

DATASHEET

NetAccountant

Policy-Based IP Accounting and Reporting

NetAccountant adds long-term data collection, reporting and analysis to the real-time monitoring and dynamic QoS capabilities of Allot NetEnforcer devices

NetAccountant lets you:

- Record complete IP session details
- Create detailed performance reports
- Implement usage-based and tiered-services billing
- Discover under- and over-utilized links and resources

On IP networks, tracking usage is critical, whether to prevent P2P from choking the network or to ensure that value-added services and business-critical applications perform as required by service level agreements. The IP accounting and reporting provided by Allot NetAccountant gives network operators the insight they need to understand how their network is being used, to identify usage trends, to implement targeted service offerings, and to plan for future capacity requirements.

Policy-Powered Accounting

Allot NetAccountant is an add-on software module that enhances the monitoring and QoS control capabilities of Allot NetEnforcer bandwidth management devices with accurate data collecting, agent-based reporting and server-based reporting.

• Data Collection

Allot NetAccountant collects per session traffic data according to the same policies used by the NetEnforcer device, and stores it locally in the NetEnforcer's internal MySQL database and/or exports it to an external RADIUS server.

• Agent-Based Reporting

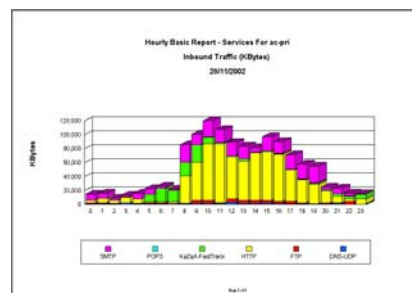
NetAccountant displays easy-to-read, tabular reports based on collected data in the NetEnforcer database.

Time Resol.	Client	Server	Service	Inbound Traffic	Outbound Traf.	Virtual Channel	Pipe
06 12:53 to 06	akuzm.ros@mail	adulbookshops	SMTP	664	4771	Mail	Fallback Pipe
06 12:53 to 06	akuzm.ros@mail	adulbookshops	HTTP-63746	1181	564	Web Direct	Fallback Pipe
06 12:53 to 06	akuzm.ros@mail	212.239.21.163	HTTP-authen	3472140	89152	Web Direct	Fallback Pipe
06 12:53 to 06	akuzm.ros@mail	212.239.21.100	HTTP-authen	3706418	41704	Web Direct	Fallback Pipe
06 12:53 to 06	arttech.com	216.34.209.10	Mail	1086897	45972	Mail	Fallback Pipe
06 12:53 to 06	artgonus.his	207.246.124.133	FTP	80492	83261	FTP	Fallback Pipe
06 12:53 to 06	artnet.jp.com	62.105.156.231	HTTP-64260	8437358	8562570	Fallback	Fallback Pipe
06 12:53 to 06	beth.gradient.se	80.70.128.31	HTTP-authen	633318	93565	Web Direct	Fallback Pipe
06 12:53 to 11	band11.dion.n	pop.wp.ac5.yah	DNS	0	52632	DNS	Fallback Pipe
06 12:53 to 11	blue.servetop	post.goo-wp.sca	DNS	0	53990	DNS	Fallback Pipe
06 12:53 to 11	blue.servetop	cluster1.icq.com	DNS	0	38120	DNS	Fallback Pipe
06 12:53 to 11	c0mailgw.prom	83.236.18.117	DNS	0	36550	DNS	Fallback Pipe
06 12:53 to 11	cl.h08101305	212.178.27.166	HTTP-22	124500	63176	Fallback	Fallback Pipe
06 12:53 to 11	cl.h08101305	64.12.24.200	HTTP-authen	4939084	725591	Web Direct	Fallback Pipe
06 12:53 to 11	cache-2.mt.de	web.web.aol.com	HTTP-5190	34046	56209	AOL	Fallback Pipe
06 12:53 to 12	eastnet1.tor.n	213.8.8.192	DNS-Top	25767	7696	Fallback	Fallback Pipe
06 12:53 to 12	chaos.barak.n	igroup403.mspri	HTTP-authen	587976	449387	Web Direct	Fallback Pipe
06 12:53 to 12	shdn01.ch.in	204.0.89.94	DNS	25774	25478	DNS	Fallback Pipe

NetAccountant's agent-based tabular report shows all session data

• Server-Based Reporting

The server-based NetAccountant Reporter lets you create rich graphical reports based on the traffic and session data collected by the NetEnforcer. In addition to basic reports such as "most active clients" or "top protocols", NetAccountant Reporter offers drill-down reports such as "most active clients for Gold Service Pipe" or "top protocols per server."



Protocol distribution report as shown by NetAccountant Reporter

Features and Capabilities

Record Complete IP Session Details

NetAccountant collects complete details of each IP session, modeled on telephony's well-known call detail record (CDR). NetAccountant records time period, origin, destination, service/protocol, traffic quantities, policies used, and Type of Service (ToS) setting. Complete session details enable you to generate reports regardless of the policies used to manage your bandwidth. This enables you to observe new network phenomena before they negatively impact your network and to proactively set and modify network policies.

Create Detailed Performance Reports

The NetAccountant Reporter enables network administrators to create advanced network usage reports for improved allocation of network resources. Multi-dimensional bar and pie charts provide a comprehensive view of network traffic and behavior. In just a few steps, NetAccountant's Report Wizards lets you quickly create scheduled or on-demand reports.

Enable Usage-Based and Tiered Services Billing

Service providers can use the NetAccountant to measure specific customer usage of bandwidth and resources. This information enables them to create multiple service offerings and to bill for actual bandwidth used. For example, customers could be charged one rate for data traffic and a higher rate for voice over IP in which a higher level of quality of service is required.

OSS and Billing Support

NetAccountant's efficient interface to operational support systems (OSS) and customer care and billing systems (CC&B) provides the session-oriented information needed for accurate customer charging and rating. For example, this can be performed by using the RADIUS accounting interface.

Optimize Link Utilization

Use NetAccountant to create protocol and host distribution reports on specific problem areas in your network. After pinpointing under- and over-utilized links and resources that prevent maximum network and application performance, adjust your network policies to reallocate bandwidth and the distribution of applications to servers.

Product Specifications

NetAccountant

Accounting

- In-box accounting per session for all sessions

Database (session data includes)

- Traffic volume: inbound, outbound
- Host: internal, external, clients, servers
- Service: according to network application
- Policy: Pipe, Virtual Channel
- ToS: Type of Service marking

Agent-Based Reports

- View, print, schedule tabular reports
- Define templates for repeated use

Data Export

- Access to data via Microsoft ODBC interface
- To RADIUS server

Export Reports

- To HTML and CSV

Browser Support

- MS Internet Explorer 5.5, 6.0 (Windows 2000/XP)

NetAccountant Reporter

Accounting

- Out-of-box per session for all sessions

Hardware & Software Requirements

- Pentium 4.2.4 GHz or above
- 1 GB RAM (minimum)
- 80GB disk space (minimum)
- Microsoft Windows 2000/XP
- NetEnforcer AC-402/802 and AC-10x0

Reporting Functions

- Graphical or tabular formats
- Report by total traffic volume, or rate

Report Parameters

- Traffic criteria: per Pipe, Virtual Channel, service, internal, external, clients, servers
- Time period: per hour, day, month, or all data
- Basic and advanced (drill-down)

Export Reports

- To MS Office applications, PDF, CSV, XML, HTML

About Allot Communications

Allot Communications is a leading provider of intelligent IP service optimization solutions. 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 visionaries, innovators and support engineers.

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