



Chat with your private data using Azure and Kernel Memory

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Thanks to

















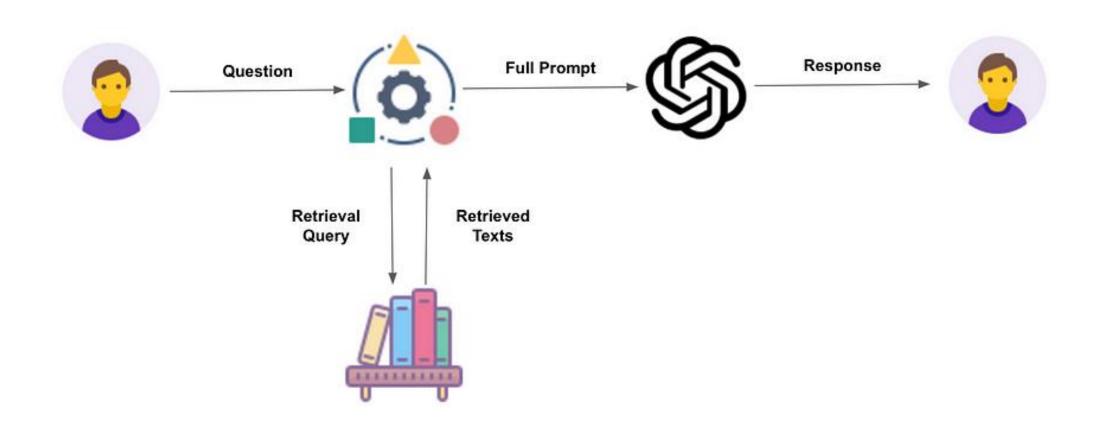






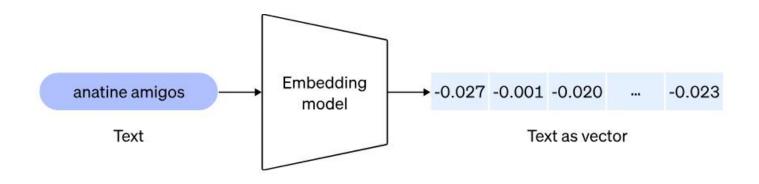


Retrieval Augmented Generation



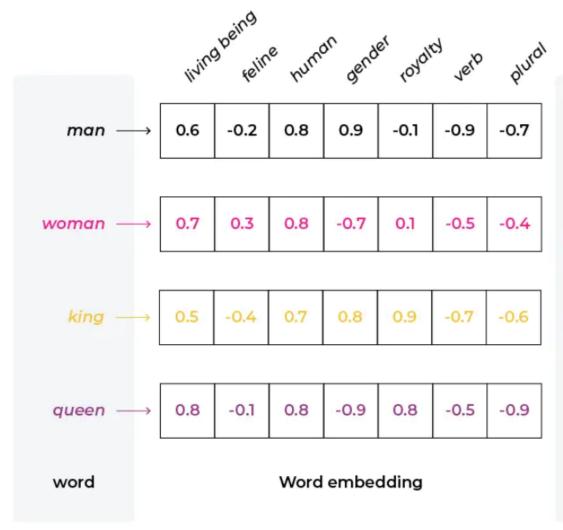


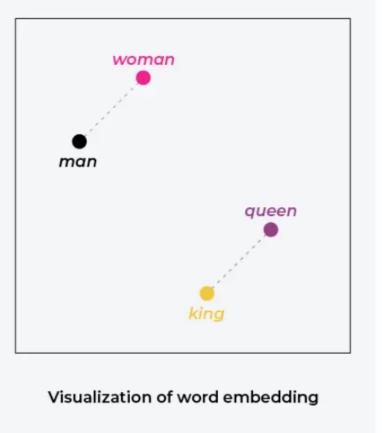
It all started with the Embedding





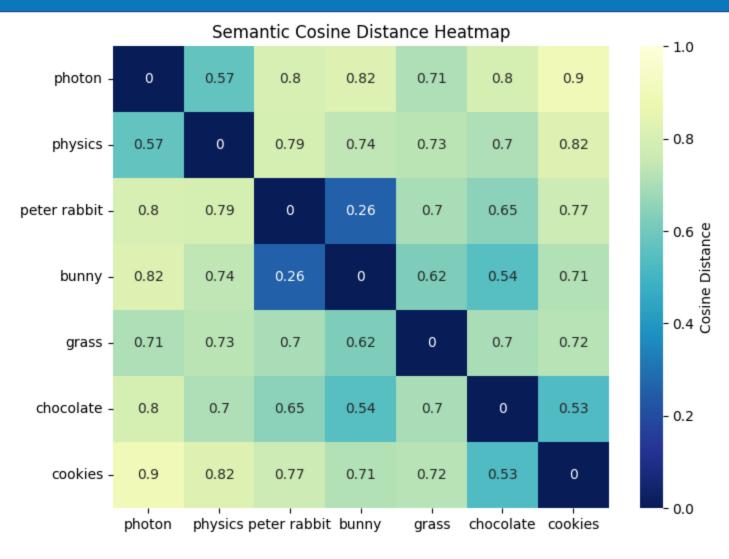
