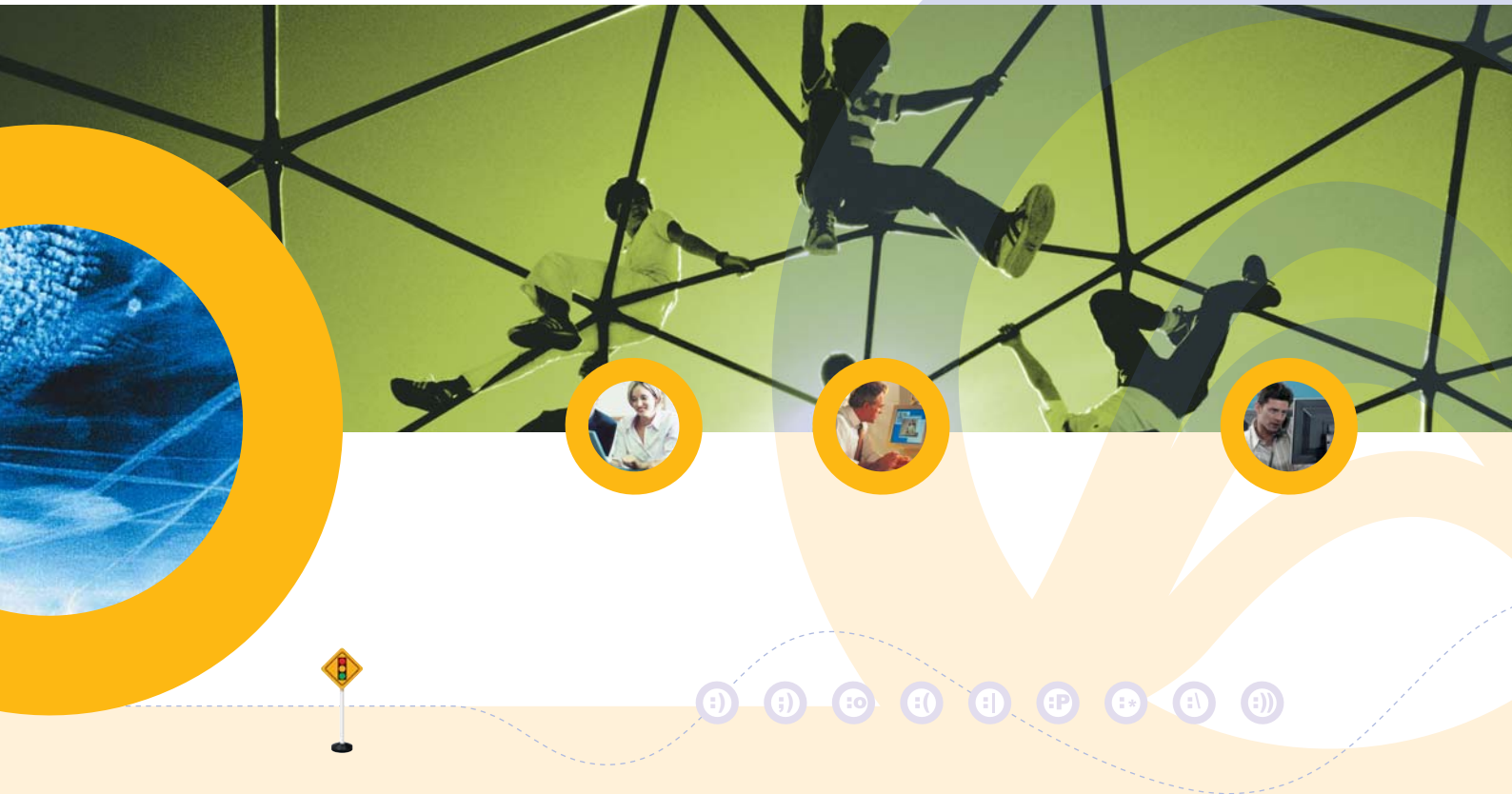


Ensuring Mission-Critical Applications and Containing WAN Costs

Traffic Management Solutions for Enterprise Networks



and Control
 Network Business Intelligence
 Application Control
 WAN Optimization
 on-Critical Applications
 k Costs

