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Utilizing AI for Document Search and Summary

Executive Summary:

- Legacy solutions for document storage make it difficult for users to retrieve relevant documents and conduct analysis based on any sort of keyword search.
- Within the last few years artificial intelligence technology and techniques such as retrieval augmented generation (RAG) and generative AI models have advanced in sophistication and accuracy.
- With such advancements, Fabryc has developed specific tools to conduct document search and analysis on a wide area of data storage platforms. Fabryc has built this toolset with a focus on minimizing compute resources, while maximizing speed and accuracy.
- The toolset Fabryc has developed increases user productivity by saving an average user 2 hours per week when searching for documents and data. For a 100 person organization, this equates to \$48,000 a month in increased productivity.

Problem

Organizations store tremendous amounts of data by utilizing a variety of document types, whether it be internal data or via utilizing external data sources. Being able to search this massive stored archive and conduct research in a clean and efficient way is non-existent.

The traditional approach to searching for documents and conducting research can be described as tedious, manual and prone to error. Documents and data are often scattered across various storage options both internal and external. This requires users to conduct multiple keyword searches, scroll through various drives, and manually search through various documents. This leads to a variety of problems:

- Employees struggling to maintain elaborate folder organization for important information
- Siloed information not being available across the org
- Keyword search being highly limiting and requiring high-levels of manual intervention
- Results depend on carefully chosen keywords and keyword variants. With such searches, there is little guarantee that all relevant documents can be located.
- Locating relevant information further requires reading through each retrieved document.

- Finally, source information must be gathered into a final answer and summarized.

Solution

Fabryc is utilizing recent breakthroughs in artificial intelligence to unlock the value of an organization's documents by quickly providing accurate search results and relevant analysis. This first step is to connect your various data sources. In our initial product we have built options to allow organizations to connect their instances of dropbox, google drive, microsoft teams, and various network drives (Figure 1). We continue to add additional data sources and integrations as needed with security and data protection a top priority.

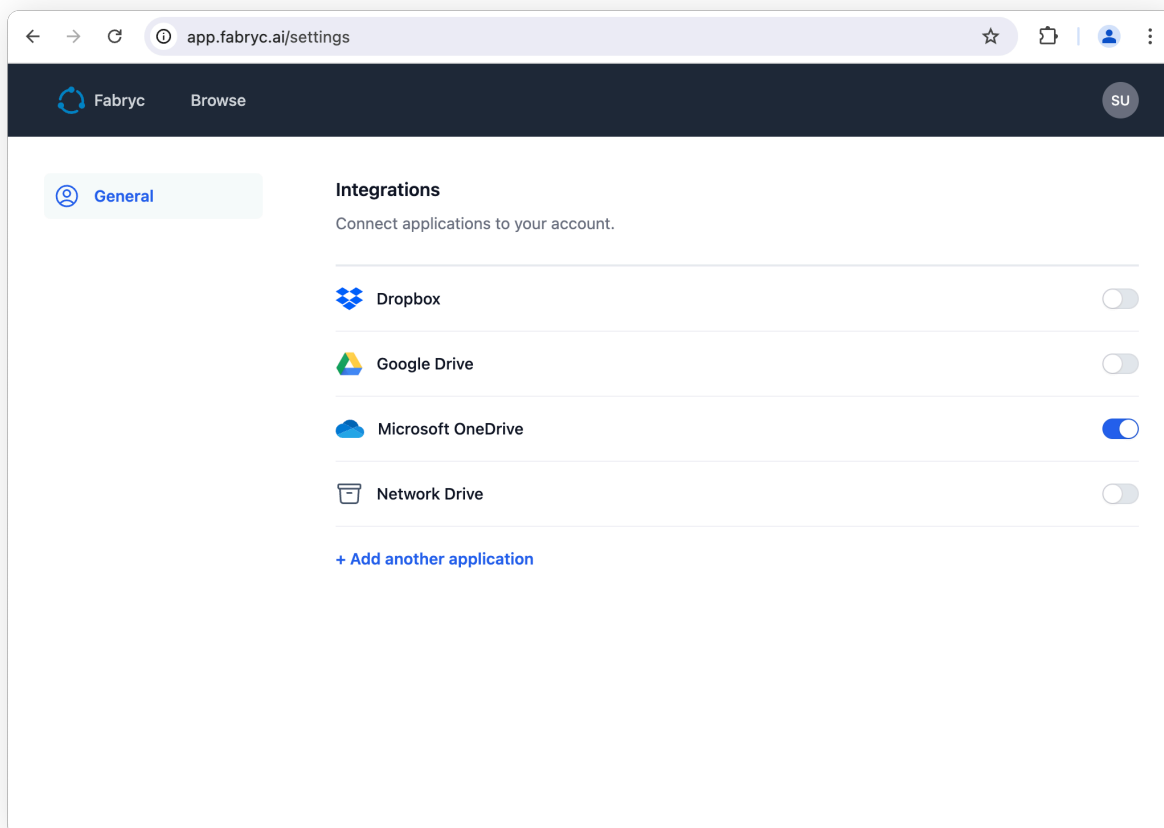


Figure 1

The next step is to use our toolset to properly “Index” your data. Indexing is utilizing a mix of modern AI methodologies and traditional software development to identify and categorize all the information contained within your documentation. Once indexed, quick

