

Empowering the US Air Force

Leveraging GenAI for Enhanced Combat Readiness

Dallas Thompson
portal26





- USAFA Class of 2001
- Rhodes Scholar Finalist
(Rhoades, Marshall, Truman)
- Father, Snowboarder, Leader
- NCAA Academic All American, Football



Carrier Highlights

- Zscaler
 - First 300 Employee's
 - Built O&G from 30,000 → 12,000,000
 - IPO 2018
- VP@ CyberX OT Security (Acquired by Microsoft)
- VP@ Axis Security (Acquired by HPE)
- VP@ Portal26 GenAI Adoption

GenAI Novice Prompt into @ Copilot.....

"Create a PowerPoint slide titled "Empowering the US Air Force – Leveraging GenAI for Enhanced Combat readiness"

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 Copilot
✓ Analyzing the image: Privacy blur hides faces from Copilot

Air Force Symbolism

Wings of Freedom: Fighter Jets

The iconic silhouette of an F-22 Raptor graces our slide—a symbol of air dominance representing speed, agility, and precision. Just as the Raptor patrols the skies, GenAI battles the battlefield, ensuring our forces stay ahead of adversaries.

The Air Force Logo: A Beacon of Excellence

The Air Force emblem—a stylized star with wings—stands proudly. It embodies our integrity, service, and excellence. GenAI embodies these values too, tirelessly analyzing, optimizing logistics, and safeguarding our nation.



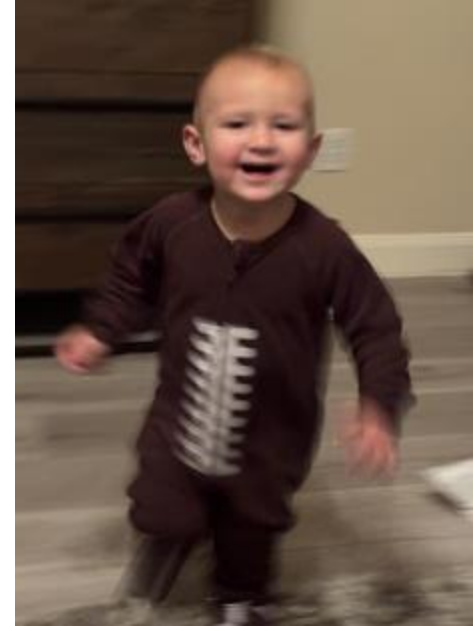
GenAI Early Adopter Prompt into @ Midjourney.....

“Provide 3 imagery options for a DAF presentation. The topic is Empowering the US Air Force with a focus around how soldiers can Leverage GenAI for enhanced combat readiness”



The GenAI Force Multiplier

Sustaining Air Superiority



Two Discussion Tracks

Generative Artificial Intelligence *(Definition)*



Embracing GenAI *(Leading Airmen)*



Question The Narrative



Consider
New
Perspective



Augmented Intelligence

VS

Artificial Intelligence

Artificial Intelligence

Example 1:

Please answer the following question...

What are leadership traits I should focus on?



Artificial Intelligence

Google

What are leadership traits I should focus on? ✕ 🔊 🔍

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AI Overview [Learn more](#)

Here are some leadership traits that can be important:

Communication
Leaders should be able to communicate effectively with their teams, managers, and executives. This can help teams understand their roles and be more effective.

Integrity
Leaders with integrity can set the tone for their teams and be trusted to do the right thing.

[Show more](#)

From sources across the web

 Communication ▼	 Confidence ▼	
 Vision ▼	 Delegation ▼	
 Decision-making ▼	 Active listening ▼	

[15 more](#)



Augmented Intelligence

Example: Provide the top leadership traits I should focus on. I was just promoted Staff Sergeant in the US air Force.

(a) An 80yr old grandma with a 130 IQ is giving the leadership advice.

(b) A young fighter pilot with an IQ of 150 is giving leadership advice.

(3) A general with an IQ of 110 is giving leadership advice

Augmented Intelligence → 150 IQ Pilot

Grandma

Congratulations again on your promotion! 🎉 Here's some leadership advice inspired by the experiences and principles of fighter pilots, which can be incredibly valuable for your new role:

1. Establish Clear Intent

- **Advice:** Always communicate your mission and objectives clearly. Ensure your team understands the goals and their roles in achieving them.
- **Application:** Just like in a fighter squadron, where every pilot knows the mission's intent, make sure your team is aligned and focused on what truly matters¹.

