



# From Prompts to **protection:** How Security Copilot Reinvents Cyber Defense

Cynthia Akiotu  
Cyber Security Architect

# Security Pressure Is Growing Faster Than Defenders Can React.

Identity

**~7k**

password attacks  
per second

Data exposure

**83%**

of orgs will have more  
than one breach  
in their lifetime

AI leakage risk

**80%+**

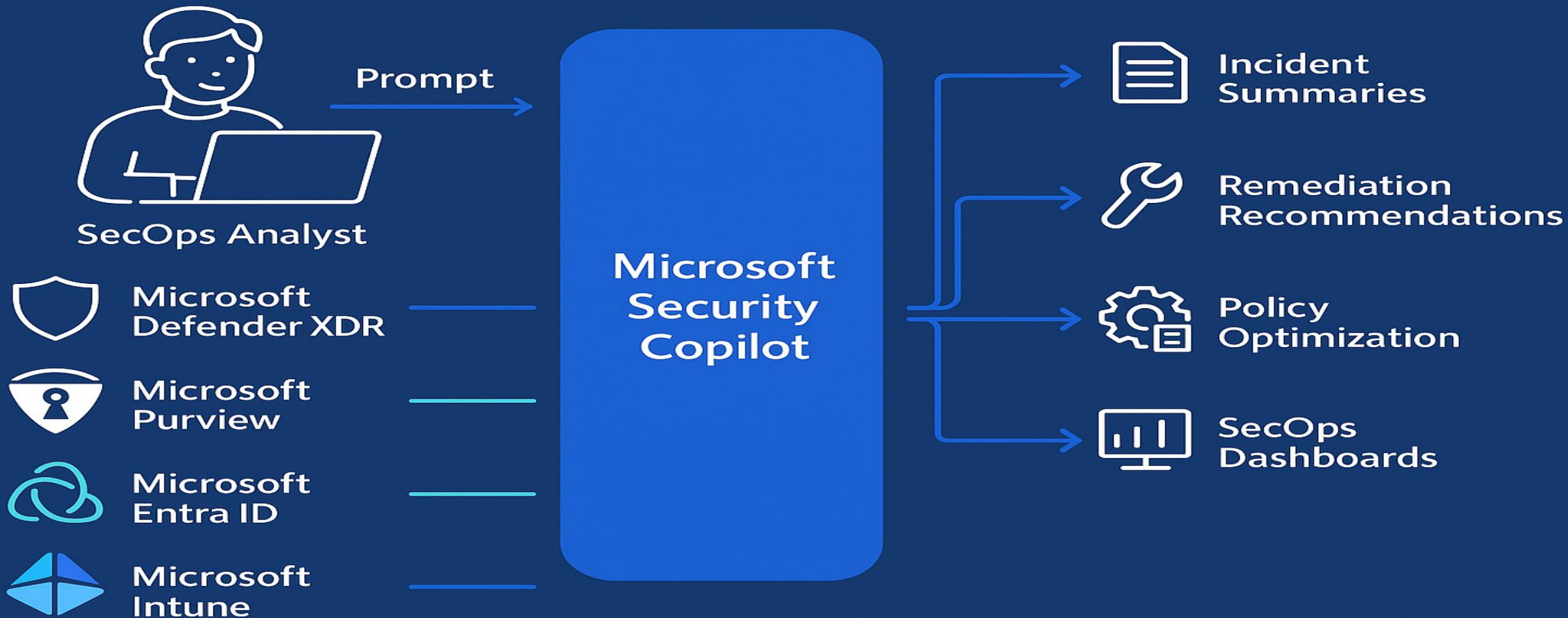
of execs fear sensitive  
data leaking through  
Gen AI tools

# Analysts drown in alerts while AI makes attacks faster and smarter





# AI As a force multiplier



# Conditional Access Optimization Agent



## USER DRIFT

New users or changed rights leaving them unprotected by policy



## APPLICATION DRIFT

New apps or permissions need Conditional Access coverage



## POLICY MERGE

Combine overlapping policies for simpler management

# Demo

- Microsoft Entra Conditional Access Optimization agent

# Security Copilot in Microsoft Purview



Data Loss  
Prevention  
(DLP)



Insider Risk  
Management



Communication  
Compliance



eDiscovery  
(Premium)

# Demo

- Explore the capabilities of Copilot in Microsoft Purview
- Every data protection query, crafted as a natural language prompt, translates into actionable governance intelligence.



# Final Takeaways



Security Copilot needs to be treated as a privileged access surface.



Align AI behaviour to Zero Trust principles.



Prompt precision = defense precision



Visibility and velocity must coexist



**LinkedIn:** [Cynthia Akiotu](#)

**YouTube:** [CynthiaTheDataTechie](#)

- *Microsoft Certified: Information Security Administrator*
- *Microsoft Certified: Identity and Access Administrator*