Allot's high-performance traffic management solutions are deployed by some of the world's largest enterprises. Integrating deep packet inspection (DPI) technology with Quality of Service (QoS) enforcement capabilities, they supply the visibility and control essential for managing networks today. Allot's solutions ensure high-quality performance of delay-sensitive applications and

optimization of WAN costs. They classify traffic through Layer 7, monitor network activity, implement application and IP-based accounting, deliver alarms concerning major network events, ensure end-to-end QoS and MPLS support, and provide frontline protection against security attacks.

Three Steps to Managing Enterprise Network LAN/WAN Traffic

Providing a direct link between board-level strategic priorities and the priorities of the IT infrastructure, Allot's traffic management solutions offer robust, policy-powered

networking. This enables efficient management of traffic crossing the LAN/WAN boundary of an enterprise network in three simple steps:

The biggest surprise was just how easily we were able to apply these tools to our business. It was immediate. With Allot's NetEnforcer we are able to forecast infrastructure demand and reduce cost of ownership for each of our different business units. Our CEO's are demanding reports and they now know what they use, what they need and what it costs.

Jose Luis Rodriguez, Senior Director of Enterprise Network Services, Grupo Elektra



1. Monitor network and bandwidth usage

to automatically discover applications and to determine the protocols that affect network performance and require management.

2. Define the policies

that link business priorities to computing needs and determine the QoS attributes, such as minimum and maximum bandwidth percentages and traffic prioritization.

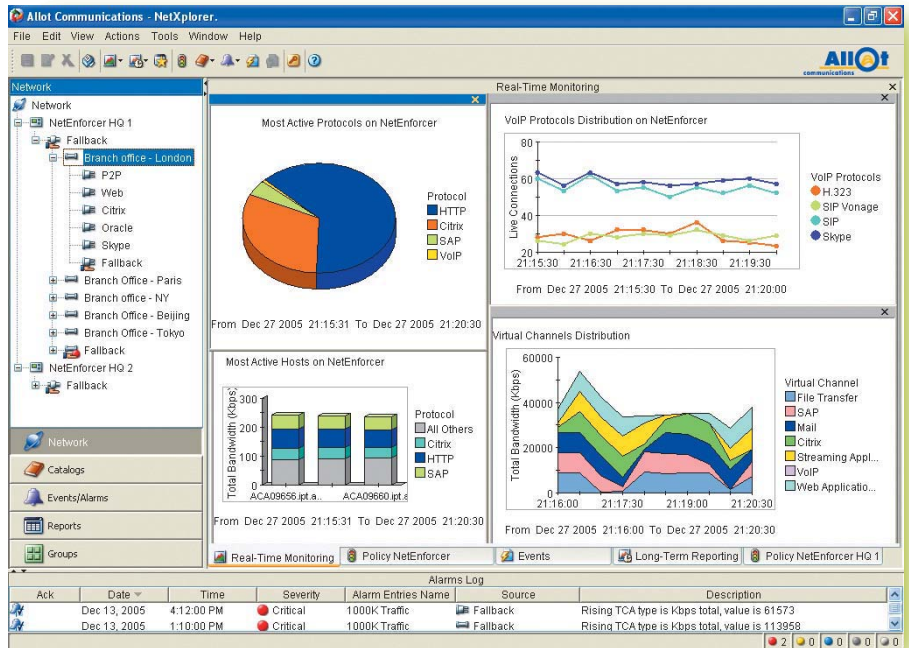
3. Enforce the rules

allowing NetEnforcer to examine all traffic crossing the WAN link and continually monitor resources to maintain network control and application performance.