2. Foster Mutual Support

- **Advice:** Encourage a culture of mutual support and teamwork. In high-stakes environments, having each other's backs is crucial.
- **Application:** Build trust within your team. Ensure everyone feels supported and valued, which enhances overall performance¹.

3. Embrace Adaptability



Congratulations on your promotion, dear! Leadership is about more than just giving orders; it's about understanding and caring for your team. Remember to always listen to your people and show them respect. Be patient and kind, but also firm when needed. Lead by example and never stop learning. Your team will look up to you, so be the person they can trust and rely on. And don't forget to take care of yourself too. Proud of you!

Augmented Intelligence → 110 IQ General

“Leadership is about setting the example and inspiring those around you to achieve their best. As a newly promoted Staff Sergeant, your role is pivotal in shaping the future of your team. Embrace integrity in all your actions, communicate clearly and effectively, and foster a culture of mutual respect and support. Remember, adaptability and continuous learning are key to navigating the challenges ahead. Lead with courage, maintain a positive attitude, and always prioritize the mission and the well-being of your airmen. Your leadership will set the tone for your team, and your actions will inspire them to reach new heights.”

Augmented Intelligence → 70 IQ General

“Leadership is about being in charge. As a Staff Sergeant, you gotta make sure everyone does their job. If someone messes up, tell them to do better. Always be on time and wear your uniform right. Good luck!”

Artificial Intelligence

b. What are 3 interview questions I should ask John Smith based on this resume....

Augmented Intelligence

b. Based on the interview dialogue do I have any tendencies or bias that would result in not picking the best candidate.



Artificial Intelligence

c. Please provide scientific documentation showing why Airman will be more prepared for combat on a carnivore diet.

Augmented Intelligence

c. What are the pitfalls and advantages of the carnivore diet? Identify positive and negative impacts these diets have on Airmen.



Augmented Intelligence prompt cheat sheet



Blinkist

1. **Tone:** Specify the desired tone (e.g., formal, casual, informative, persuasive).
2. **Format:** Define the format or structure (e.g., essay, bullet points, outline).
3. **Act as:** Indicate a role or perspective to adopt (e.g., expert, critic, enthusiast).
4. **Objective:** State the goal or purpose of the response (e.g., inform, persuade).
5. **Context:** Provide background information, data, or context for content generation.
6. **Scope:** Define the scope or range of the topic.
7. **Keywords:** List important keywords or phrases to be included.
8. **Limitations:** Specify constraints, such as word or character count.
9. **Examples:** Provide examples of desired style, structure, or content.
10. **Deadline:** Mention deadlines or time frames for time-sensitive responses.
11. **Audience:** Specify the target audience for tailored content.
12. **Language:** Indicate the language for the response, if different from the prompt.
13. **Citations:** Request the inclusion of citations or sources to support information.
14. **Points of view:** Ask AI to consider multiple perspectives or opinions.
15. **Counterarguments:** Request addressing potential counterarguments.
16. **Terminology:** Specify industry-specific or technical terms to use or avoid.
17. **Analogies:** Ask AI to use analogies or examples to clarify concepts.
18. **Quotes:** Request inclusion of relevant quotes or statements from experts.
19. **Statistics:** Encourage the use of statistics or data to support claims.
20. **Call to action:** Request a clear call to action or next steps.
21. **Questions:** Have the AI ask you questions for further clarification or direction.

R-T-F
ACT AS A [ROLE]
CREATE A [TASK]
SHOW AS [FORMAT]

T-A-G
DEFINE THE [TASK]
STATE THE [ACTION]
CLARIFY THE [GOAL]

B-A-B
EXPLAIN PROBLEM [BEFORE]
STATE THE GOAL [TASK]
ASK FOR OUTPUT [FORMAT]

C-A-R-E
GIVE THE [CONTEXT]
DESCRIBE [ACTION]
CLARIFY [RESULTS]
GIVE THE [EXAMPLE]

A-P-E
STATE THE [ACTION]
CREATE A [PURPOSE]
DESCRIBE [EXPECTATION]

E-R-A
DESCRIBE [EXPECTATION]
ACT AS A [ROLE]
STATE THE [ACTION]

R-I-S-E
SPECIFY THE [ROLE]
DESCRIBE THE [INPUT]
ASK FOR OUTPUT [STEPS]
DESCRIBE [EXPECTATION]

R-A-C-E
SPECIFY THE [ROLE]
STATE THE [ACTION]
GIVE THE [CONTEXT]
DESCRIBE [EXPECTATION]



