

Generative Al: What will change with the rise of GPT in Cybersecurity?

Theus Hossmann Director of Data Science Ontinue

Seperating hype from reality



GEN-AI DEMYSTIFIED AI FOR SECOPS

USING AI RESPONSIBLY

ATTACKERS USING AI

Generative Al Demystified: Building a GPT-based Assistant

Grounding & Retrieval-Augmented Generation

System Prompt

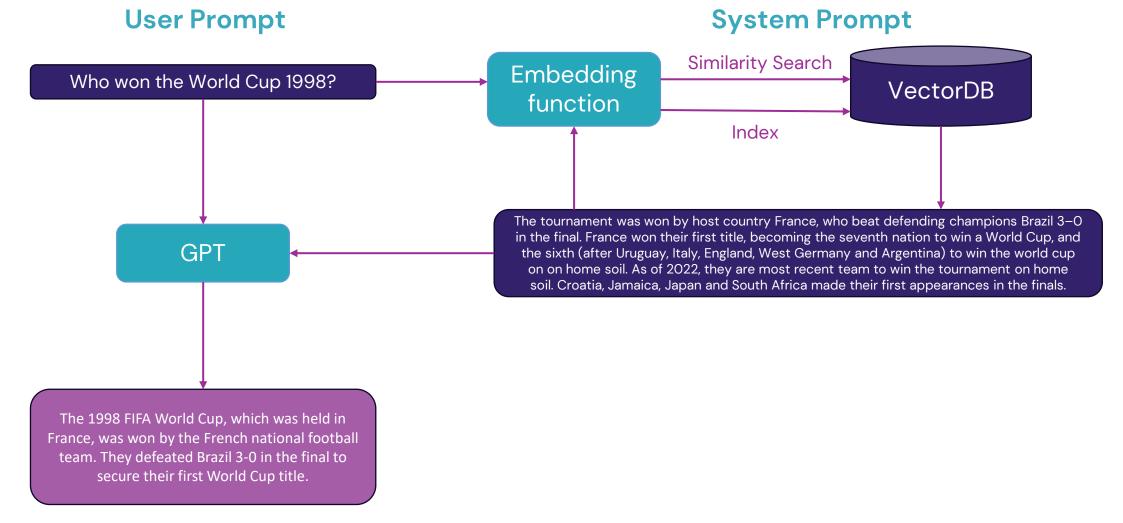
Step 1: Grounding

User Prompt



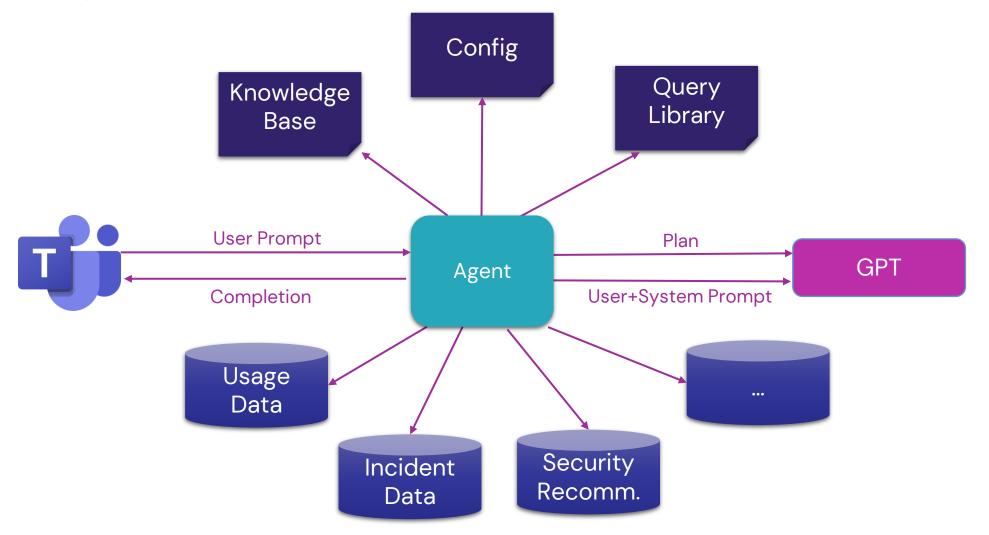
Grounding & Retrieval-Augmented Generation 0