Network Business Intelligence

“Enterprises are increasingly requiring Layer-7 monitoring, and policy-based QoS capabilities for their traffic management needs. The exponential growth in Web services, security threats, and recreational network traffic requires advanced traffic prioritization schemas that are easy to implement and control. Users should recognize that adding more bandwidth is not a good long term business solution for improving application performance.”

Steve Elliot, Senior Research Analyst for Network & Service Management, IDC

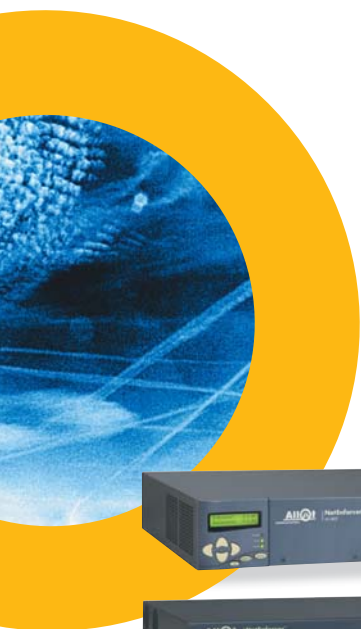


Allot understands that network management is not just about speeds, feeds and bandwidth capacity. Today, it's about the combination of DPI technology, visibility and active control to give a mind to networks. It's about achieving the intelligence necessary for networks to finally come together to ensure better performance and security.

For enterprises, network business intelligence is about optimizing network efficiency and better user productivity. It's about performance of mission-critical applications such as VoIP, Citrix and SAP, and containing network costs. Allot's highly-scalable solutions link enterprise business policies to specific network actions,

optimizing corporate network WANs to guarantee mission-critical applications and to deliver the performance required.

Offering the industry's broadest range of traffic management solutions from low-cost devices to multi-gigabit performance devices, Allot's combination of hardware and software products are suitable for any enterprise network configuration. By facilitating the inspection, visibility and active control of the network, they offer the solutions that enterprises seek: enhancement of application performance and containing of network costs.

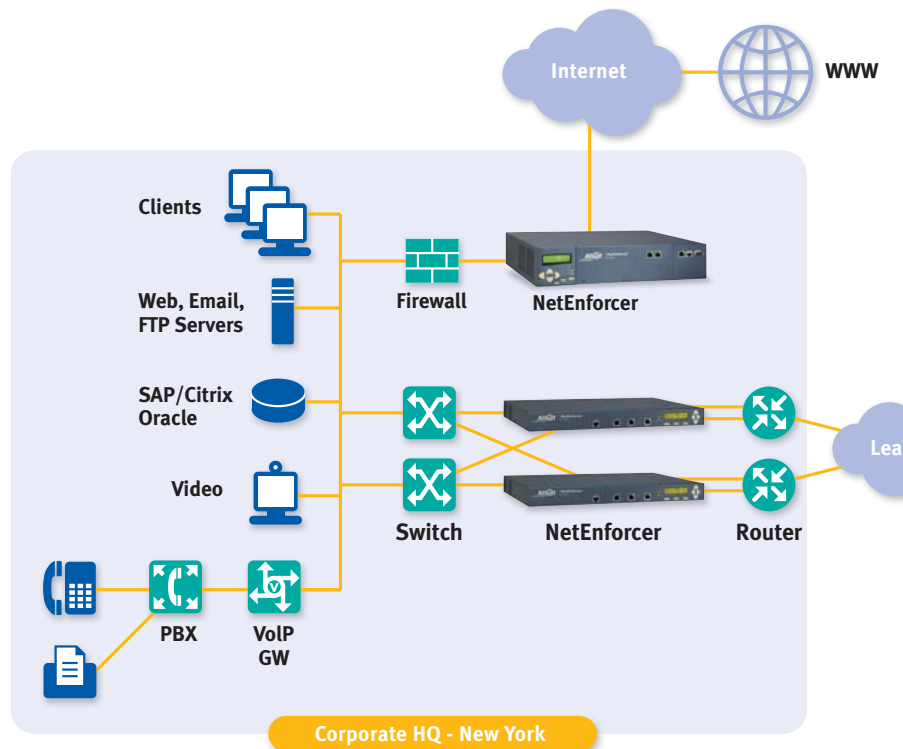




Robust, Policy-Powered Networking for Businesses

The NetEnforcer was instrumental in the success of our corporate-wide roll-out to Internet telephony. After we installed the NetEnforcer, our users immediately noticed the increased quality of the VoIP service.

