Allot Traffic Intelligence Platform - Centralized Management

NetXplorer

Excellent Visibility and Centralized Management of All Network Traffic

As an IT manager, you need to understand how applications and users consume network bandwidth resources. Excellent visibility into your network will help you define traffic management policies that control application performance to conform to your business priorities, and make sure your network services are meeting user expectations.

Allot NetXplorer, the scalable management system of the Allot Traffic Intelligence platform, provides a centralized interface for network-wide configuration, monitoring, troubleshooting, and reporting. NetXplorer's intuitive, HTML-based Graphical User Interface (GUI) displays a consolidated picture of the application, user, and network topology traffic, and enables easy drill-down to the most granular view of enterprise traffic data. With a full complement of real-time and long-term reporting capabilities, Allot NetXplorer provides unsurpassed visibility for proactive troubleshooting and traffic trend analysis to simplify network complexity and assist you with capacity and service planning.

In addition, IT teams can easily take actionable steps to assure alignment with business priorities.

NetXplorer's intuitive UI enables quick and effortless self-defined configuration and creation of policy enforcement rules over network elements.



Graphical dashboards

Benefits

- Insightful IT decision making through superior traffic visibility and analytics capabilities.
- Simplifying network complexity and the required corrective actions to take, thanks to quick and intuitive troubleshooting.
- Effective operation through centralized management.
- Rapid policy creation and enforcement through intuitive UI for user-defined, reusable policy assets.

Enhanced Traffic Visibility

Allot NetXplorer's reporting and analytics capabilities span a broad range of dimensions:

Application-based reports: granular statistics and analysis of internet applications, classified and grouped into categories such as business applications, streaming applications, network operations, and others enable aggregated view and analysis of specific application types. Additionally, IT teams can drill down to a particular application level such as Office 365, Zoom, Teams App, Salesforce and others for specific analysis and enforcement.

Web reports analyze internet usage across applications such as browsing, streaming and downloading (including web encrypted traffic) - showing which websites generate the most traffic.

End-User reports: while integrated with the organization's Active Directory, NetXplorer provides individual and aggregated end-user reports showing employee usage behavior.



Most Active Applications report



Total BW trend over time

Rich Set of Reporting Functions

- Real-time reports provide precise traffic statistics for quick diagnosis of network problems
- Historical traffic statistics facilitate network capacity planning and trend analysis
- Easy navigation (including zoom or scroll) to view all report data in graph or tabular format, within desired timeframe, and with drill-down for viewing more granular data
- Dashboard displays up to 10 frequently used reports on a single screen for efficient viewing
- Report exporting in the most-used formats
- Scheduled reports for automatic generation and email distribution
- Multiple chart styles including color-coded, pie, line, and stack-area charts

Simplifying Network Complexity Through Advanced Troubleshooting

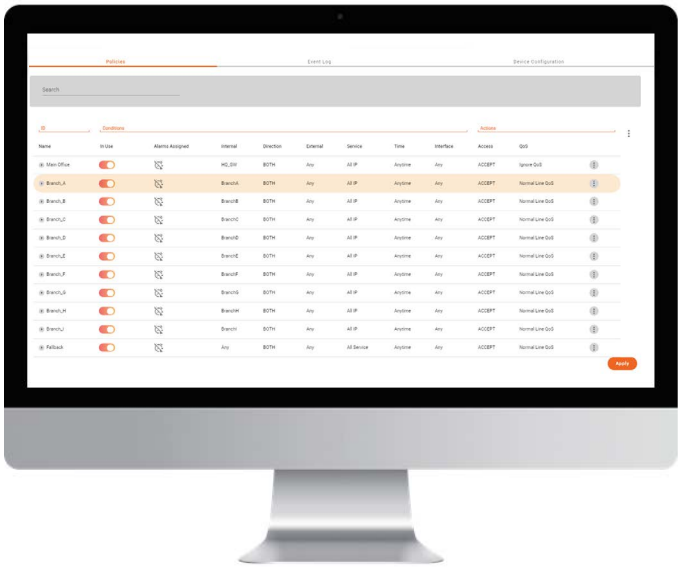
Through its graphical dashboards, Allot NetXplorer's multi-dimensional, clear visibility empowers IT managers to take prompt action to resolve network issues cleverly and quickly, before any degradation in network traffic or degradation of end-users' digital experience.

Color-coded alarm notifications inform the IT manager, in real-time, about the number of alarms for each category severity. In addition, advanced drill-down capabilities present detailed information for each alarm, guiding the IT manager on the required corrective action.

One Network - One Management Front End

Allot NetXplorer provides centralized visibility that is accessible to multiple clients and designed to manage a globally dispersed network infrastructure.

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Policy enforcement intuitive UI

Powerful Policy Control

Allot NetXplorer's full set of reusable service catalogs and provisioning tools make it easy to build dynamic Quality of Service (QoS) enforcement policies to improve network Quality of Experience (QoE).

Enforcement Policy

Allot's Enforcement Policy Editor provides a powerful framework for defining specific traffic conditions and QoS enforcement actions according to high-level, easy-to-understand concepts. Enforcement policies may include any combination of access, priority, bandwidth allocation, traffic shaping, traffic steering, and quota actions to be taken on application and subscriber traffic. Additionally, a rich Command Line Interface (CLI) and a REST API interface for powerful Policy Control allow external systems to provision policies and distribute them to all managed elements.