ChatGPT



Visla



Claude



Leia



Visme



Mint



Opus Clip



Uber Suggest



Adobe Firefly



Speechify

PLUGINS



Video Insights



Keymate Search



Scholar AI



WebPilot



Wolfram



VoxScript



Zapier



Pixellow



Create QR Code



Ask Your PDF

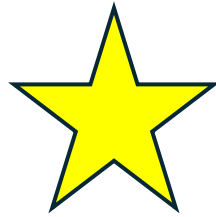
Recommendations for Leaders



Mandate Education & Training



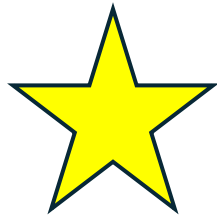
360 Risk Assessment with Legal, IT, and Cyber



Engage w/ External Partners / Weekly Peer Collaboration



Go deep on Pilot Project(s)



Answer the easy questions prior to making critical decisions with limited knowledge and inaccurate assumptions

Mandate Education and Training

- Educate on Risks/Policy
- 30- 90 Minutes per Week
- Small group huddles by department, rank, interests, or hobbies. Monthly
- Self taught as well as classroom settings



360 Risk Assessment

- Legal Representation
- IT Representation
- P&L Owner
- Tactical Leader
- Strategy Leader
- Cyber Representation



“5 decorated female generals around a table having a serious meeting. Add some miniature safari animals just for fun. The animals are alive.”

