ntop



PRODUCT BROCHURE

nProbe™ & nProbe™ Cento

Extensible NetFlow Probes and Collectors — from 1 Gbit software deployments to 100 Gbit line-rate.

Layer-7 traffic classification, flow export and collection — native to ntopng, scaling from embedded systems to 100 Gbit line-rate.

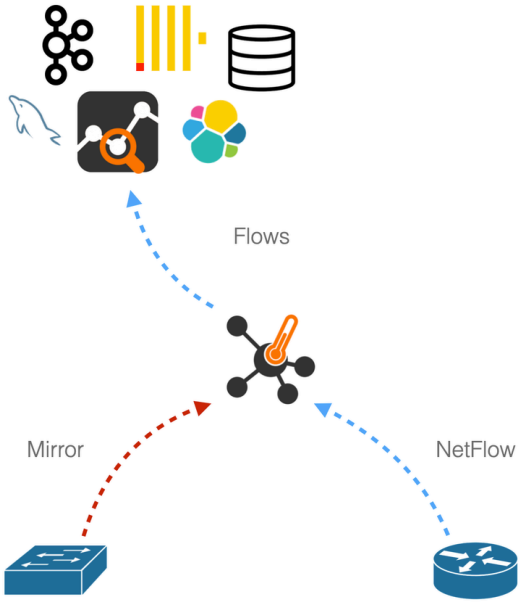
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PRODUCT BROCHURE

nProbe™ & nProbe™ Cento

Extensible NetFlow Probes and Collectors — from 1 Gbit software deployments to 100 Gbit line-rate.

In commercial environments, NetFlow is the de-facto standard for network traffic accounting. The nProbe family gives you two ways to get there: nProbe, a flexible software probe and collector for everything from embedded systems to multi-Gbit links, and nProbe Cento, purpose-built for 100 Gbit line-rate environments.



nProbe collects from mirror/TAP and NetFlow exporters, then feeds flows to ntopng, MySQL/MariaDB, ElasticSearch and Kibana.

450+	100 Gbit	3.3 Mpps	IPFIX
LAYER-7 APPS	CENTO LINE-RATE	PER CORE @ 64B	NETFLOW V5/V9 EXPORT

Works great with ntopng

Send monitored flows straight to ntopng over ZeroMQ — native integration, zero-delay collection, one encrypted web UI for visualization and analysis.

AT A GLANCE

Key Features

- **Layer-7 visibility across 450+ detected applications (Teams, BitTorrent, Citrix, and more)**
- NetFlow v5/v9/IPFIX/sFlow/NetFlow-lite support, incl. legacy routers
- Converts Cisco ASA and sFlow into NetFlow v5/v9/IPFIX
- Mobile traffic (GTP) analysis with IMSI-to-traffic correlation
- **Inline IPS mode for Layer-7 blocking and traffic shaping**
- Tunneled traffic (GRE, PPP, VXLAN, GTP) with inner/outer envelope data
- HTTP, DNS, SMTP/POP/IMAP, Diameter, Radius, DHCP, GTP, Modbus, NetBIOS logs
- Scalable, lightweight, multithreaded design for multi-core architectures (Cento)
- Flow-based load balancing, filtering & shunting to Snort, Zeek, Suricata (Cento)
- Native integration with ntopng for visualization and analysis
- Flexible NetFlow export with custom templates and optional PEN support
- Native PF_RING Zero-Copy (ZC) capture — up to 100 Gbit
- **Agent mode (eBPF) on Windows and Linux — adds users and processes to metadata**
- Export to Kafka, ElasticSearch, MySQL/MariaDB, Syslog, Splunk (TCP streaming)
- VoIP (SIP/RTP) analysis with voice quality and pseudo-MOS
- Interoperable with IsarFlow, Cisco, Dartware, Arbor, Plixer, NetFlow Auditor, SolarWinds
- **Native support for Napatech, NVIDIA/Mellanox, Intel, Silicom/Fiberblaze 100 Gbit NICs**

IDEAL FOR EVERY ENVIRONMENT

Use Cases

Software probe & collector

Collect and export NetFlow from gateways, switches and routers; replace embedded low-speed probes; analyze multi-Gbit networks at full speed; feed flows to ntopng or a commercial collector.

High-speed probe / flow exporter

Cento captures ingress packets and computes flow data at line rate, classifies traffic via DPI, and exports NetFlow v5/v9/IPFIX, JSON, CSV, Kafka or Syslog.

ntopng data source for L7 visibility at scale

Native ntopng integration turns a 100 Gbit link into a fully classified, per-application traffic feed.

