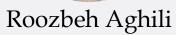


# InsightAI:

# Log and Trace Analysis using an Agentic RAG Framework







Hersh Hajare



Prince Kapoor



Anurag Prakash



Sherlog: Finding a needle in a haystack



#### First, let's introduce Sherlog!







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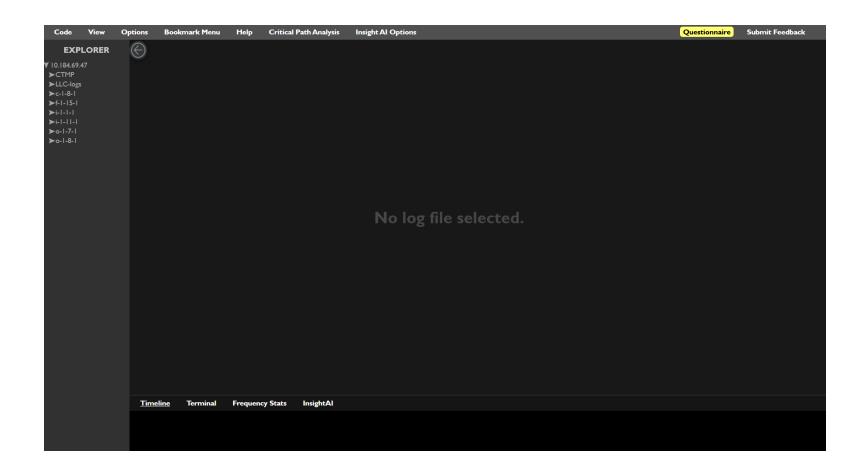


