



The flow-based network probe and monitoring appliance

Who is using your network? What makes your network traffic? Are there worms or viruses on your network? What applications are consuming most of the available bandwidth?

If you want to answer all these questions and many other you are a nBox user.

nBox is a flow-based network traffic analyzer capable of Cisco NetFlowTM data export and analysis. The ability to characterize IP traffic is critical for network availability, performance and troubleshooting. **nBox** offers a scalable, manageable and reliable solution to provide the necessary data and information to optimize and troubleshoot your network.

nBox includes both a NetFlowTM probe (nProbe) and a collector (ntop) for v5/v9/IPFIX NetFlowTM flows. It can be effectively used:

- for analyzing NetFlowTM flows generated by your border gateway.
- to replace the embedded, low-speed, NetFlowTM probe available on your router.

- as a NetFlowTM probe that sends flows towards one or more collectors (ntop or any other compliance NetFlowTM/IPFIX collector).
- both as a probe and collector at the same time.
- to analyze full speed Gbit networks trunk with no packet loss and delay.

nBox has been developed on Linux, and thanks to an optimized Linux kernel with a specific module (PF_RING) that significantly improves the packet capture process on 1 and 10 Gbit networks.

nBox is able to monitor network trunks at full speed without the need of a hardware accelerator card using the embedded and very intuitive web GUI.

nBox is easy to set-up and it is immediately ready for use with little configuration effort. Improvements and/or software updates released by the **nBox** team are immediately available as upgrade via Internet using a simple web interface.





NetFlow/IPFIX
Probe

Monitoring
Console

Packets

Packets

Linux Kernel



Packets

Packet
Capture
Accelerator

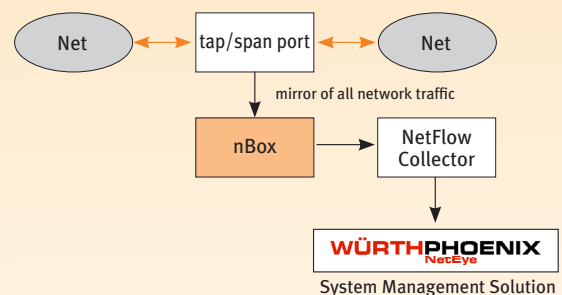
Features

KEY FEATURES

- High-performance embedded NetFlow™ v5/v9/IPFIX probe.
- Embedded Net Flow v5/v9/IPFIX collector.
- IPv4, IPv6, MPLS, GTP, GRE support.
- Easy to set-up and configure.
- No additional delay in both mirrored traffic and existing network.
- User friendly web GUI for nProbe and ntop.
- Multiple collector mode for load balancing or redundancy.
- Firmware and packages upgrade via Internet
- All software reside on flash disk.
- Optional Hard-disk for permanent storing of traffic flows.
- Ability to dump NetFlow™ flows on-disk or on Database Server.
- Over 130 Application protocols recognized including email, messaging, P2P, Skype, Citrix.

TYPICAL USAGE SCENARIO

- nBox collects traffic using one or more 100 Mbit/1 Gbit/10 Gbit Ethernet interfaces that receive packets through a passive tap (like tap/span port) or a switch mirror ports, and sends network flows in Net-Flow™ v5/v9/IPFIX format towards the configured network collector.



nBox_L

Designed to support up to 150k pps (100 Mbit capable)

- » 1U 19" rackmount nBox
- » One management port (Gigabit Copper)
- » Two monitoring ports (Gigabit Copper)

nBox_M

Designed to support up to 300k pps (500 Mbit capable)

- » 1U 19" rackmount nBox
- » Enterprise system
- » One management port (Gigabit Copper)
- » Four monitoring ports (Gigabit Copper)
- » IPMI and KVM over Ethernet

nBox_H

Designed to support up to 700k pps (Gbit capable)

- » 1U 19" rackmount nBox
- » High-end system
- » One management port (Gigabit Copper)
- » Two monitoring ports (Gigabit Fiber) Or
- » Four monitoring ports (Gigabit Copper)
- » IPMI and KVM over Ethernet

nBox_H10

Designed to support up to 5M pps (multi Gbit capable)

- » 1U 19" rackmount nBox
- » High-end system
- » One management port (Gigabit Copper)
- » Two 10 Gbit port (SX)
- » IPMI and KVM over Ethernet

nBox including PF_RING and DNA Acceleration for nProbe – High speed Monitoring