ntop



PRODUCT BROCHURE

nBox™ Recorder

Turn-Key Continuous Network Traffic Recorder — up to 100 Gbit.

Every packet, captured at line-rate with zero loss and indexed on the fly. Search recorded traffic instead of scanning gigabytes of PCAP — and answer “what exactly happened at 03:14?” on any day you kept.

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Turn-Key Continuous Network Traffic Recorder — up to 100 Gbit.

nBox Recorder is a rack-ready full-packet recorder built on n2disk. It captures network traffic at line-rate with zero loss, indexes it on the fly as it lands, and lets you search recorded traffic directly — no scan, no export, no re-capture. The hardware timestamping on the 40/100 Gbit models preserves ordering with nanosecond-precision timestamps.

100 Gbit	0	On-the-fly	ns
LINE-RATE CAPTURE	PACKETS DROPPED	INDEXING WHILE RECORDING	TIMESTAMP PRECISION (HW)

Why keep the packets?

Flow data tells you *who talked to whom*. Packets tell you *what was actually sent* — the payload that proves it. When the question is forensics, compliance, or a hard-to-reproduce bug, the recorded packet is the answer. nBox Recorder keeps it in the background, so the answer is never a re-capture.

AT A GLANCE

Key Features

- **Full-packet capture at line-rate, zero loss**
- BPF filtering to record only what you need
- Dump statistics: watch what is being recorded in real time
- **On-the-fly indexing via n2disk — search, don’t scan**
- Conditional dump: threshold- or schedule-triggered recording
- Replay to a network interface, or into ntopng/nProbe for analysis

WHERE IT FITS

Use Cases

The Time-Machine Backstop

Keep continuous capture of the backbone. Any incident from the last N days has its packets on disk, indexed, ready to query — not a re-capture project.

Conditional or Always-On Recording

Run continuous capture on the critical segment and trigger-on-threshold elsewhere, or let a scheduler decide what is recorded per window. Storage budget stays a design choice.

Back-in-Time Troubleshooting

Replay recorded traffic to a test interface, or stream it straight into ntopng for a live-style analysis of a historical moment. The 3am incident stops being a mystery.

TECH SPECS

Models & Specifications

PLATFORM	Linux · Web GUI with TLS/HTTPS
ON BOARD	nboxui · n2disk (full-packet recorder with on-the-fly indexing)
CAPTURE	PF_RING based · nanosecond-precision timestamps · hardware timestamping on R40/R100
CHASSIS	19″ rack-mountable · Dell warranty up to 3 years

MODEL LINE

MODEL	PORTS	THROUGHPUT	STORAGE	HEIGHT
R10	2× 10 Gbit Intel ZC SFP+	2× 10 Gbit/s (2× 14.88 Mpps)	8× 0.96 TB	1U
R40	2× 40 Gbit FPGA HW timestamps QSFP28	2× 40 Gbit/s FPGA	8× 1.6 TB	1U
R100	1× 100 Gbit FPGA HW timestamps QSFP28	100 Gbit/s line-rate FPGA	8× 1.6 TB	2U

Throughput figures are sustained capture rates. At 100 Gbit, sustained capture is roughly 4.5 TB/hour — plan retention accordingly or use conditional recording to size the disk pool to your workload.

DEPLOYMENT & SUPPORT

Put It on the Wire, Forget About It

nBox Recorder is designed to be deployed and left alone: a single box on the mirror, a disk pool, and the web GUI for the rare time you need to look. No agent, no license server, no per-GB bill. The recorder just keeps recording — and the moment it matters, the packets are already there.

GET A QUOTE nbox@ntop.org · ntop.org/support/need-help/contacts/

DOCUMENTATION & REFERENCES

n2disk User's Guide	ntop.org/guides/n2disk/
n2disk product page	ntop.org/n2disk/
Companion: ntopng	ntop.org/guides/ntopng/
Downloads & packages	packages.ntop.org

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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