Total visits: ~10k

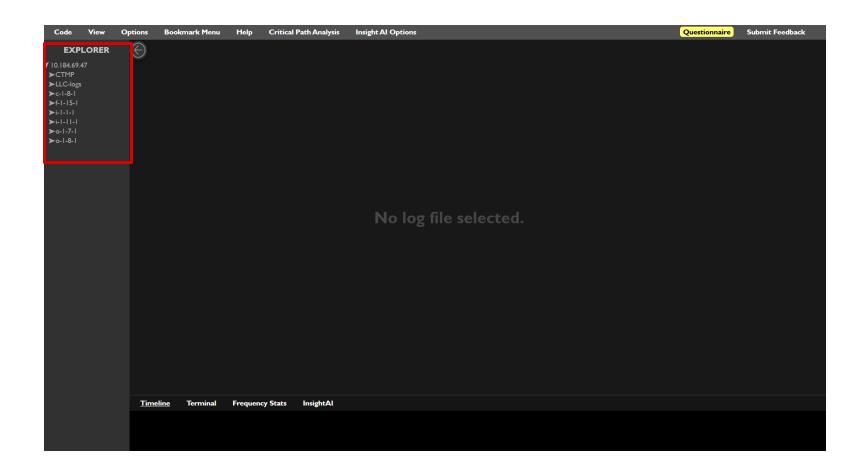
Unique users: +200



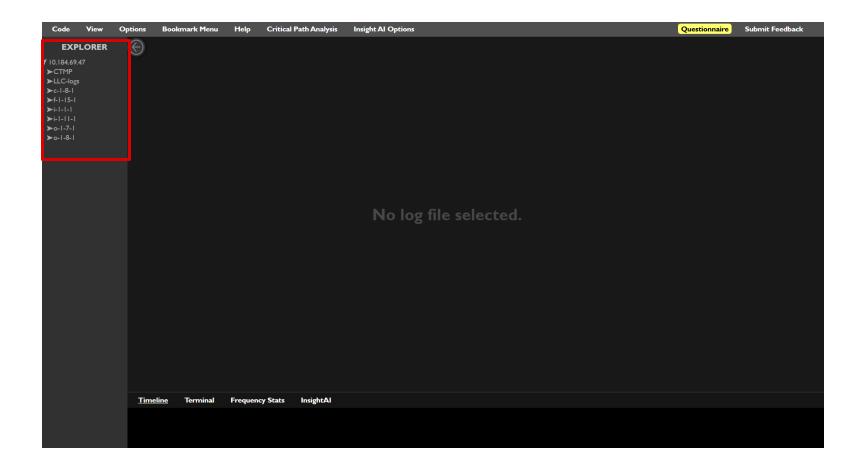


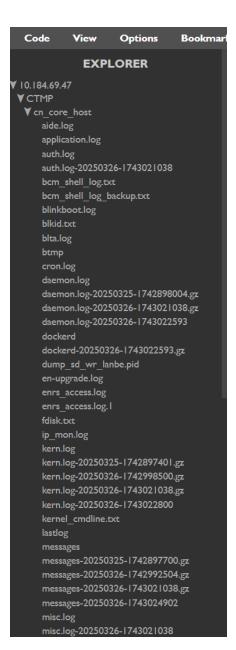




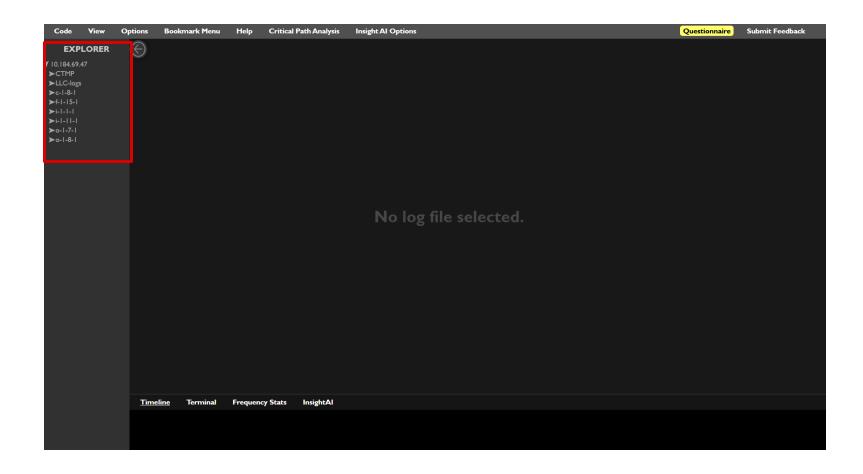


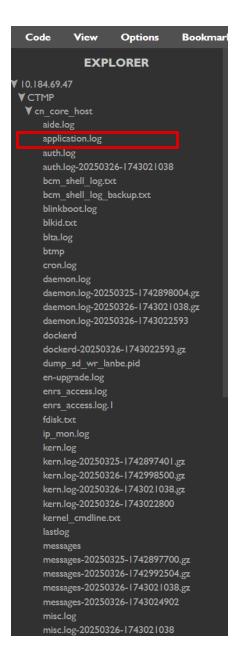




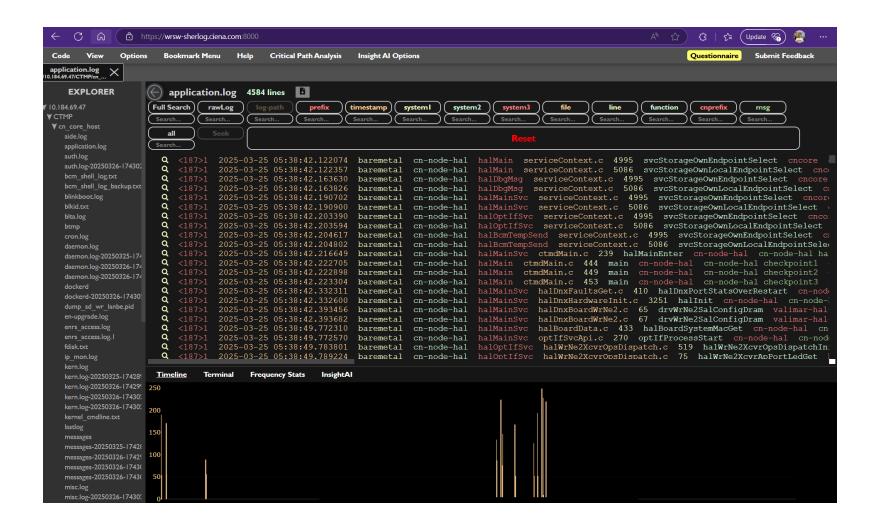




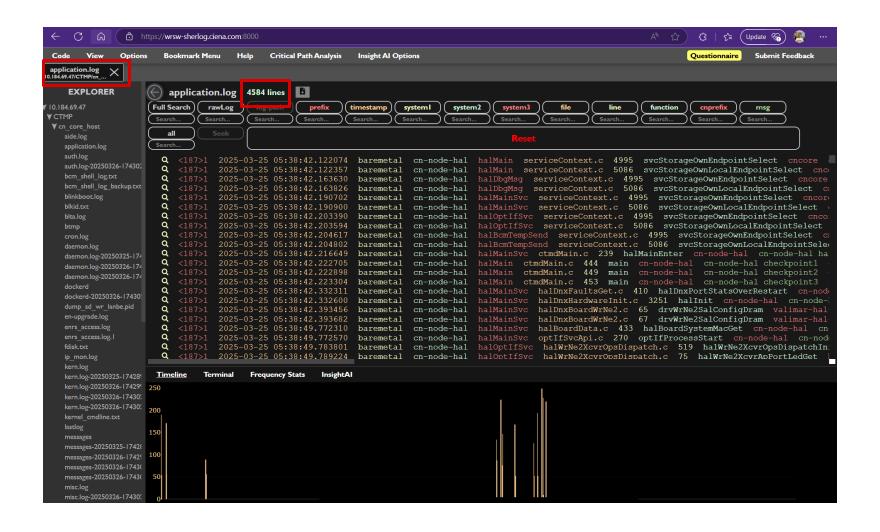




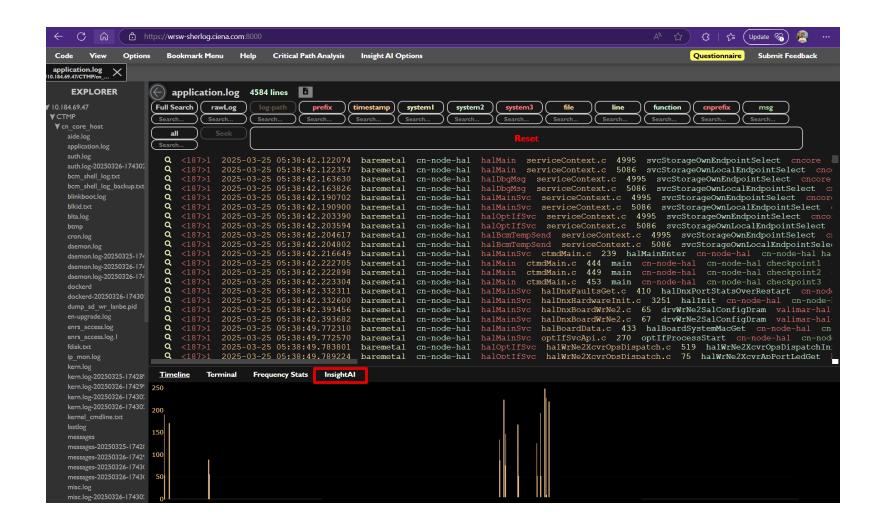














#### **InsightAI: Demo!**







#### InsightAI: Why do we need it?



Log & trace analysis using AI



Massive amount of log data for each product



Reduce manual effort of the users

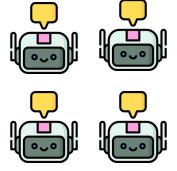


Faster root cause analysis



#### **InsightAI:** How does it work?

**Agentic AI** 



#### **RAG**

(Retrieval Augmented Generation)





