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Based on feedback

gathered over 10 years

from hundreds of

NetFlow customers,

here's the top five uses

of NetFlow analysis for

network security in

ascending order... #5 -

Incident response and

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reducing MTTK. Flows  
provide a 24x7  
account of all network  
activity. An unblinking  
eye on everything that  
happens within the  
network boundaries.

## **Top 5 Uses of NetFlow for Network Security**

Netflow is a great  
addition to your  
network monitoring  
tools and shouldn't be  
overlooked when trying  
to track down an

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## **Using NetFlow for Network Security - Plixer**

NetFlow and Security,

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02/05 NetFlow is Useful

for Security • High

level diagnostics to  
classify and identify

network anomalies •

NetFlow mitigates

attacks Identify the

attack Changes in

network behaviour are

obvious with NetFlow

Classify the attack

Small size flows to

same destination

Detailed flow

information who, what,

when, and where



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iv Network Security

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About the Author Omar

Santos is a Principal

Engineer in the Cisco

Product Security

Incident Response

Team (PSIRT) part of

Cisco's Security

Research and

Operations.

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another key application of NetFlow. By monitoring NetFlow data, it's simple to understand where most of your resources are being used. Various security attacks consume resources, so if any spikes occur in a particular time or location, they can be identified and investigated for a security breach.

**What is NetFlow?**

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## **The Complete Guide**

## **to NetFlow**

## **Monitoring**

NetFlow Auditor

provides visibility of every network conversation and

scales beyond any

other product in the industry. Today's IT

departments are faced with the complexities

of convergence of networks, increased

data and NetFlow volumes, heightened

security vulnerabilities

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and threats, legislation

and compliance issues,

rising network costs,

network performance

demands, and

stringent budgets.

**Network Security**

**Forensics - Netflow**

**Auditor - Integrated**

...

Take advantage of  
NetFlow to analyze  
network traffic flow and  
gain complete insight  
needed to prevent  
attacks, data

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exfiltration, and

viruses. NetFlow And Ipflix

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Security: NetFlow tools

can be used to

spotlight anomalies in

baseline network

behavior, providing

admins with forensic

evidence and tools to

examine cybersecurity

events in detail.

Troubleshooting issues:

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NetFlow Analysis

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If you experience a network slowdown or sudden changes in traffic, NetFlow data can be useful in determining exactly what devices or processes are causing the bottleneck.

## **What Is NetFlow? Analyze Network Flow and Data | SolarWinds**

NetFlow is a feature that was introduced on Cisco routers around

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1996 that provides the

ability to collect IP

network traffic as it

enters or exits an

interface. By analyzing

the data provided by

NetFlow, a network

administrator can

determine things such

as the source and

destination of traffic,

class of service, and

the causes of

congestion. A typical

flow monitoring setup

consists of three main

components: Flow

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exporter: aggregates  
packets into flows and

exports flow records ...

**NetFlow - Wikipedia**

IP flow monitoring

(NetFlow), coupled with  
security focused

NetFlow collectors like

StealthWatch system,

quickly identifies

unusual or suspect

activity and anomalous

behaviors. Full NetFlow

provides unsampled

accounting of all

network activity on an



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IP flow-enabled interface and is useful in correlation and data analytics.

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**Network as a Security Sensor White Paper - Cisco**

Visibility into the network is an indispensable tool for network and security professionals and Cisco NetFlow creates an environment where network administrators and security

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professionals have

the... flow And Ipfix

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Visibility into the  
network is an

indispensable tool for

network and security

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NetFlow creates an

environment where

network administrators

and security

professionals have the

tools to understand

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who, what, when,

where, and how

network traffic is

flowing.

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NetFlow is an enabler

of modern network

management and

security. It is the most

widely used standard

for network traffic

monitoring providing

network

administrators,

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Network Analysts  
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security engineers and operations managers with a deep knowledge about their IT environment.

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**Netflow, a new era of network traffic monitoring |**

**Flowmon**

NetFlow for  
Cybersecurity and  
Incident Response  
NetFlow is a  
tremendous security  
tool. It provides  
anomaly detection and

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investigative

capabilities that can be

helpful in incident

response. The Cisco

Cyber Threat Defense

(CTD) solution uses

NetFlow as the primary

security visibility tool.

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Visibility into the

network is an

indispensable tool for

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professionals and Cisco

NetFlow creates an

environment where  
network administrators  
and security

professionals have the  
tools to understand

who, what, when,

where, and how

network traffic is  
flowing.

## **Network Security with NetFlow and IPFIX: Big Data ...**

Having intrusion  
detection tools in

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In addition to multiple firewalls for network security is not always an easy or feasible option. NetFlow Analyzer's Advanced Security Analytics Module is a flow-based security analytics and anomaly detection tool that helps you detect any intrusion or attack that may have surpassed your firewall.

**Real-Time Network**

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## **Traffic Management Tools & Software ...**

i NetFlow is a protocol for collecting, aggregating and recording traffic flow data in a network.

NetFlow data provide a more granular view of how bandwidth and network traffic are being used than other monitoring solutions, such as SNMP. NetFlow was developed by Cisco and is embedded in Cisco's IOS software



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on the company's  
routers and switches  
and has been  
supported on almost all  
Cisco ...

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security - Start  
monitoring with  
PRTG now!**

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In addition to  
bandwidth and traffic  
management, NetFlow  
Analyzer can detect  
anomalies and offers  
the following network  
security solutions.

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Network forensics:  
While network  
forensics is primarily  
used to detect malware  
and attacks, NetFlow

Analyzer's forensics

report helps detect

network anomalies

while keeping track of

the overall

performance of your

network and

bandwidth.

Copyright code:

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[d41d8cd98f00b204e98  
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