Full-duplex TAP aggregator

Aggregate both directions of a TAP into a single monitored stream.

IDS/IPS balancer & inline Layer-7 bridge

Flow-based load balancing and shunting to Snort, Zeek and Suricata; or sit inline as a transparent bridge filtering and shaping traffic by application.

TECH SPECS

Specs, Sizing & Performance

PLATFORMS	Linux · Windows · FreeBSD / pfSense / OPNsense · embedded / nBox appliance
CAPTURE	PF_RING Zero-Copy up to 100 Gbit · Napatech, NVIDIA/Mellanox, Intel, Silicom/Fiberblaze NICs
EXPORT	NetFlow v5/v9/IPFIX · sFlow · NetFlow-lite · JSON · CSV · Kafka · ElasticSearch · MySQL/MariaDB · Syslog · Splunk
PROTOCOLS	HTTP, DNS, SMTP/POP/IMAP, Diameter, Radius, DHCP, GTP, Modbus, NetBIOS · SIP/RTP (VoIP, pseudo-MOS)
DETECTION	450+ Layer-7 applications via nDPI
LICENSE	Per-instance, perpetual · 1 year of updates and support included
DOCS	ntop.org/guides/nprobe/ · ntop.org/guides/cento/ †

SIZING

nProbe Pro	1 core	Multi-Gbit software probe — SMEs
nProbe Enterprise S / M / L	2–8 cores	Kafka/ES/JSON export, NetFlow-lite, agent mode — large orgs, telcos
nProbe Cento S / M / L / XL	≈10 Gbit/core	100 Gbit via RSS load-balancing; 16-core 3+GHz Xeon for full line-rate

PERFORMANCE

METRIC	NPROBE (PER CORE)	CENTO (PER CORE)
512 B / 1500 B packets	wire-rate	wire-rate
64 B packets	3.32 Mpps / 2.15 Gb/s	—
Multi-core scaling	≈4× per-core (quad-core ZC)	≈10 Gbit/core, near-linear

† Docs URLs verified ntop.org, 2026-08-30

VERSIONS & PRICING

Choose Your Version

nProbe Pro

€299.95

DPI · NetFlow/sFlow collection · PF_RING acceleration · NetFlow / ZMQ export · IPv4 dedup · Modbus

Designed for SMEs

nProbe Enterprise

S / M / L

from €499.95

All Pro, plus Kafka / ElasticSearch / JSON export · NetFlow-lite collection · deep protocol analysis · agent mode · dedup

Large orgs & telcos

nProbe Cento

S / M / L / XL

from €499.95

100 Gbit line-rate DPI · packet shunting to Snort / Zeek / Suricata · FPGA & 100G NIC support

100 Gbit environments

Enterprise S €499.95 · M €899.95 · L €1499.95 · Pro Embedded (Raspberry) €99.95 · Cento M €999.95 · L €1999.95 · XL €2999.95 · bundles with ntopng + n2disk from €1299.95 †

FEATURE COMPARISON

Rows derived from per-tier feature lists.

CAPABILITY	PRO	ENTERPRISE	CENTO
L7 DPI — 450+ applications	■	■	■
NetFlow v5/v9/IPFIX export	■	■	■
sFlow / NetFlow collection	■	■	■
PF_RING Zero-Copy capture	■	■	■
ZMQ flow feed to ntopng	■	■	■
Kafka / ElasticSearch / JSON export	—	■	■
NetFlow-lite collection	—	■	—
Agent mode (eBPF)	—	■	—
IPv4 deduplication	■	■	—
100 Gbit line-rate	—	—	■
Packet shunting to IDS/IPS	—	—	■
FPGA / 100G NIC support	—	—	■

GET A QUOTE

Free trial & downloads: ntop.org/get-started/download/ · sales@ntop.org

DOCUMENTATION & REFERENCES

nProbe User's Guide	ntop.org/guides/nprobe/
nProbe Cento User's Guide	ntop.org/guides/cento/
NetFlow / IPFIX product page	ntop.org/products/netflow/
Downloads & packages	packages.ntop.org · ntop.org/get-started/download/

ABOUT NTOP

ntop is a high-performance network traffic monitoring and analysis company. Founded in 1998 and still led by its founder, ntop has spent 25+ years building open-source-rooted, home-grown technology for network visibility, flow analysis, and cybersecurity — trusted from home networks to telcos and governments. Offices in Italy and Switzerland.

† Prices verified shop.ntop.org, 2026-08-30.

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