generative ai
discussion document

July 2023

Empowering Decision-making with Generative AI

Forget about endless reports and inaccessible data, Generative AI has the power to make the densest of data work for you. By implementing our Aidan Intelligence Portal, powered by technologies like GPT (Generative Pretrained Transformer), you can query your database directly, leading to increased efficiency, accuracy and accessibility of data.

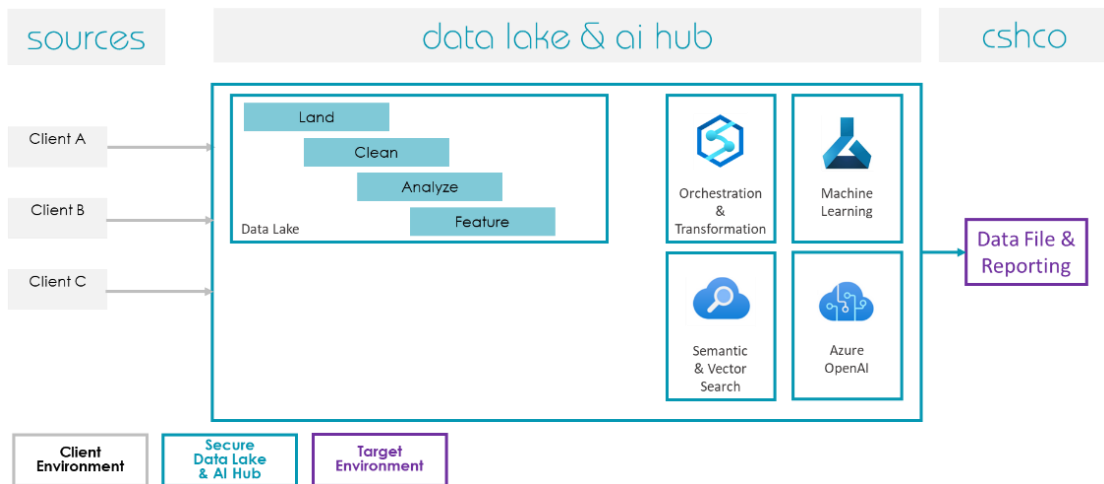## Text Data Conversion to Valuable Insights

Historically, valuable data embedded in textual documents like policies, 401K plans, leases, and more, has often been overlooked due to the lack of suitable analytic tools. Generative AI can unlock this hidden value, converting and summarizing the text data for advanced analysis, enabling you to uncover more insights and deliver more solutions.

Architecture & Security

As an AI-first analytics company, Aidan Health, hosted on the secure and scalable Microsoft Azure platform, understands your need for data security. Information remains secure within a dedicated Azure environment.
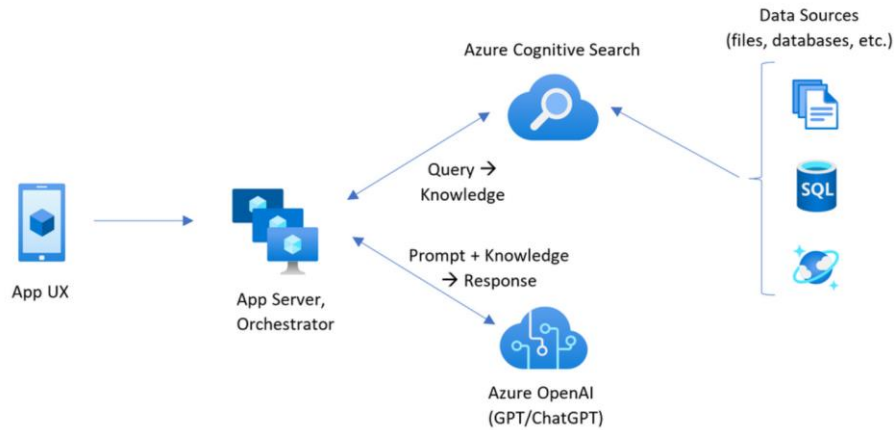
Azure Data Lake and AI Hub:

To counteract concerns regarding data leakage in Large Language Models (LLMs), Aidan leverages Azure OpenAI with Reinforcement Learning Human Feedback (RLHF), providing a robust data security framework.

Our unique architectural pattern, Retrieval Augmented Generation, maintains your data's confidentiality. If a user doesn't have access to specific data sets, they won't retrieve that data in their search results, effectively protecting your existing data security and authorization protocols.

Retrieval Augmented Generation

Azure Cognitive Search · Data Sources (files, databases, etc.) · Query → Knowledge · Prompt + Knowledge → Response · App UX · App Server, Orchestrator · Azure OpenAI (GPT/ChatGPT) · SQL

Practical Applications for Accounting, Audit & Assurance

Generative AI can help you harness unexplored value from a wide range of text-based documents in your organization. For instance:

- **Document Analysis:** Generative AI can scan hundreds of lease documents to identify key terms such as 'Maturity,' 'Annual payments,' and 'Debt covenants,' and automatically populate tables for your analysis, enabling you to deliver prompt and assurance services.

- **Data Conversion and Integration:** Leveraging Generative AI, you can streamline the process of converting data from diverse sources into a format that can be easily interpreted and analyzed. The AI system can convert documents into a readable format, extract relevant information, and seamlessly integrate it into your target systems. This automation minimizes manual effort, allowing you to focus on providing strategic insights and value-added services to your clients.

- **Improved Service Delivery and Client Satisfaction:** By harnessing the power of Generative AI, you can enhance your service delivery capabilities. Every piece of text data becomes a valuable asset that can be effectively utilized to gain insights, drive decision-making, and improve overall client satisfaction. By leveraging Generative AI technologies, your organization can position itself as a leader in delivering exceptional services to clients across diverse industries.

With Generative AI, organizations can optimize processes, drive efficiency, and enhance client experiences. By embracing this technology, your

organization can unlock the full potential of text-based data, propelling your success in the market.