Step 2: Retrieval-Augmented Generation with Semantic Search



Building a GPT-based Assistant

Step 3: Agents



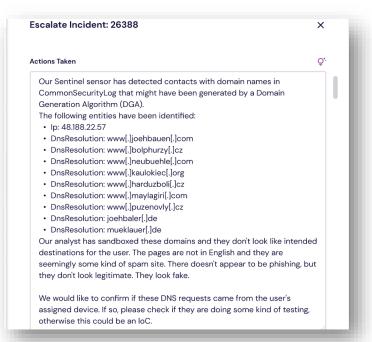
Ċ

Al for SecOps: Beyond Threat Detection

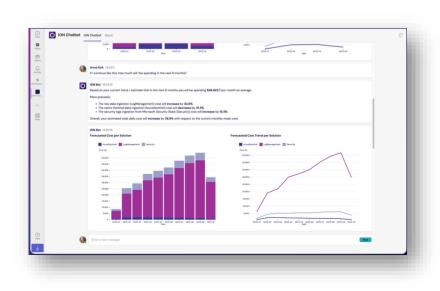
Supercharging the Defenders

Improve Productivity and Collaboration – With Streamlined Natural Language Workflows

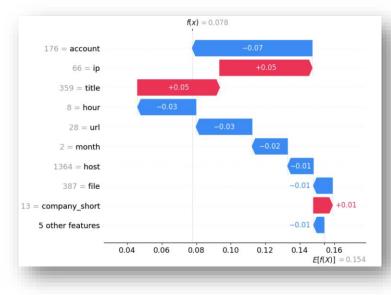
Summarizing Security Incidents



GPT-Powered Chat Interface



Filtering Rules Recommendation



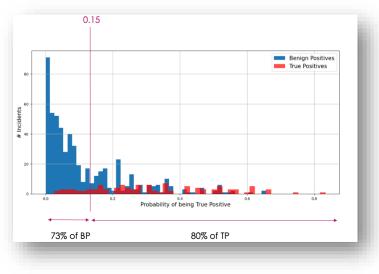
Understand what you defend

Modeling the structural and operational context of the environment you defend

Identifying Critical Assets for better protection & response

	Asset tagging - DC			Ontinue
Company	Label			
gea	✓ Newly Discovered	\sim		
Device Name	Known Device Type	Prediction	Confidence Level	
mserver	False	True	0.997	
infketze01	False	True	0.996	
veo-dc1	False	True	0.996	
veo-dc2	False	True	0.996	
bos-dc01	False	True	0.995	
pavan50	False	True	0.993	
pavan51	False	True	0.993	
pavan54	False	True	0.972	
srv-dcf	False	True	0.84	
dc02	False	True	0.688	

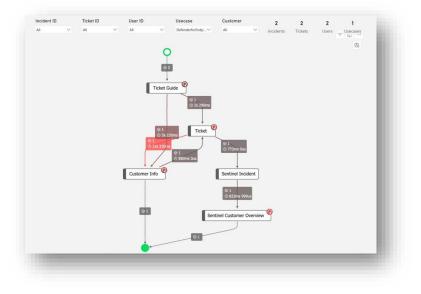
Scoring Security Incidents for better response



Supercharging the Defenders

Modeling the activity and behavior of SOC Analysts to build and validate automations

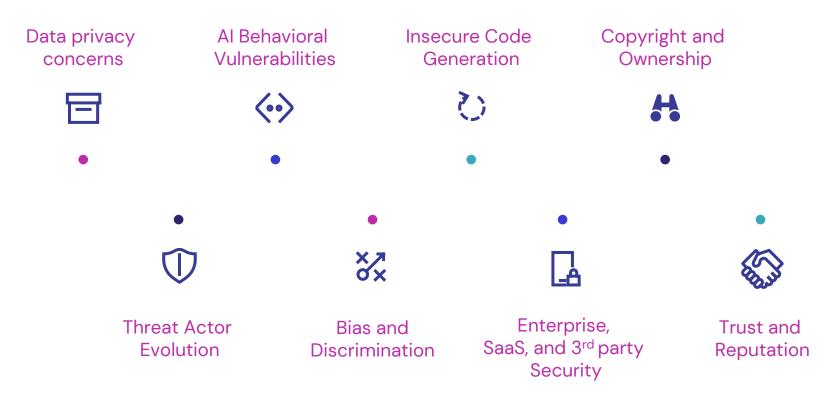
Identifying efficient & effective response patterns for faster response



