NetGain Network Traffic Analytics Datasheet

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

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.

NetGain Network Traffic Analytics is available as an on-premise software of as a software-as-a-service (SaaS) offering

Key Features

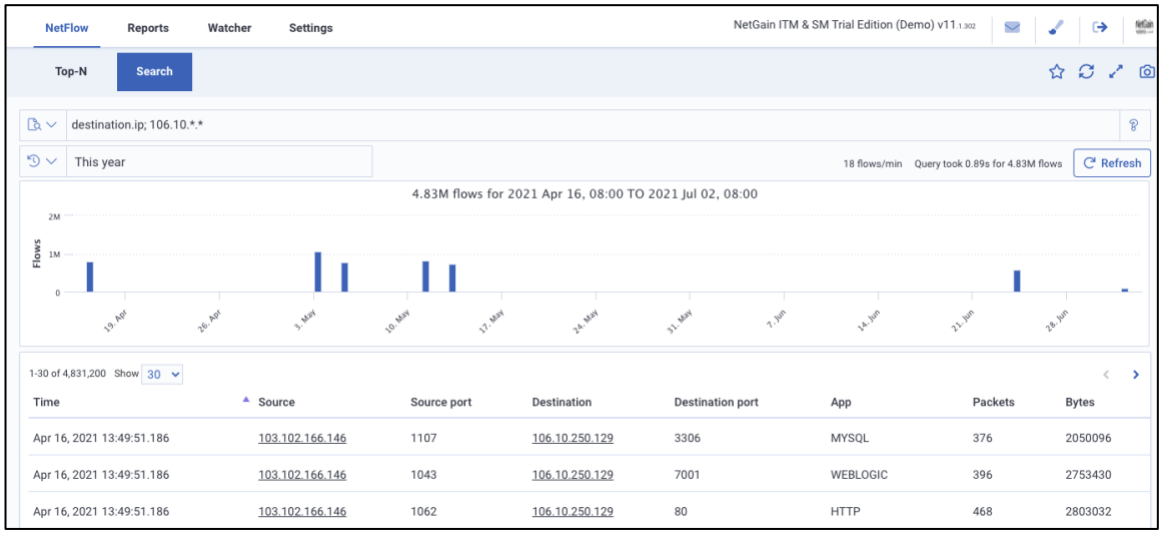
- Protocols supported

The protocols supported are NetFlow, S-Flow and J-Flow. NetFlow is a Cisco protocol that is supported only on Cisco devices. J-Flow is a Juniper protocol that is supported only on Juniper devices. S-Flow is an industry standard that is supported by many networking vendors such as Alcatel Lucent, Arista Networks, Aruba Networks, Cisco, Dell, Fortinet, F5, Huawei, Juniper, Ruckus, among others.

- 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.

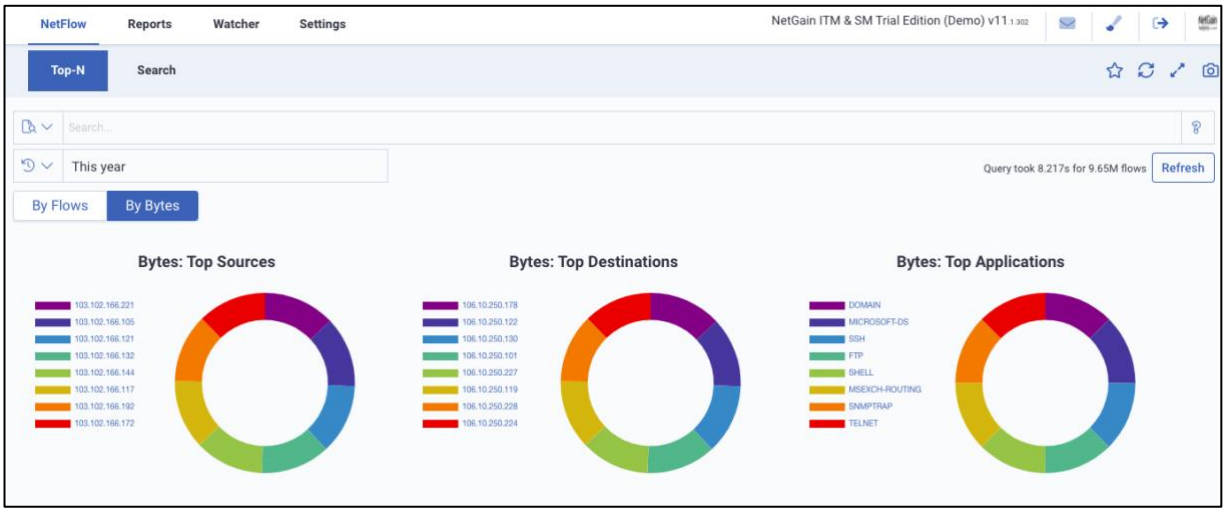
Search performance is very fast. NetGain uses Elasticsearch as the underlying database, so the system can search and display results quickly even in a large data set.



