ntop



PRODUCT BROCHURE

ntopng™

High-Speed Web-based Traffic Analysis and Flow Collection.

360° network visibility — mirrors/TAPs, NetFlow exporters, SNMP devices, firewall logs and intrusion-detection systems, through one intuitive, encrypted web UI.

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PRODUCT BROCHURE

ntopng™

High-Speed Web-based Traffic Analysis and Flow Collection.

ntopng is a network traffic probe that provides 360° network visibility — gathering traffic from mirrors/TAPs, NetFlow exporters, SNMP devices, firewall logs, and intrusion-detection systems, all through one intuitive, encrypted web UI. It runs on virtually every Unix platform (Linux, FreeBSD, pfSense, OPNsense, macOS) and on Windows.

450+	360°	5	REST
LAYER-7 PROTOCOLS	NETWORK VISIBILITY	TRAFFIC SOURCE TYPES	API & LUA SCRIPTING

Works great with nProbe

Send monitored flows straight to ntopng over ZeroMQ — native integration, zero-delay collection, one encrypted web UI for visualization and analysis. Scale to 100 Gbit with nProbe Cento in front.

AT A GLANCE

Key Features

- **Realtime network traffic, active flows and hosts; top talkers by AS, L7 protocol, category**
- Custom historical reports with metrics and trends
- TCP metrics: retransmissions, out-of-order, packet loss
- Host geolocation, full Layer-2 support
- Packet capture via libpcap and PF_RING
- HTML5 web UI, REST API for third-party integration
- Behavioural checks and alert notifications
- **Native nTap support for remote capture on cloud, VMs, and containers**
- **Protocol/application detection powered by nDPI — 450+ Layer-7 protocols**
- Application latency, Round Trip Time (RTT), throughput
- Multimedia/VoIP metrics including jitter and MOS
- Multi-interface support: mirror, TAP, flow collection
- Flow collection from nProbe, NetFlow and sFlow exporters
- Tunnel decapsulation (GTP, GRE); export to ElasticSearch/ClickHouse
- SNMP v1/v2c/v3; Identity Management and VPN correlation
- Active monitoring and SLA reporting

WHERE IT FITS

Use Cases

Flow Collection in Enterprise Networks

Monitor hundreds of thousands of hosts with zero-delay analysis on high-speed uplinks, paired with nProbe (probe/proxy over ZeroMQ) or nProbe Cento for 100 Gbit links.

Capture from a Mirror/TAP

Monitor SPAN ports or TAP devices directly, or scale to 100 Gbit via nProbe/Cento.

IDS Integration and Security Operations

Combine L7 visibility, IDS ingestion (Suricata), syslog, and alerts for full security awareness.

TECH SPECS

Specifications

PLATFORMS	Linux · FreeBSD · Windows x64 (10/11) · macOS · RaspbianOS
UI / API	HTML5 web GUI · HTTP RESTful API · TLS/HTTPS · Lua scriptability
PROTOCOLS	Ethernet · IPv4/IPv6 · TCP/UDP/ICMP · GTP/GRE/MPLS/VXLAN · DHCP/BOOTP/NetBIOS/DNS · 450+ Layer-7 protocols
TRAFFIC SOURCES	Mirror/TAP capture · nProbe over ZeroMQ · NetFlow · sFlow · SNMP · firewall logs · IDS (Suricata)
LICENSE	Community = GNU GPLv3 · Pro / Enterprise = commercial EULA
DOCS	ntop.org/guides/ntopng/ · packages.ntop.org †

SIZING

NETWORK SIZE	THROUGHPUT	HARDWARE FLOOR
Small network	100 Mbps	2 cores / 2 GB RAM
Medium network	1 Gbps	4 cores / 4 GB RAM
Large network	10 Gbps+	8+ cores / 16+ GB RAM

† Docs URLs verified ntop.org, 2026-09-24. At 100 Gbit, pair with nProbe Cento as the probe.

VERSIONS & PRICING

Choose Your Version

Community

OPEN SOURCE · GPLV3

Free

Realtime visibility · top talkers · L7 detection · historical timeseries · VLAN/OS/Country/AS stats · alerts · active monitoring

Home users & small networks

Pro

OFFICES / SMALL ENTERPRISE

€299

All Community, plus interface aggregation · LDAP auth · enterprise-level alerts · extended behavioral checks · network matrix timeseries

Offices & small enterprises

Enterprise

M / L / XL / XXL

from €699

All Pro, plus historical data & reports · extended SNMP · NetFlow/sFlow exporter stats · identity management with VPNs · infrastructure monitoring

Large orgs, ISPs & telcos

GET A QUOTE

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

DOCUMENTATION & REFERENCES

ntopng User's Guide	ntop.org/guides/ntopng/
ntopng product page	ntop.org/ntop/
Downloads & packages	packages.ntop.org · ntop.org/get-started/download/
Companion: nProbe	ntop.org/guides/nprobe/

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.

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