

Webinar will start at 16:05 CET / 10:05 AM ET

# ntop and AI

Agents, Network Intelligence, and Explainability in Natural Language

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# Webinar Highlights

- ntop Journey to AI
- Introduction to Alibaba Cloud and Qwen
- Welcome to nAnalyst
- Q&A

# Our Journey to AI

- AI integration is a project started years ago:
  - 2022: DPI features to 8-bit image (16 x 16 pixel) -> PyTorch -> Malware Similarity
  - 2024: LLM experiments, little context, little fun.
  - 2025: new LLM generation, Claude, OpenClaw -> Time to Act !

# AI Strategy [1/2]

- AI for Everybody
  - Nothing to install locally, no AI plan to pay.
  - Use anonymization to avoid exposing private data to AI companies (e.g. Google).
  - Simplify alert, flows and host health interpretation.
  - Available in all ntopng editions.

Alert	Susp. Device Protocol [ Ask Google AI ]
Flow Peers	imac [ imac ]:57621 ↔ 192.168.1.255:57621
Protocol / Application	UDP:Spotify

# AI Strategy [2/2]

- Exploit LLMs to
  - Turn ntopng into a "data factory" that can be used as building blocks for non-developers for creating new monitoring applications (e.g. using Claude/Qwen Code) "powered by ntopng".
  - Explore monitoring data and analyze it better than/with humans, create analysis pipelines, embed intelligence to answer questions ntopng cannot answer out of the box.

# AI Impact on ntop

- Before AI, humans were the "target."
  - Nice charts are better than many words: operators tend to "Grafanize" their desks.
- With AI:
  - Every alert must have a context: "this is what happened" is not enough.
  - LLMs need to know "why" and "how" a certain conclusion (e.g. an alert) was drawn.
  - Everything (e.g. DB columns) must have a description with human-readable names, no abbreviations ("pkts" is a good example), easy to correlate.

# What We'll Show you Today

- Introduce new AI-based analysis components into ntopng.
- Show how local LLMs can be used with ntopng to analyze data while preserving privacy.
- Give you an outlook of the future developments in the context of AI.

# Summer Tour 2026: Interop Tokyo June 10-12

## ntopのビジョン

当社は、さまざまな要件に対応できるコンポーネント群を開発してきました。

- トラフィックの可視化とセキュリティ (DPI、L7プロトコル対応)
- 分散プローブによる大規模ネットワーク監視
- データ保存とトラブルシューティング (n2disk)
- ネットワーク監視向けグラフィカルコンソール (ntopng)
- マルチ10Gbps/100Gbps環境対応 (送受信対応)、負荷分散、フィルタリング
- **DDoS攻撃対策** つまり私たち 一般的なサーバーハードウェア上で動作し、ネットワーク可視化に関する
- **100Gbps環境におけるトンネルを監視する(n2disk)の実現を目指しています。**

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ITS-JI ジュピターテクノロジー

Interop Japan 2026 - June 12th, 2026

<https://github.com/ntop/nDPI/> - [deri@ntop.org](mailto:deri@ntop.org)

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June 9th Webinar: Agents, Network Intelligence, and Explainability in Natural Language

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# Summer Tour 2026: Next Dates

- GRNOG 20  
Athens, Greece, June 30th.
- NONOG-8 / NIX-2026  
Oslo, Norway, September 9th.
- NOG.HR 7  
Zagreb, Croatia, September 10th.

# Feedback

- <https://forms.gle/qHG98cpUMpdfMraN6>