- Top-N dashboards

Top-N dashboards are provided as a standard. These dashboards give the top-N based on source, destination, applications, countries, exporters, cities and IP groups, by flows or by bytes.

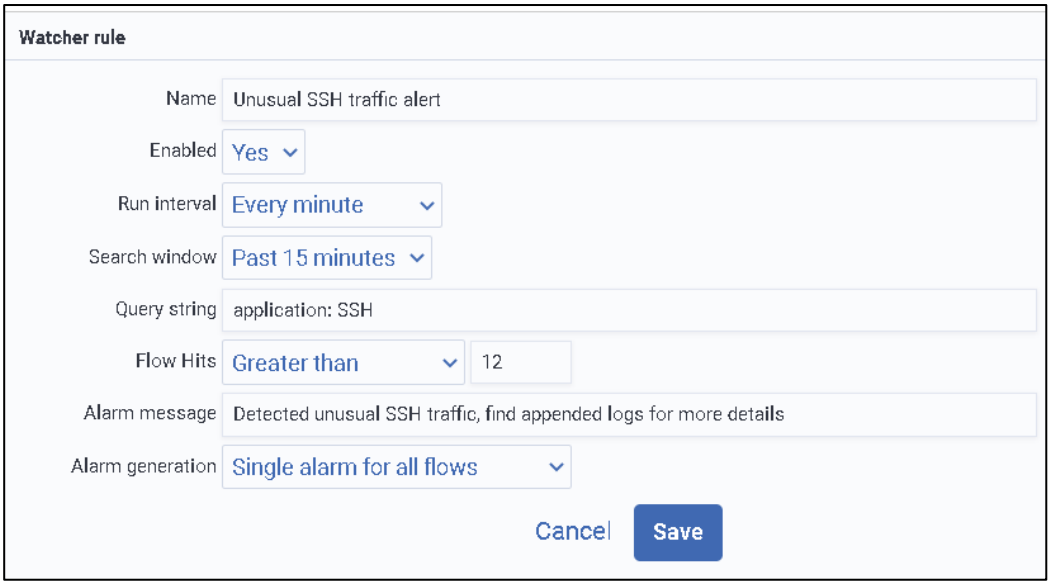
Dashboards are interactive, and the user can manipulate the data as required. Search is also supported and the user can select query and time range for the dashboards.



Watcher

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. Any unrecognized protocol or surge traffic can be detected and alerted to the network team instantly.

The following is an example of setting the Watcher.



System Requirements

The requirements for running and operating NetGain NTA will depend on the number of devices and the size of the network it is deployed in. The following gives an indication of the hardware requirements for a given IT environment.

Minimum Hardware specification:		
	Minimum	Recommended
CPU	Dual Core Intel-compatible x64 CPU	Quad Core Intel-compatible x64 CPU
Hard disk	60GB	500GB
RAM	4GB	16GB
OS Supported	Linux-CentOS 7 / RHEL8 or equivalent	Linux-CentOS 7 / RHEL8 or equivalent
Browser Support	Firefox, Google Chrome, Safari, Microsoft Edge.	Firefox, Google Chrome, Safari, Microsoft Edge.

For sizing matters, please contact the NetGain presales team.

About NetGain Systems

Founded in 2002, NetGain Systems is a pioneer in the IT monitoring business, and continues to develop its business as it evolves from IT monitoring to IT observability. It has established local teams throughout the Asia Pacific Region, including Australia, China and Singapore.

Regardless of location, type, size, or complexity, our solutions give our customers the power to observe their IT infrastructure, services, applications and devices with ease, all from a single management dashboard, to achieve operational excellence with reduced complexity and gain useful insights to improve business outcomes.

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