# DATAFACT Z SKANSKA

# Retrieval Augmented Generation







#### Value Quantified in Action

In the end, it's the resulting actions that prove the worth of any analytics engagement.

With our end-to-end expertise, we're with you through that last mile.

#### The Right Approach

We know Advanced Analytics, and we know how to make it work for you.

Our experience means our clients get successful, scalable transformations, not hype and buzzwords.

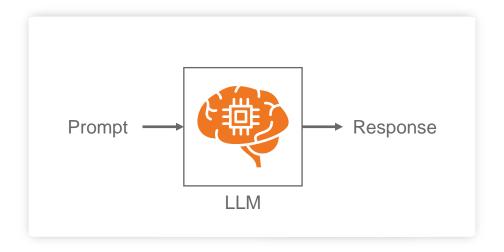
#### Your Secret Data Weapon

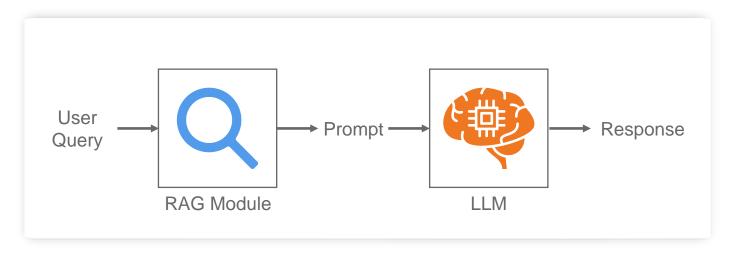
Any Analytics initiative is only as successful as the data engineering behind it.

That's why many organizations and technology partners trust us to do their heavy lifting.

