Increasing my Identity Security with Microsoft Security Copilot

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```
"MVP": "Security",
"Awards": 8,
"Title": "Senior Architect",
"Organization": "Evidi",
"Blog": "http://gotoguy.blog",
"SoMe": "@JanVidarElven"
```



Takk til vår sponsor i dag



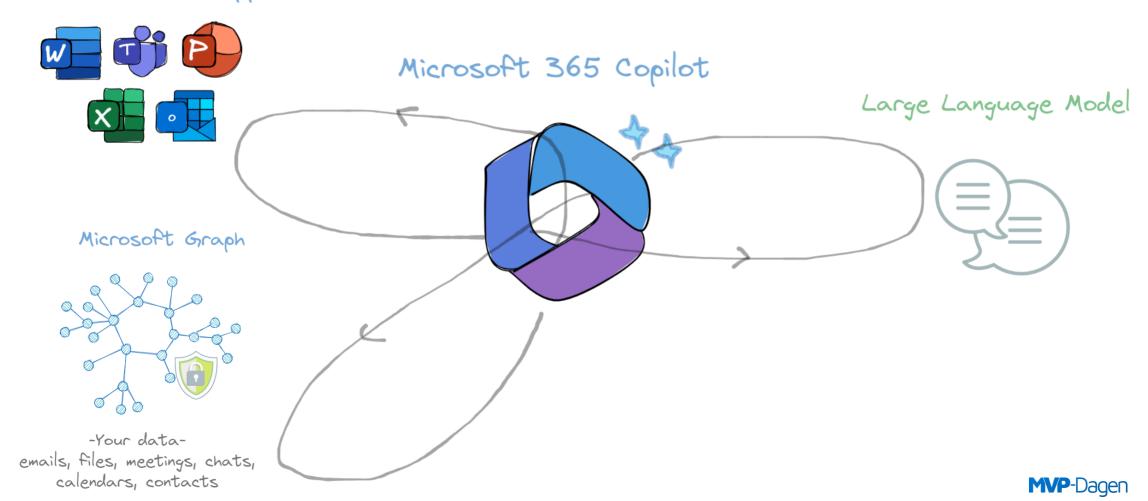
What do we know about Security Copilot?

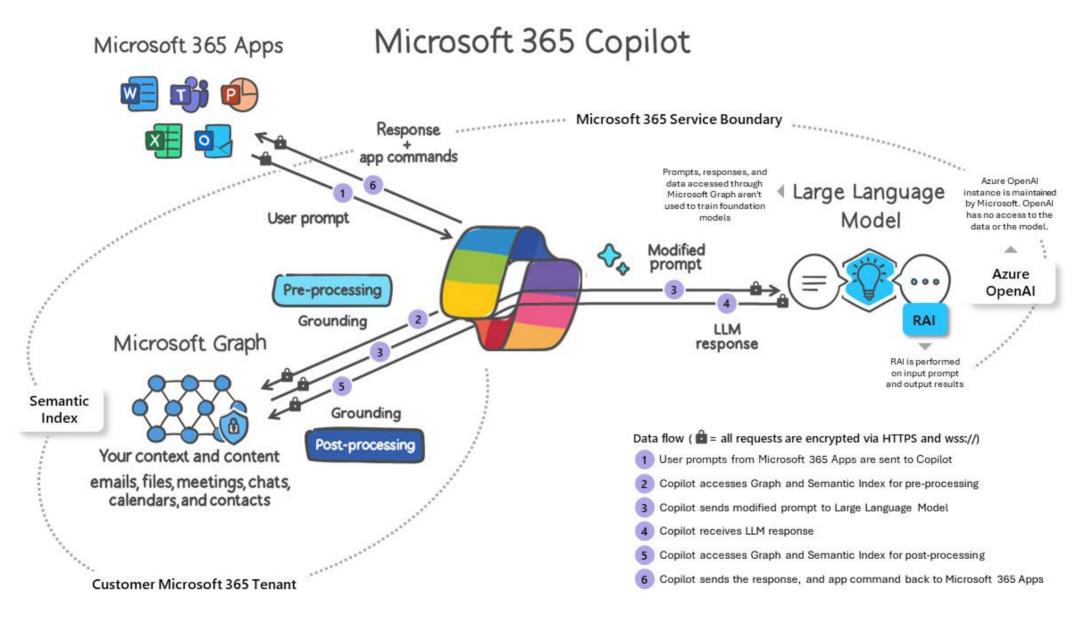
How to present a talk about Security Copilot without having access to Security Copilot..?

..ok, thanks for coming to this talk;)

Microsoft 365 Copilot System

Microsoft 365 Apps



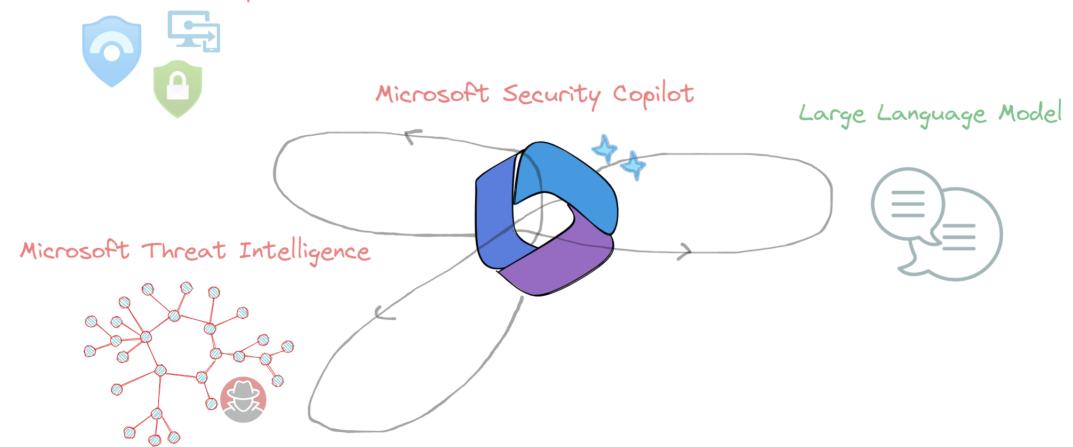






Security Copilot System

Microsoft Security Portfolio



-Your dataendpoints, users, applications

Why Security Pilot?