Auditing

NetXplorer provides detailed audit log and Syslog integration with 3rd party centralized management systems, supporting the organization's regulatory compliance and investigation and reconciliation needs.

NetPolicy Provisioner

The Allot NetPolicy Provisioner (NPP) adds distinctive value to organizations that need to enable multi-tenant self-service offerings for remote branches or business customers. Thanks to advanced multitenancy capabilities, it allows Managed Service Providers and Advanced Technology providers to offer self-monitoring and self-provisioning capabilities to their customers. The web-based NPP GUI is accessible from any browser window and provides direct access to a predefined set of NetXplorer real-time monitoring reports with full display options and drill-down capabilities. If desired, the provider may also permit customers to provision and adjust QoS policies within predefined limits.

Allot NetXplorer

	NetXplorer Server
NetXplorer - Standalone	Single 1U standalone Server
NetXplorer - High Availability Cluster ordering option	High availability 4U cluster based on 2X1U servers and external storage system (2U) - See specifications in next page
Server Specifications	
Processor	Intel® Xeon® Silver 4214 Processor 2.20 GHz, 12 Core
Memory	2x16GB DDR4
Hard Drive	4x480GB SSD
Power supply	2x750W
Typical Consumption	171W
Input Voltage	100 - 127 (nominal) V AC; 50 Hz / 60 Hz 200 - 240 (nominal) V AC; 50 Hz / 60 Hz
Typical Heat Output	100 - 127 V 3357 BTU/hour 200 - 240 V 3269 BTU/hour
Dimensions	Height: 43 mm (1.7 in) Width: 434 mm (17.1 in) Depth: 715 mm (28.1 in)
Weight	Server weight: 13.5kg (29.8lbs) Server including packing (box, rails and cables): 23.5kg (51lbs)
Operating Temperature	ASHRAE Class A4: 5 °C - 45 °C (41 °F - 113 °F)
Operational Relative Humidity	ASHRAE Class A4: 8% - 90% (non-condensing); maximum dew point: 24 °C (75 °F)
Safety Agency Approval	CB, cTUVus, india BIS
Certifications/Susceptibility Standards	United States FCC Part 15, Class A Canada ICES-003/NMB-03, Class A UL/CSA 60950-1 ,EN 62368 Mexico NOM-019 Argentina IEC60950-1 Japan VCCI, Class A Australia/New Zealand AS/NZS CISPR 22, Class A China CCC GB4943.1, GB9254 Class A, GB17625.1 Taiwan BSMI CNS13438, Class A; CNS14336-1 Korea KN22, Class A; KN24 Russia/GOST ME01; IEC-60950-1; GOST R 51318.22, 51318.24, 51317.3.2, and 51317.3.3 IEC 60950-1 (CB Certificate and CB Test Report) Europe CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3) CISPR 22, Class A Germany TUV-GS (EN60950-1 /IEC60950-1,EK1-ITB2000) Reduction of Hazardous Substances (ROHS) Energy Star 2.1
Ethernet interfaces	4x1GbE RJ45

Specifications

	External storage system
Hard Drive	5x1.2TB HDD
Power supply	2x800W
Typical Consumption	350W
Input Voltage	100 - 240 V AC 50 - 60 Hz
Typical Heat Output	2,730 BTU per hour
Dimensions	Height: 8.7 cm (3.4 in.) Width: 48.3 cm (19.0 in.) Depth: 55.6 cm (21.9 in.)
Weight	22kg (48lbs) Package Weight including box, rails and cables 34kg (74lbs)
Operating Temperature	5°C - 40°C (41°F - 104°F)
Operational Relative Humidity	8% - 85%
Safety Agency Approval	CB, cTUVus, india BIS, nebs 3
Certifications/Susceptibility Standards	FCC - Verified to comply with Part 15 of the FCC rules, Class A Canada ICES-003, Class A Australia and New Zealand Class A statement European Union Council Directive 2004/108/EC EN 55022, Class A Japan VCCI Class A statement People's Republic of China Class A statement Taiwan Class A compliance statement Korea KCC Class A statement Mexico NOM-019 EN 62368-1:2014 EN 62479:2010 EN 55024:2010 EN 55032:2015 (Class A) EN 61000-3-2:2014 EN 61000-3-3:2013 EN 50581:2012 EN IEC 63000:2018
Ethernet interfaces	4x1GbE RJ45

Hardware Specifications

When using non-redundant management platforms, Allot NetXplorer software may be purchased and installed on enterprise equipment that meets Allot's minimum capacity and configuration requirements. The minimum configuration supports a limited number of Allot Service Gateway, Allot NetEnforcer, and Allot Data Collector platforms. Individual sizing requirements should be obtained from your Allot representative.

Virtualized NetXplorer Management

Allot NetXplorer is available as a virtual appliance, running on VMWare in an ESXi environment. Allot virtual appliances are compatible with VMware vCenter 6.7 and higher. For optimal performance, the virtualized environment should be able to provide adequate compute, storage, and network resources according to Allot NetXplorer requirements. Please see Allot Virtual Machine Support Guidelines (Allot Tech Note 1306) for further information.

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