## What is RAG

#### Augmenting LLM with domain specific and mutable knowledge base





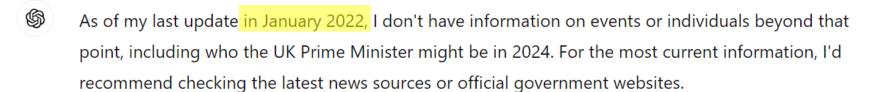
# Why

#### Due to key limitations of LLM

Lack of Domain Specific Knowledge

Static world knowledge

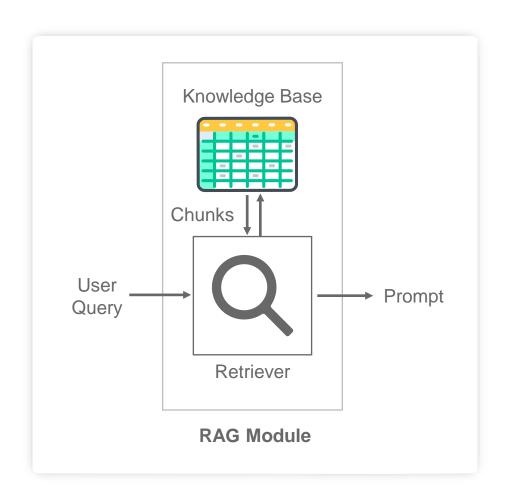
UK prime minister in 2024





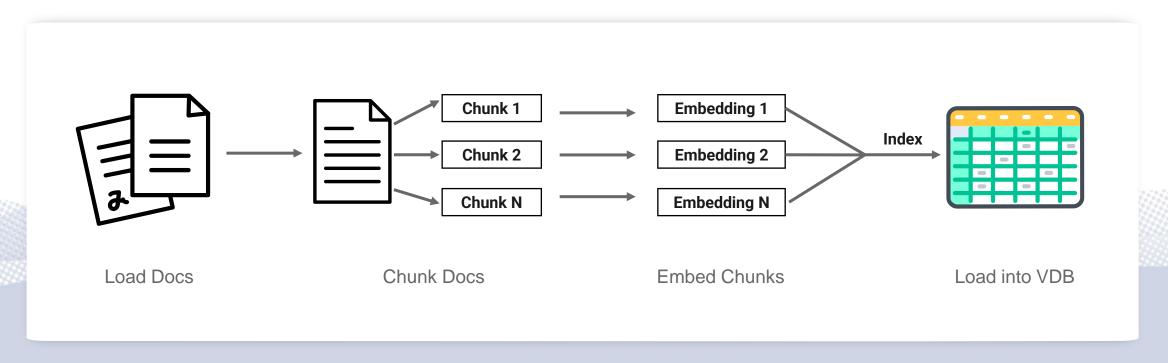
## **Retrieval**

**Retriever –** Finds relevant pieces of information that can help answer a query.



## **How it works**

#### Creating the Knowledge Base

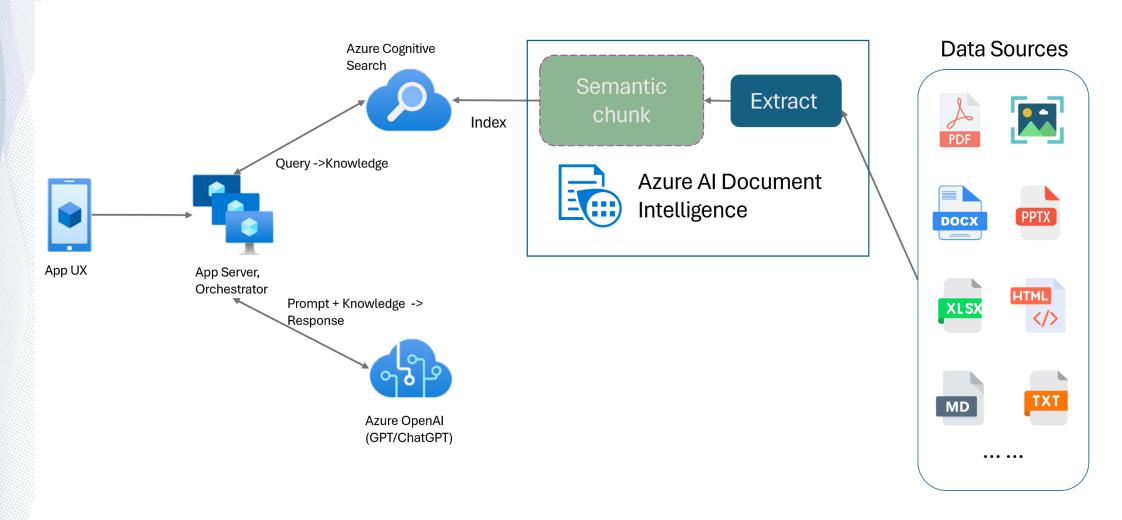


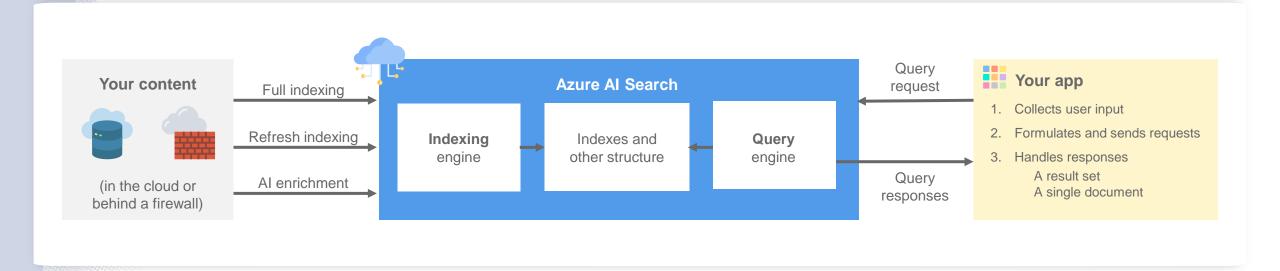
## **Chunking Techniques**

- Fixed Size Chunking
- Recursive Chunking
- Document Based Chunking
- Semantic Chunking
- Agentic Chunking Propositions



### **RAG** with Azure Al Services







# Thank you!

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