

COOCK+ LISA

LLM IMPLEMENTATION, SECURITY AND ADAPTATION

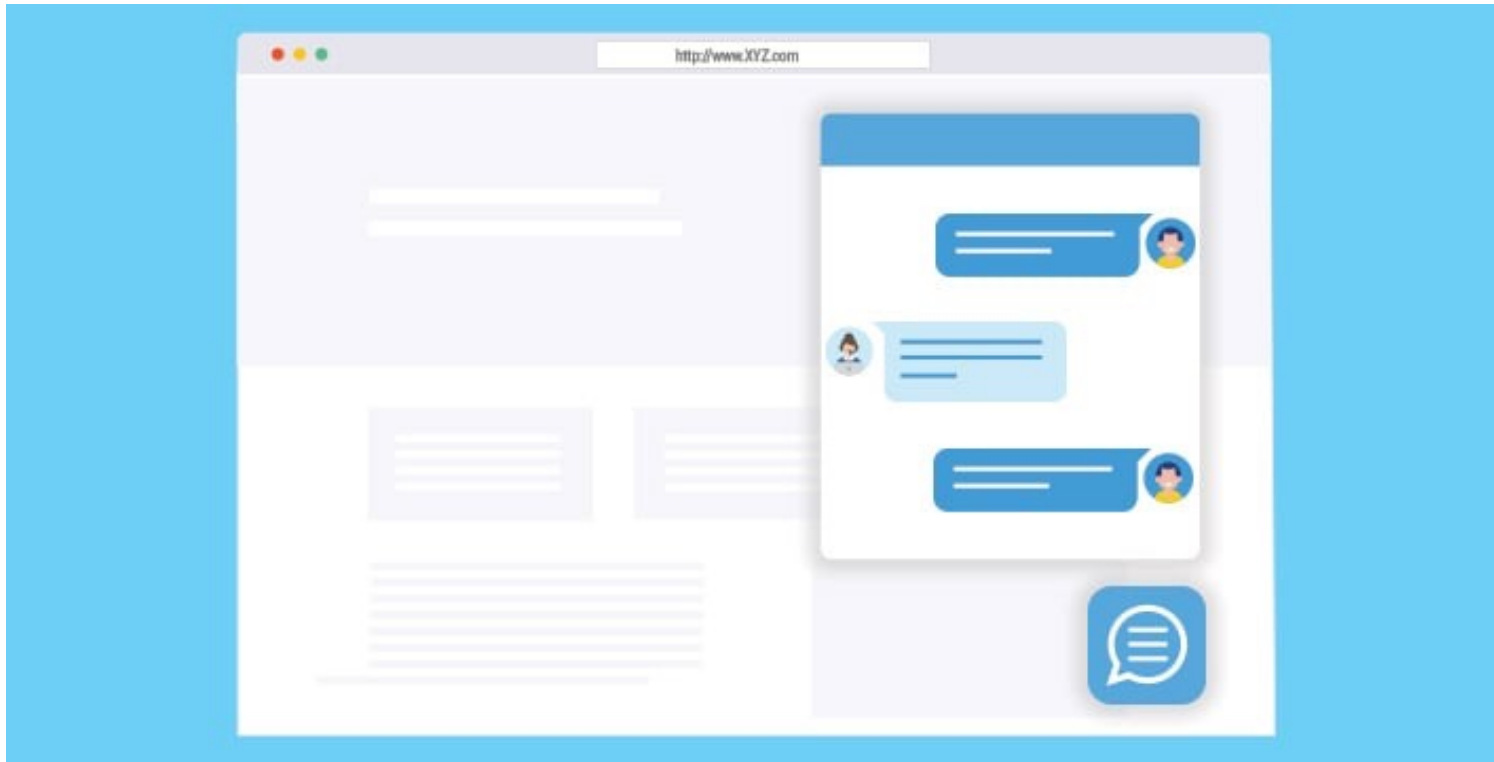


Agenda

- 1 INTRO – LISA ORIGIN STORY (SIRRIS)
- 2 COOCK+ MODALITY – WHAT'S IN IT FOR YOU? (SIRRIS)
- 3 ROUNDTABLE: WHO'S WHO (ALL)
- 4 INTRODUCTION TO LLM-RELATED CHALLENGES (DISTRINET)
- 5 CONTENT PLANNING NEXT PERIOD (ALL)
- 6 CLOSING + NETWORKING DRINK

LISA Origin Story

THE HELLO-WORLD USE CASE EVERYBODY WAS DOING LATE 2023- CHAT WITH MY WEBSITE



'50 lines of python code'

RAG FOR BEGINNERS – HOW HARD CAN IT BE?

HUMAN



You are an assistant for question-answering tasks. Use the following pieces of retrieved context to answer the question. If you don't know the answer, just say that you don't know. Use three sentences maximum and keep the answer concise.

Question: {question}

Context: {context}

Answer:

Mixed results

Sometimes it works, sometimes it doesn't.

From "This is really cool" to "What is it doing now?" and back.

And it got worse...

“What can I cook with salmon and figs?”

Here are a few tasty ideas for combining **salmon** and **figs** in both savory and sweet-savory dishes:



1. Warm Salmon & Fig Salad

Ingredients:

Grilled or roasted salmon (warm or room temperature)

....

LISA

LLM IMPLEMENTATION, SECURITY AND ADAPTATION

- Research question:
 - **how do you build llm infused applications that are reliable, robust and safe?**
- Vast solution space:
 - LLM architecture (RAG, agentic workflows, MCP, A2A, langchain, pydantic AI,...)
 - Model choice and prompt engineering
 - Guardrails
 - Observability
 - ...

VLAIO COOCK+ Modality

WHY WE ARE HERE TOGETHER

- Translation research
 - translate knowledge and technology for a specific target audience
- Collective research
 - Whatever is developed in the project, should be usable for a broader target audience – not just a single party
- User group to steer and validate our findings
- Funding partly linked to adoption of our results

- Your input will drive our work – we work on your collective challenges

LISA – Practical

- 2-3 steerco meetings / year
- Online webinars
- Technical Demonstrators
- Occasional in-person workshops where appropriate

Roundtable

- Who are you and the company you are representing
- A few words on your LLM use case
- A few words on what you would expect from us

Content Planning

Given all what was said today – which topics would you like us to work on in the coming period?

Questions, thoughts, in need of support?

Nick Boucart: nick.boucart@sirris.be

Tim Van Hamme: tim.vanhamme@kuleuven.be

Thomas Vissers: thomas.vissers@kuleuven.be