and accurate searches can be made as demonstrated in Figure 2 below

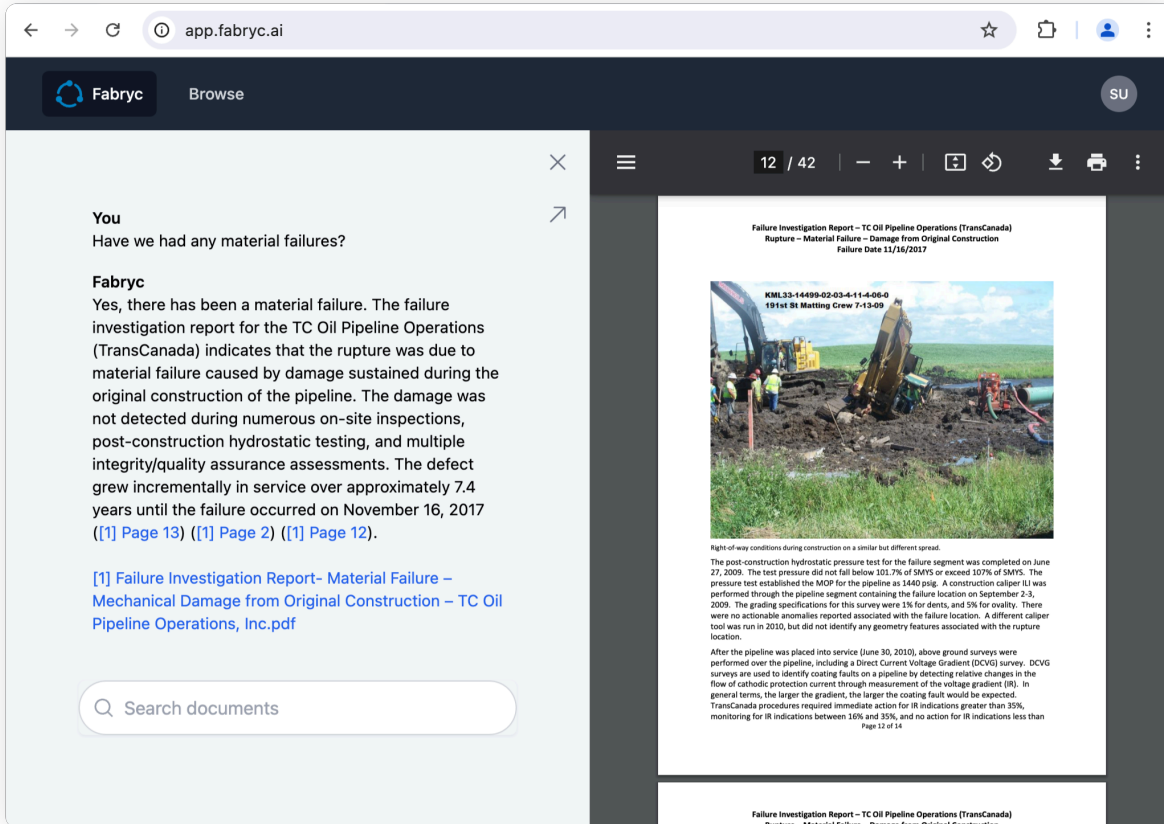


Figure 2

Benefit

Fabryc benefits both users and organizations by reducing pain when searching and utilizing their documents. This is done by increasing accuracy vs traditional keyword searches and improving speed upon which research can be performed. The calculator on our website demonstrates ROI based on the size of your organization. Figure 3 shows ROI based on a case study of a 100 person organization.

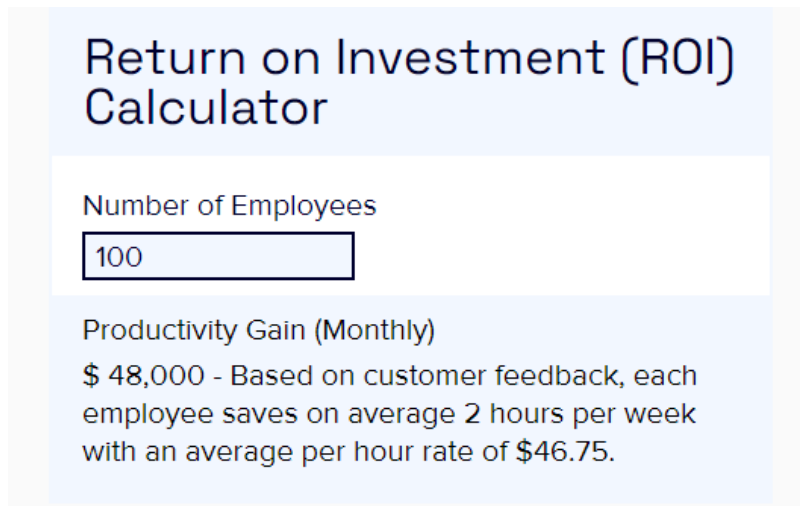


Figure 3