

Data governance Copilot assistant

Harness the power of AI



DATA GOVERNANCE TODAY

OVERVIEW

The Copilot Assistant is a tool meant to realize a synergy between artificial intelligence and Microsoft Purview. It provides users with an effective way to improve and simplify data governance.

The solution enables decision-making through intelligent data classification and real-time insights thanks to a conversational interface.

MODULES HIGHLIGHTS



AI-driven Lineage



Automated Classification & tags

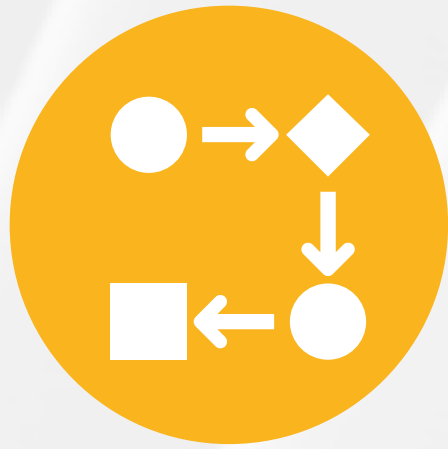


Automated Glossary & Asset Descriptions



Semantic Search & Conversation

AI FEATURES



AI-DRIVEN LINEAGE

Our solution facilitates the extraction and upload of custom data to Purview by means of a custom-trained artificial intelligence model.



AUTOMATED GLOSSARY AND ASSET DESCRIPTIONS

Leveraging generative artificial intelligence models, detailed context-aware descriptions are automatically created and seamlessly uploaded to Purview.



AUTOMATED CLASSIFICATION & TAGS

Use of artificial intelligence to classify and assign relevant tags to assets, improving searchability and data insights.



SEMANTIC SEARCH AND CONVERSATION

Accessing information stored on Purview is facilitated through a user-friendly chatbot interface.

BUSINESS GOALS



DATA-DRIVEN DECISION SUPPORT

Harness AI's capabilities to streamline data management, enabling more efficient and informed decision-making.



ADVANCED DATA SEARCHABILITY

Utilize AI to enhance the process of data cataloging, facilitating user-friendly data discovery throughout the organization's information landscape.



OPERATIONAL IMPROVEMENT

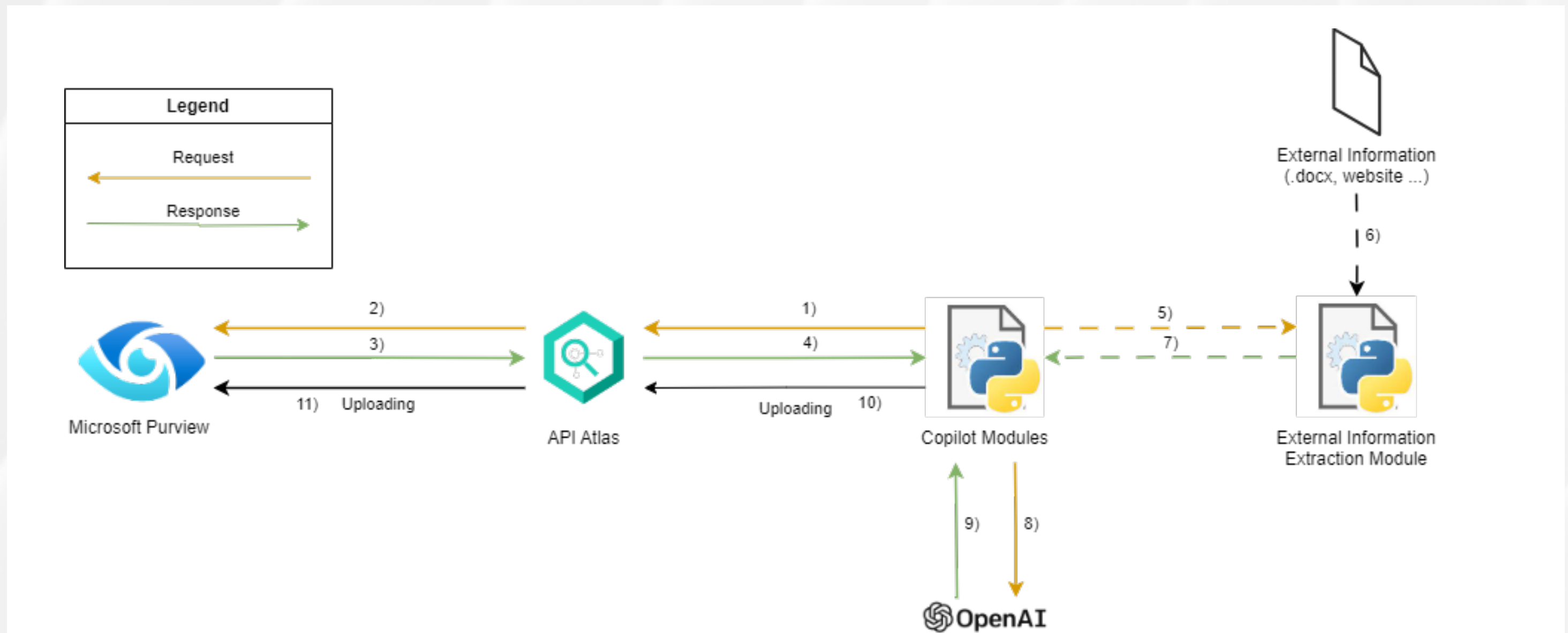
Leverage AI to boost traditional Purview functionalities, fostering improved productivity reducing the need for manual user intervention.



SCALABILITY & DATA ACCURACY

Context-aware solutions provide data stewards with accurate and reliable data descriptions. This automated process ensures scalability, with efficient asset management as the data ecosystem expands.

OUR SOLUTION



The solution involves custom training of an Open AI model for each module of the service. The different modules, such as AI-driven Lineage, Automated Glossary & Asset Descriptions, and Automated Classification & Tags, can be executed through a parametric pipeline.

The modules includes the following step:

- Communication with Purview through GET and POST requests handled through API Atlas (1,2,3,4).
- Information extraction module (5,6,7)
- Interaction with Open AI by transferring useful context information to generate the desired output (8,9)
- Uploading of results to Purview via the Atlas API (10,11)

Additionally, the service provides a chatbot powered by Azure AI Search for users to retrieve necessary information for their daily tasks.

TOOLS



AZURE PURVIEW



AZURE AI SERVICES



Contact us!



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