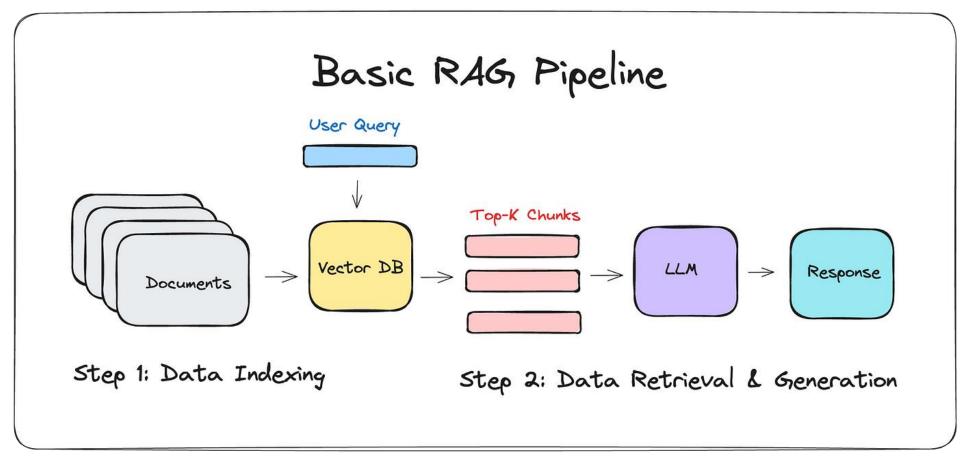




## What is RAG?



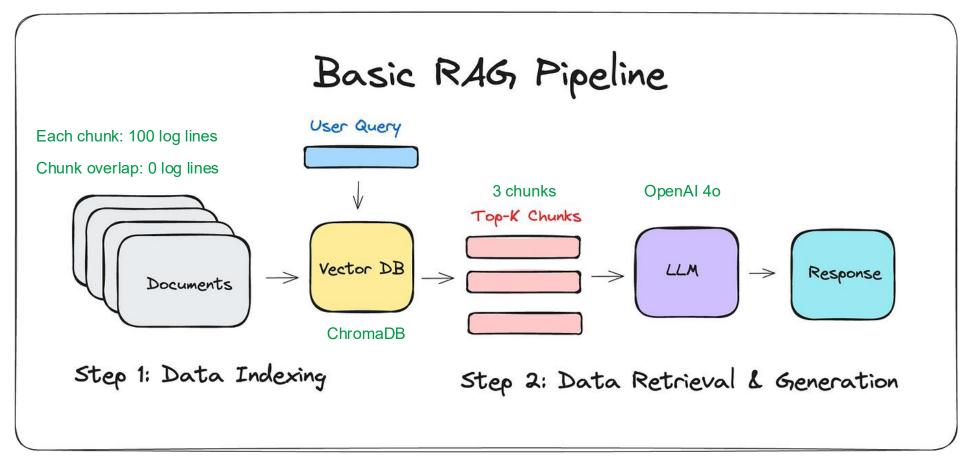
#### What is RAG?



https://medium.com/@drjulija/what-is-retrieval-augmented-generation-rag-938e4f6e03d1



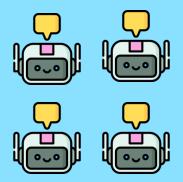
#### **InsightAI: Our RAG implementation**



https://medium.com/@drjulija/what-is-retrieval-augmented-generation-rag-938e4f6e03d1



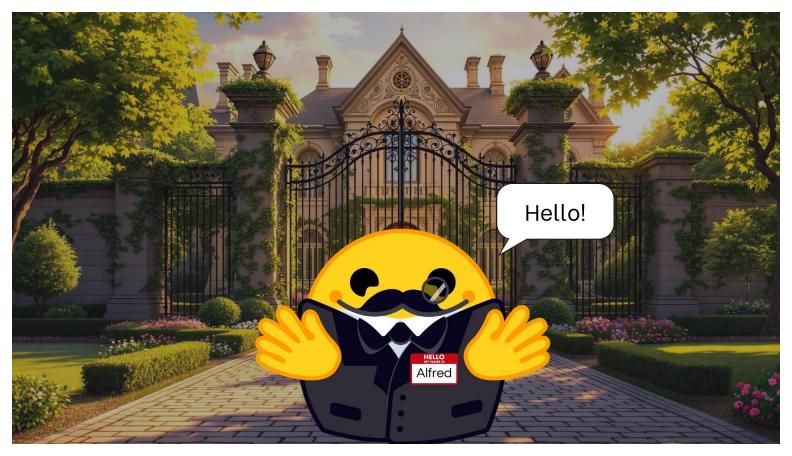
## What is Agentic AI?