Ô

Using Al Responsibly

Al is introducing numerous risks and challenges



Overcoming AI challenges

Risk Framework Identify relevant risks and their impacts to your enterprise



Policy & Governance

Establish organizational pole ies on who and how can use these tools in a meet that mitigates the risks to acceptable levels

Al provider selection

Choose appropriate AI providers depending on the security and policy customization offered to clients, such as opt-out and data retention

Ethical AI Create an ethical framework that guides the development and deployment of AI



Training & Best practices

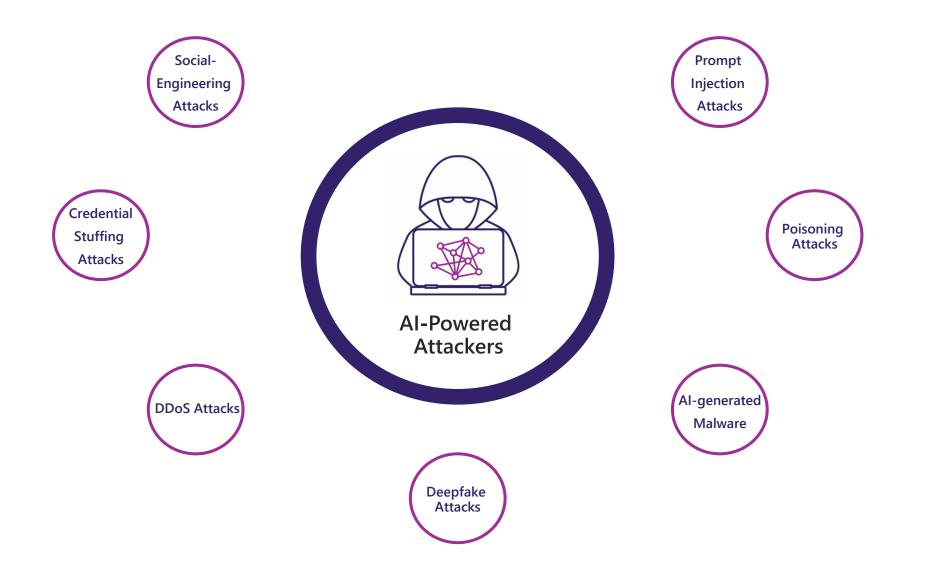
Build organizational awareness by educating and upskilling employees around AI



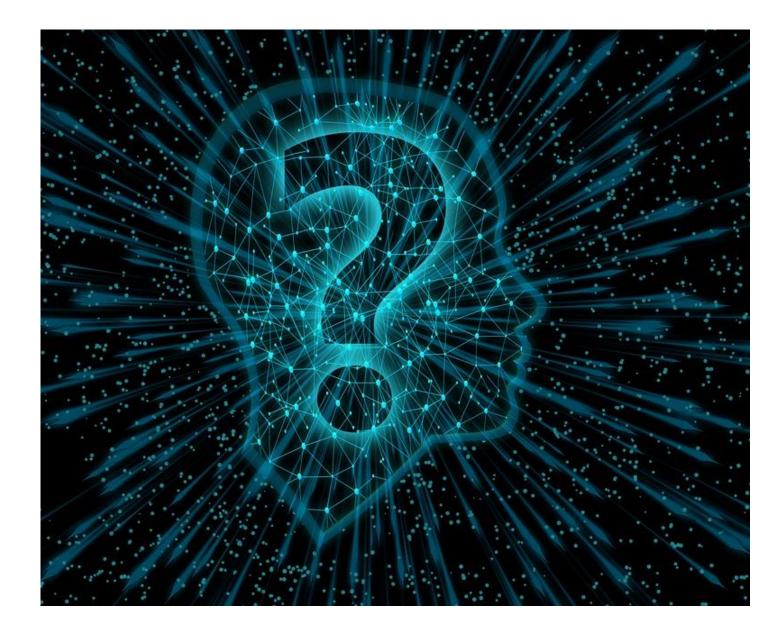
Ô

Attackers using Al

Al- and generative Al-enabled attacks



Future of AI





Thank you!

Learn more about Ontinue