Toshihiro Manabe,
Informations System Assistant
Manager, Nippon Paint



Optimize WAN Infrastructure

Precise allocation of bandwidth for each application on the network, ensuring that heavy file transfers do not slow interactive business systems such as ERP or CRM, or that email does not degrade the performance of delay-sensitive Citrix and VoIP.

Maximize Business-Critical Application Performance

Grouping and defining of policies that allocate bandwidth by creating a pipe to allocated WAN resources for each remote office and virtual channels to allocate bandwidth for applications.

Achieve Network Intelligence

Drilldown network analysis using NetXplorer to achieve network intelligence including centralized policy configuration, collection and analysis, determination of network bottlenecks and better performance of mission-critical applications.

Classify Layer-7 Traffic

Supports hundreds of protocols and applications that affect businesses, such as VoIP, P2P, Citrix, Oracle, HTTP, email and video, differentiating between multiple applications, prioritizing between traffic and limiting traffic to a defined percentage of bandwidth.

Centralize Management

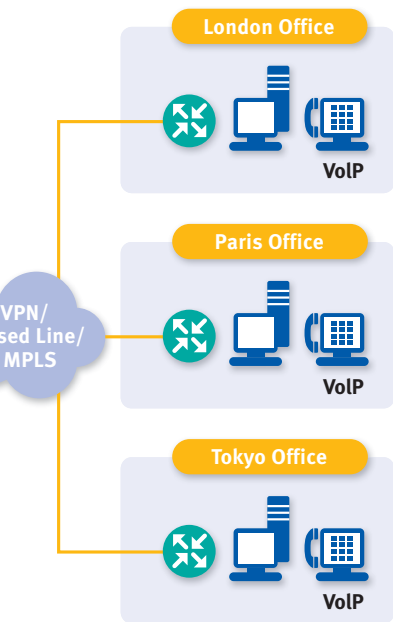
A single point for policy configuration and data collection and analysis enables understanding of mission-critical application performance by analyzing network usage and application behavior.

Monitor Network Activity

More than 100 real-time and long-term views of traffic and performance from a single, easy-to-read GUI enable the tracking and investigation of problematic network behavior and active management of traffic with QoS.

Build Adaptive Networks with Intelligent Alarms

Definition of thresholds on abnormal events which trigger alarms such as SNMP traps and email/SMS messages, and automatically invoke corrective actions before problems become costly.



Interface with LDAP Directories and Backend Support

Integration of corporate network policies with existing corporate user directory, enabling the definition of policies per department, group or application.

Protect Against Network Failure

100% uptime using a two-tier approach to fault-tolerant operation based on a hardware bypass for transparent passage of all traffic in case of any software or hardware failure, and parallel installation of two NetEnforcer devices (active-active and active-hot backup).

Deliver End-to-End QoS and MPLS Support

Use of industry-standard Type of Service (ToS) and differentiated services (DiffServ) protocols to signal the desired QoS to the entire network, as well as using the NetEnforcer as an edge device in MPLS networks for enhanced traffic classification and advanced monitoring and accounting.

Control Traffic Efficiently

Allot solutions control both the prioritization of applications and their distribution to servers, enabling enterprises to optimize WAN consumption and simplify the administration of multiple cache servers.

Protect Against Malicious Attacks

Detection of known types of DDoS attacks, monitoring, recording and blocking of malicious traffic and early warning of imminent attacks, as well as a dedicated management port for out-of-band management even during a DDoS attack.

Once we installed Allot's solution, we immediately discovered SoftEther traffic and added policies to control it. Since then we see a significant improvement of our network performance and have eliminated a variety of security risks.