Peer Collaboration

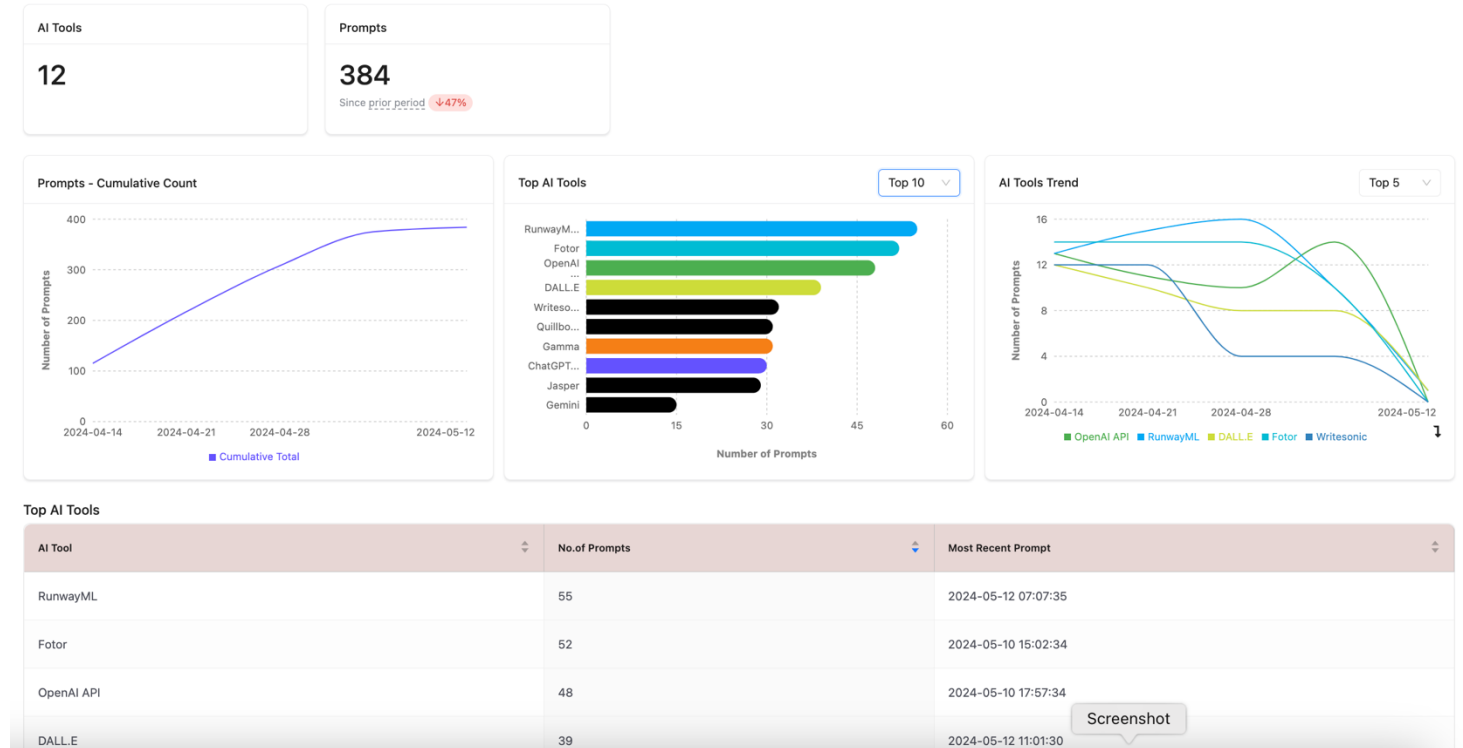


Pilot Projects

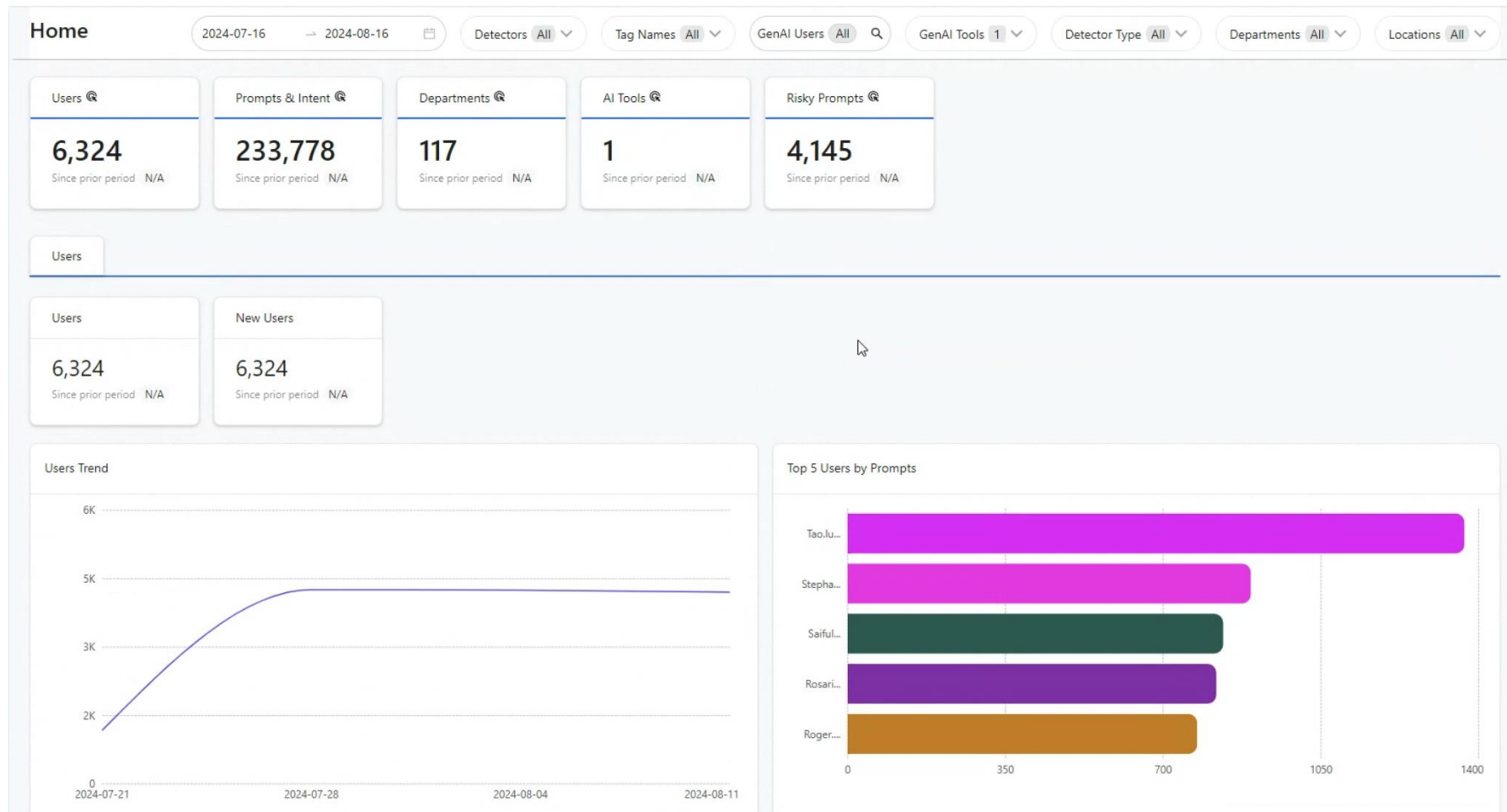
- Professional Photos
- 3rd Party Risk Assessments
- Promotion Boards (Interviews)
- Deployment Exercises

