



## 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 NetFlow™ 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 NetFlow™ probe (nProbe) and a collector (ntop) for v5/v9/IPFIX NetFlow™ flows. It can be effectively used:

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

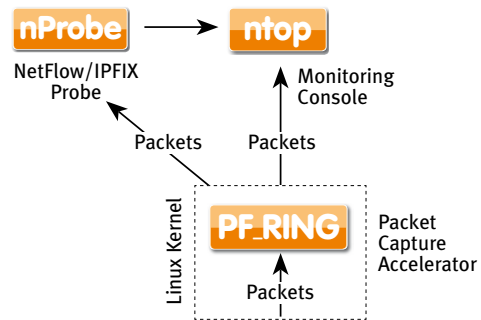
- as a NetFlow™ probe that sends flows towards one or more collectors (ntop or any other compliance NetFlow™/IPFIX collector).
- both as a probe and collector at the same time.
- to analyze full speed Gbit networks trunk with no packet loss and delay.

**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.





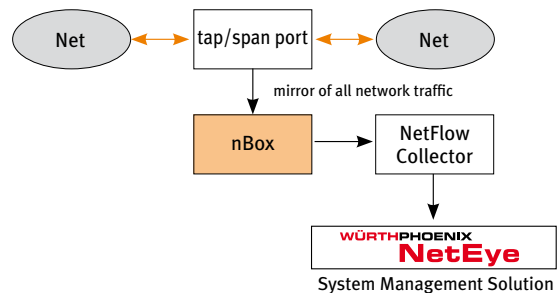
## Features

### 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	nBox_M	nBox_H	nBox_H10
Designed to support up to 150k pps (100 Mbit capable)	Designed to support up to 300k pps (500 Mbit capable)	Designed to support up to 700k pps (Gbit capable)	Designed to support up to 5M pps (multi Gbit capable)
<ul style="list-style-type: none"> <li>» 1U 19" rackmount nBox</li> <li>» One management port (Gigabit Copper)</li> <li>» Two monitoring ports (Gigabit Copper)</li> </ul>	<ul style="list-style-type: none"> <li>» 1U 19" rackmount nBox</li> <li>» Enterprise system</li> <li>» One management port (Gigabit Copper)</li> <li>» Four monitoring ports (Gigabit Copper)</li> <li>» IPMI and KVM over Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>» 1U 19" rackmount nBox</li> <li>» High-end system</li> <li>» One management port (Gigabit Copper)</li> <li>» Two monitoring ports (Gigabit Fiber) Or</li> <li>» Four monitoring ports (Gigabit Cooper)</li> <li>» IPMI and KVM over Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>» 1U 19" rackmount nBox</li> <li>» High-end system</li> <li>» One management port (Gigabit Copper)</li> <li>» Two 10 Gbit port (SX)</li> <li>» IPMI and KVM over Ethernet</li> </ul>

nBox includes PF\_RING and DNA Acceleration for nProbe – High speed Monitoring