Takayuki Noguchi, MIS Manager, S&I (Tokyo)

Our needs differ from one location to another, so we need to accurately manage our bandwidth. We're pleased with Allot's NetEnforcer because it addresses our needs by providing flow-by-flow and like-by-link without requiring us to assign dedicated staff to manage the task.

Philippe Faure, Network Manager, Schneider Electric

The monthly savings have been a tremendous boost to our IT budget. In fact, the reduced need for transoceanic data transfers over the WAN allowed the company to completely eliminate one of our existing EI facilities. The savings from that change alone is over \$23,000 per month or \$276,000 a year. At that rate, the entire cost of the Allot system was recovered in just six weeks; the returns, of course, will continue for years.

Karl Wighaman
Senior Network Manager
i2 Technologies

Allot's NetEnforcer is indispensable to our remote IT staff because it helps us implement global network policies, optimize network efficiency and carefully control user- and application-level priorities.

Dick Cleek, CIO,
University of Wisconsin



Extensive Range of Features

Traffic Classification (per Flow)

- IP/MAC address (with IP range, list or subnet option, host name); retrieval via LDAP or text file
- Network and IP protocols and applications
- Layer-7 classification for hundreds of business applications, such as Citrix and Oracle; VoIP and streaming protocols such as H.323 and MSPlayer; Internet protocols such as FTP, HTTP and instant messaging; and P2P applications
- Application content for HTTP (URL, content type, method, host); Citrix (published application, user name); Oracle (database name, user name); and H.323 (audio/video, CODEC)
- VLAN ID (802.1Q); VLAN Priority (802.1p)
- ToS byte (DiffServ or IP Precedence bits)
- Time of day/week/month/year

QoS Enforcement

- Hierarchy of policy rules with inbound/outbound traffic management
- Minimum/maximum bandwidth enforcement per flow/VC/pipe
- Ten levels of priorities for VCs/pipes
- Per flow guaranteed bandwidth, burst rate, CBR (for connection)
- Maximum number of connections per VC/pipe
- Fairness between equal level priority traffic flows
- Management for full/half duplex links
- Admission control
- ToS byte re-mark (in-/out-of-profile bytes)
- Reserve on demand bandwidth for very high priority traffic

Network Security

- Access control (pass/reject/drop)
- Protection from DDoS attacks
- Control of number of connections
- Secure management with SSH encryption
- Control of connection establishment rate

Configuration

- Proactive network management and action using intelligent alarms
- Remote policy configuration via CLI or Web browser

QoS Policy Management

- Active-active and active-passive redundancy modes with Allot active and serial redundancy
- Easy-to-manage, single table view based on catalogs
- Easy expansion of VCs and pipes (policies) to multiple subscribers
- Policy distribution from primary NetEnforcer to other units

Proactive Network Management

- Improve mission-critical application performance by identifying and removing network bottlenecks and application behavior
- Real-time and long-term monitoring: protocol distribution, top clients, top servers, to VCs, top pipes, VC/pipe distribution, number rate of connections, utilization, bandwidth usage with 30 second granularity and storage of historical data
- SNMP: support of statistics collection per VC/pipe
- Alarms: intelligent alarms and network events management system
- Accounting (optional) of traffic per session with powerful reporter and CSV interfaces

Fail-Safe Performance (No Single Point of Failure)

- Hardware bypass
- Active redundancy (both devices active)
- Full functional redundancy support (dual configuration with hot standby)
- Dual 200W load sharing, hot-swappable power supplies and power feeds

About Allot Communications

Allot Communications is all about broadband traffic management solutions for intelligent networks. Designed for carriers, service providers and enterprises, Allot solutions apply deep packet inspection (DPI) technology to transform broadband pipes into smart networks. This creates the visibility and control vital to manage applications and services, guarantee quality of service (QoS), contain operating costs and maximize revenue. Allot believes in listening to customers and provides them access to its global network of visionaries, innovators and support engineers.



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