

Framework for AI- assisted Policy Auditing for Compliance with the NIS2 Directive

Target Audience:

Organizations that are required to comply with the NIS2 Directive and that possess the resources and willingness to conduct internal compliance activities in-house.

Technical Ambitions:

Development and setup of a local RAG-based model for deviation detection in enterprises' security policies to constitute a decision support tool in compliance with the NIS2 Directive.

Enabling AI-assisted Policy Compliance

NIS2 compliance is particularly important for Norwegian businesses, as compliance with the directive is required for businesses operating or trading in the EU, as well as for businesses that are part of supply chains spanning into the EU.

Policy compliance often consists of manual audits, risking time consuming knowledge gathering and overlooking crucial deviations between the policies and the NIS2 Directive. Meanwhile, over the counter LLM's pose risks of hallucination, creating a need for contextual control, and outputs one can trust.

Models developed with the proposed generic framework aims to constitute evidence grounded decision support, maintaining accountability while shifting time allocation from knowledge acquisition to decision taking.

The human-in-the-loop approach, with state-of-the-art AI technologies and responsible AI principles enables technological innovation and supports comprehensive and proactive cyberdefenses.



Patryk Mariusz Okupski
patryk.m.okupski@usn.no
Cybersikkerhet og Digitalisering



Filip Andreas Larsen
240987@usn.no
Cybersikkerhet og Digitalisering

USN - Veileder
Lasse Berntzen
lasse.berntzen@usn.no

Jotun AS
Hystadveien 167,
3209 Sandefjord

