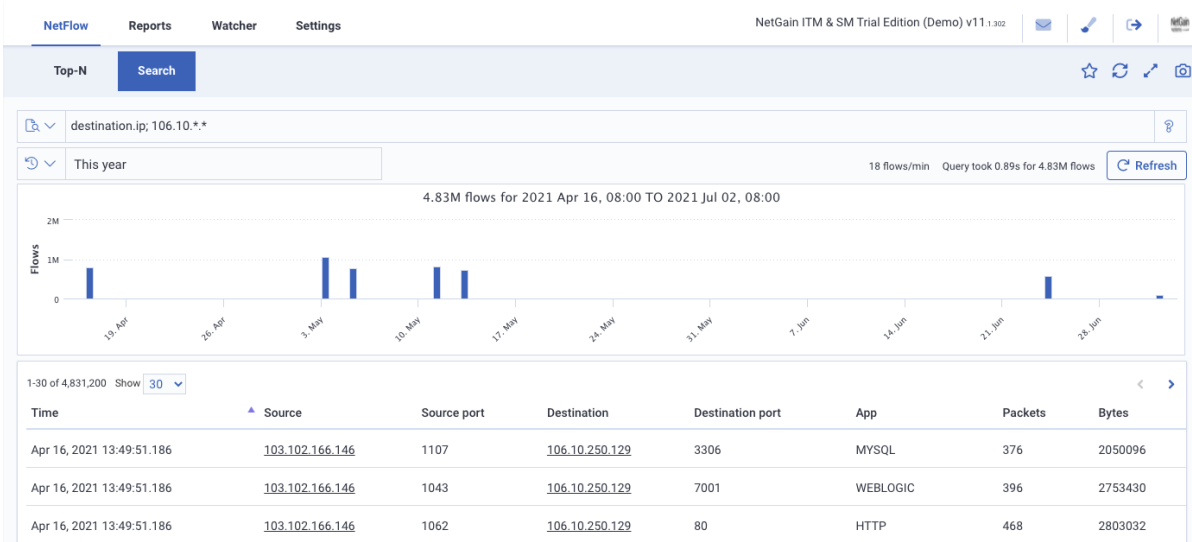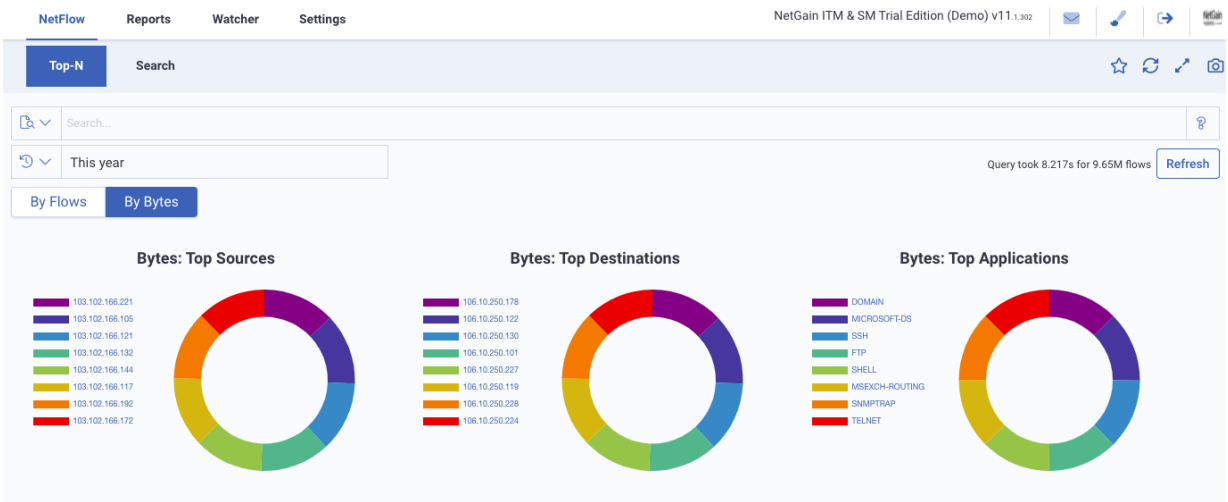# NetGain Network Traffic Analytics

The network has become an integral part of an enterprise. The rapid growth in networks has created a need for better network performance and manageability. Besides managing the health of the IT infrastructure and devices, network managers need to understand and have visibility to the traffic that is traversing their networks.

A network flow is a unidirectional sequence of packets that pass through a network device. . Network flows are highly granular; and include details such as IP addresses, packet and byte counts, timestamps, Type of Service (ToS), application ports, input and output interfaces, etc. Common network flows include NetFlow (Cisco proprietary), J-Flow (Juniper proprietary), and S-Flow (industry standard).

The visibility of network traffic gives network managers the ability for capacity management and planning, allows them to investigate problems and security threats, and track anomalies and performance issues.

NetGain Network Traffic Analytics is a comprehensive tool that provides the full visibility of network traffic in the enterprise network. It is easy to use, with powerful search and query functionality, reporting capabilities, and the capability to alert the network manager whenever there is abnormal traffic or traffic surges.

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BENEFITS

1

Optimize your network usage

NetGain Network Traffic Analytics is used by the network operations team to have better visibility to the traffic that is traversing the enterprise network. The enterprise is aware of the bandwidth usage, types of traffic, and the top sources and destination of the traffic, among other useful information. The network team can use the information to better design and maintain their network capacity and usage.

2

Faster problem resolution

NetGain Network Traffic Analytics is built on top of Elasticsearch database, which is highly scalable and high performing. The powerful and fast search and query function offers search suggestions and filters that enable the network operator to effectively drill down to the actual problem so that it can be managed quickly and efficiently.

3

Proactive alerts to potential issues

NetGain Network Traffic Analytics help the enterprise by alerting the network operator to potential or real issues.   The operator can set thresholds whereby an alert is sent once the threshold is triggered. The Watcher function also allows the operator to set queries and send alerts when the key word or phrase is triggered.

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FEATURES

1

Intuitive dashboard – Top N view

Top-N These dashboards give the top-N based on source, destination, applications, countries, exporters, cities and IP groups, by flows or by bytes. Dashboards are interactive, and the user can manipulate the data as required. Search is also supported and the user can select query and time range for the dashboards.

2

Powerful and fast search and query

The system provides a powerful search function with smart suggestions. Time frame can also be selected for the search. Results are displayed on a chart and in detail. The chart supports drag and drop so the user can zoom into the time range to do their investigations efficiently. Search performance is very fast.

3

Watcher and reports

The Watcher functions as a guard to flag out any traffic that is abnormal or unexpected. It can be easily configured to detect any unusual traffic volume within the network. There is also full reporting capability built in that supports standard configurable and user-defined reports.

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ABOUT NETGAIN SYSTEMS

Founded in 2002, NetGain Systems is a pioneer in the IT monitoring business and has established local teams throughout the Asia Pacific Region, including Australia, China and Singapore.

Regardless of location, type, size, or complexity, our solutions give customers the power to monitor their IT services, infrastructure, applications and devices with ease, all from a single management dashboard, so you can maximize uptime and achieve IT excellence.

By understanding that every organization's IT environment is different, NetGain's dynamic solutions are designed to be uniquely adaptable, fitting the unique demands of your operating environment and evolving with your growing organization.