How Embedding works







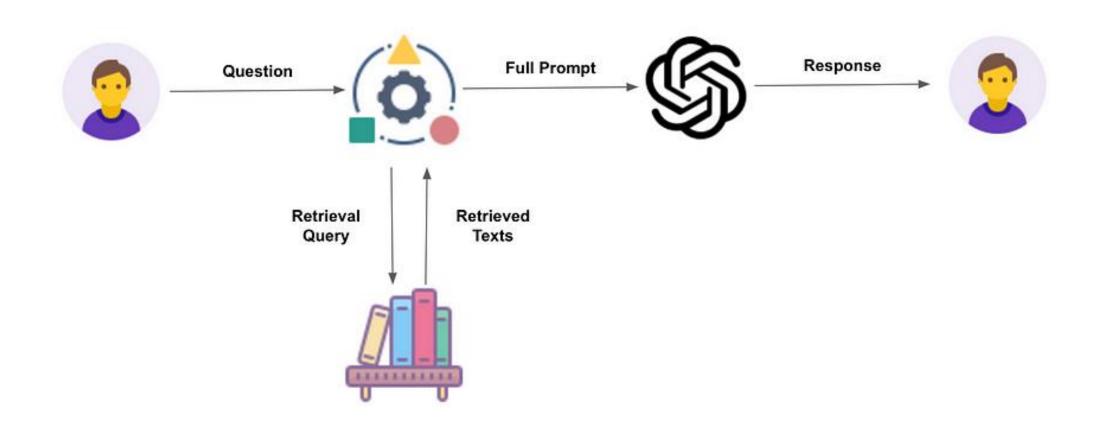
Cosine Distance



 $cosine_distance(A, B) = 1 - cosine_similarity(A, B)$



Retrieval Augmented Generation

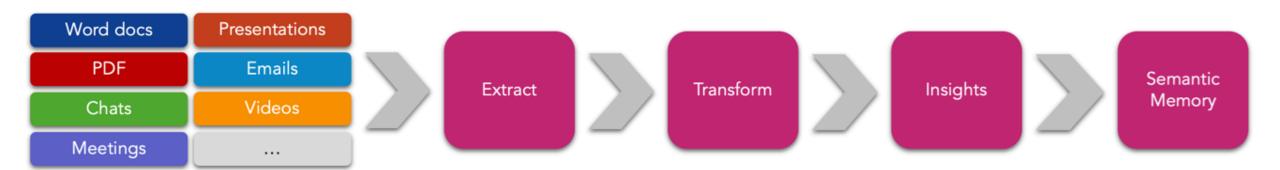




Kernel Memory



+ 25 contributors

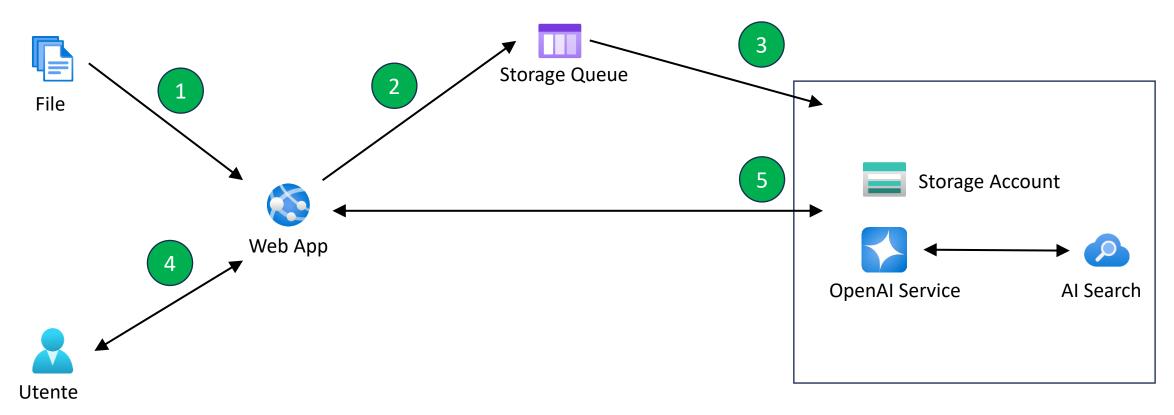






System Architecture

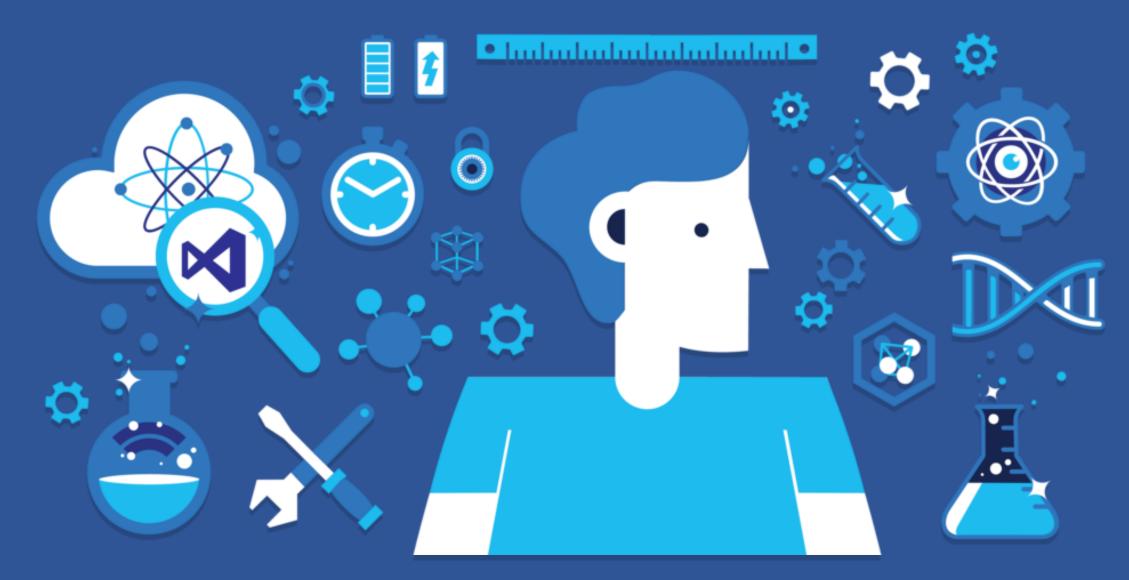
Ingestion await kernelMemory.ImportDocumentAsync("Taggia.pdf");



Query and retrieval var answer = await kernelMemory.AskAsync(question);



Demo





References

- https://github.com/marcominerva/KernelMemoryService
- https://github.com/microsoft/kernel-memory
- https://learn.microsoft.com/en-us/semantic-kernel/memories
- https://discord.gg/semantic-kernel-1063152441819942922



Thanks! Questions?



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