Knowledge Based Decisions

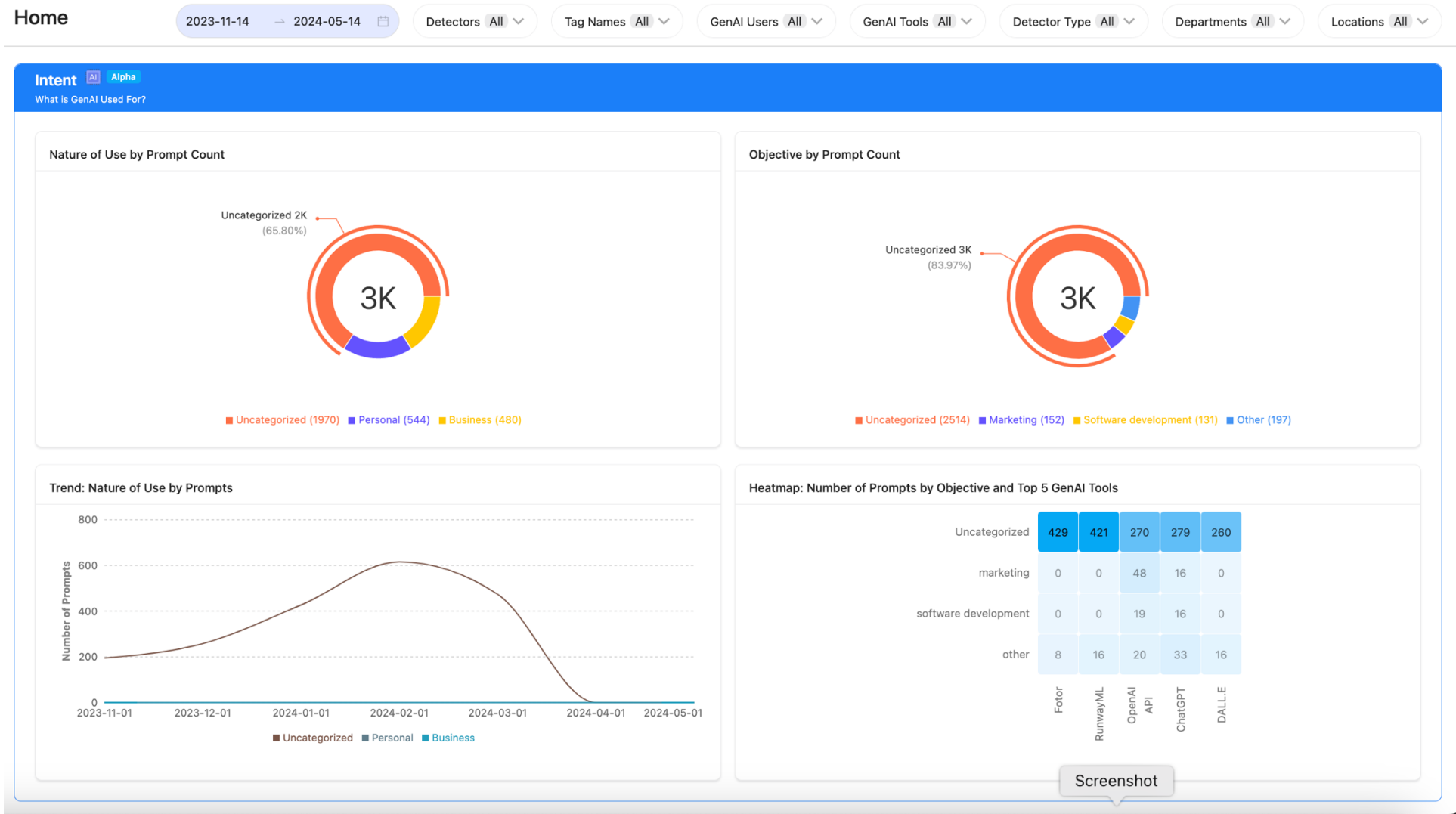
- What is occurring with GenAI today?
- WHO, HOW, WHY, WHAT.....
- Where is the Value? Growth?
- What Risk and Exposure exists?



Usage Governance



Risk Monitoring and Mitigation



Prompt Analytics

Prompts

2024-04-14 → 2024-05-14 

GenAI Users **All** \

GenAI Tools **All** \

Departments **All**Locations **All** ▾

Prompts

384

Since prior period ↓47%

Long Prompts (> 1024 bytes)

7

GenAI Users

26

Since prior period ↓7%

Keywords: This word cloud highlights only the most frequently used words

Most frequent Less frequent