https://huggingface.co/leam/agents-course/en/unit1/what-are-agents





https://huggingface.co/leam/agents-course/en/unit1/what-are-agents





https://huggingface.co/learn/agents-course/en/unit1/what-are-agents





https://huggingface.co/leam/agents-course/en/unit1/what-are-agents

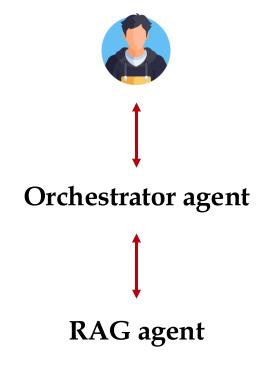




https://huggingface.co/leam/agents-course/en/unit1/what-are-agents

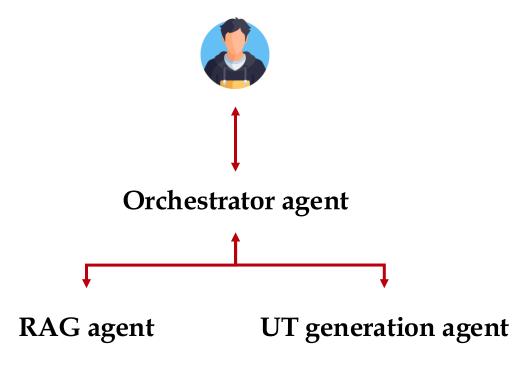


#### **Current agentic workflow in InsightAI**



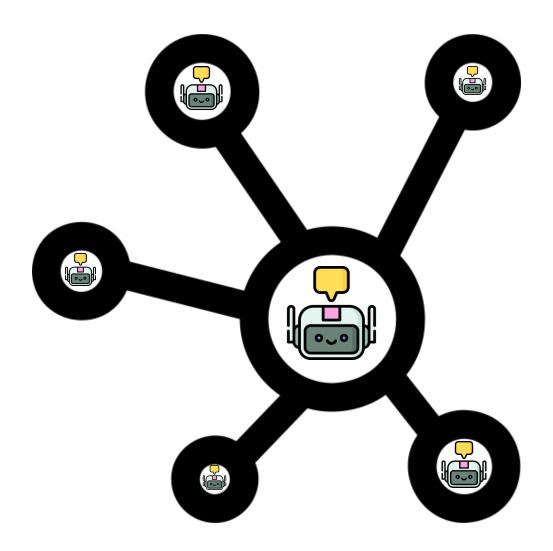


#### Future agentic workflow in InsightAI





#### Future agentic workflow in InsightAI





#### **InsightAI:** Current stage



	One file	Multiple files
Live	<b>✓</b>	WORK IN PROGRESS
Statedump	<b>/</b>	WORK IN PROGRESS



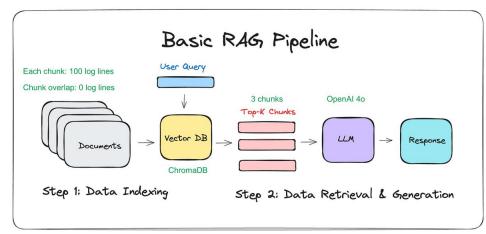
ciena.

#### Sherlog: Finding a needle in a haystack



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#### InsightAI: Our RAG implementation



https://medium.com/@drjulija/what-is-retrieval-augmented-generation-rag-938e4f6e03d1

**InsightAI:** How does it work?

Agentic AI







**RAG** 

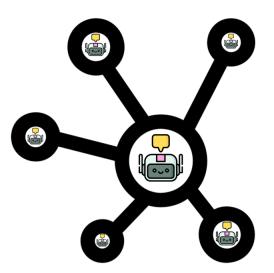
(Retrieval Augmented Generation)





#### Future agentic workflow in InsightAI

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