- The odds are against today's Security Analysts
- Paradigm shift with AI
- Tools consolidation and Generative Al can transform security

♦ Tell me about my latest incidents.

Are any of my machines affected?

♦ Summarize this incident in PowerPoint.

Which alerts are being triggered the most?

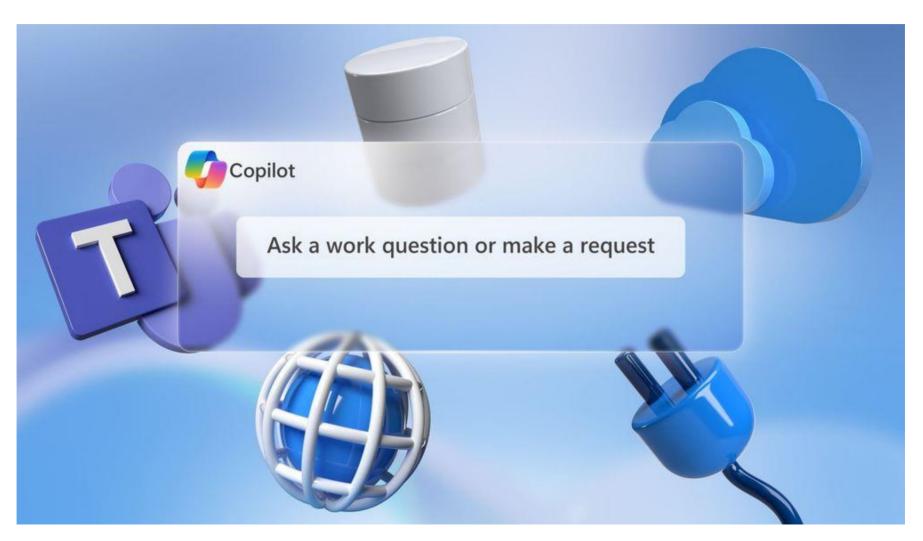
What is log4shell?

🔈 How can I improve my security posture?





Copilot and External Data



Azure OpenAl on your Data

- Works with GPT-35-Turbo and GPT-4 LLMs
- Access via OpenAl Studio or REST API
- Uses Azure Cognitive Search index
- Data formats and file types
 - .txt, .md, .html, Word & PowerPoint files, PDF
- Source blob storage or local files



Cognitive Services Preview Data Sources

Preview data sources by Cognitive Search

New data sources are issued as preview features. Sign up

to get started.

Azure Cosmos DB for Apache

Gremlin

by Cognitive Search

Connect to Azure Cosmos DB for Apache Gremlin to extract items from a container, serialized into JSON documents, and imported into a search index as search documents. Configure change tracking to refresh the search index with the latest changes in your database.

More details



Azure Cosmos DB for MongoDB

by Cognitive Search

from a container, serialized into JSON documents, and imported into a search index as search documents. Configure change tracking to refresh the search index with the latest changes in your database.

More details



SharePoint

by Cognitive Search

Connect to Azure Cosmos DB for MongoDB to extract items
Connect to a SharePoint site and index documents from one or more document libraries, for accounts and search services in the same tenant. Text and normalized images will be extracted by default. Optionally, you can configure a skillset for more content transformation and enrichment, or configure change tracking to refresh a search index with new or changed content in SharePoint.

More details



Azure MySQL

by Cognitive Search

Connect to MySQL database on Azure to extract rows in a table, serialized into JSON documents, and imported into a search index as search documents. On subsequent runs, assuming High Water Mark change detection policy is configured, the indexer will take all changes, uploads, and delete and reflect those changes in your search index.

More details



Azure Files

by Cognitive Search

Connect to Azure Storage through Azure Files share to extract content serialized into JSON documents, and imported into a search index as search documents

More details







https://youtu.be/L31mYYUt75o? si=BcvUhSOsst89FE4B



DEMO

Security Al Assistant for Sentinel via Azure OpenAl

Possible Use Cases for OpenAI and Security

- Bring your own data to Azure OpenAl
 - Storage Account Blob
 - Cognitive Services Search (including Preview sources)
 - Partner
 - Document-level access control (Security filters)
- Data Sources for Security
 - Microsoft Security Products
 - Microsoft Graph



How to Prepare for Security Copilot?

- Implement Microsoft Security Products
 - Microsoft Defender for Endpoints
 - Microsoft Sentinel
 - Intune
- Microsoft Learn
- Microsoft Ignite November 15-16





