Unit8™

Azure OpenAI Full-fledged Product - Deployment & Scaling

GenAI journey with Unit8

STAGE 1

Initial approach & discovery

- Workshops
- Initial discussions
- Discovery research

STAGE 2

Roadmap design collaboration

- Use case identification
- D&A Assessment
- Architecture
- User journey identification
- Conceptual design
- Roadmap creation

STAGE 3

Accelerator deployment

- Infra as code
- Solution design
- Orchestration
- Integration with existing workflows
- MVP implementation
- Data solution implementation

STAGE 4

Full-fledged product deployment and scaling

- Use case industrialization
- Platform adoption
- Integration with Azure services and internal data storage
- Scalability Assurance
- Data modeling & security

Unit8 will provide a data-driven, results-oriented approach to integrate GenAI into your existing workflows, empowering you to achieve tangible business outcomes

Generative AI Services

Objectives

Implementing feasible and cost-effective Azure OpenAI use cases requires meticulous planning.

At Unit8, we specialize in seamless Generative AI implementations, harnessing the Microsoft Azure cloud ecosystem.

Our expertise includes projects focusing on prompt engineering and security, such as content moderation for chat.

We prioritize risk mitigation by utilizing Azure tools for handling sensitive content and implementing appropriate processes

Outcome

- Use case implementation, while ensuring data security & privacy
- Personalized chat, Q&A, file chat, entity extraction, customized use cases
- Mitigate Azure OpenAI risks in terms of data, model and user
- Seamless AI integration into workflows and transformation initiatives
- Custom Guardrails against hallucination and abusive behaviour
- Integration with other Azure services and internal data storages

Audience

Our collaborative approach typically involves engagement with Project Managers and Technical Experts from innovation and IT departments

Duration

- Depending on the complexity the project is set up to take from 2 to 6 weeks
- The service can be delivered either virtually or on-site

Integrating Cognitive Search & OpenAI

Challenges faced by medical practitioners in acquiring recent scientific references on disease relationships amidst time constraints

Challenge

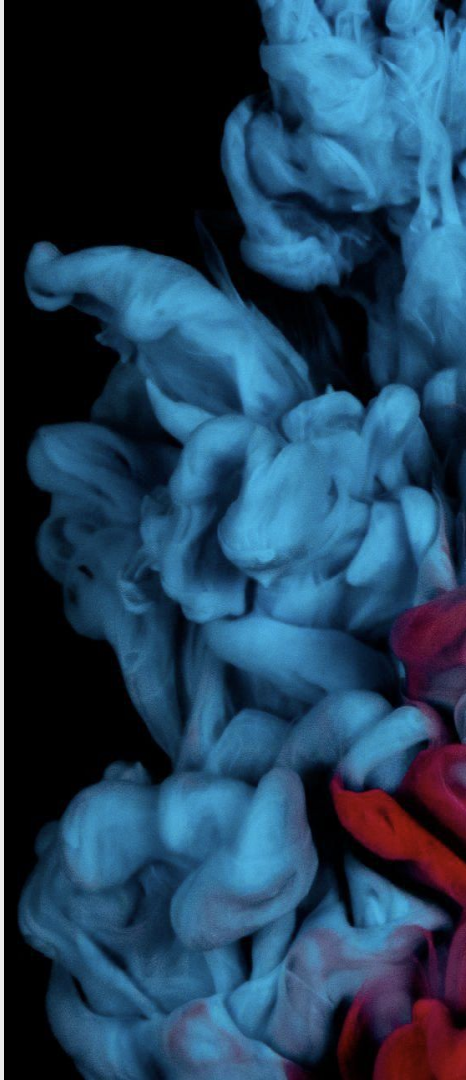
- Medical practitioners face constraints in time and capacity when searching for relevant content
- Challenges arise when seeking current scientific references to comprehend the correlation between two diseases
- Hallucination risk: Generative models may inaccurately identify or connect irrelevant information

Solution

- Use of Azure-powered tool and combining Cognitive Search & OpenAI
- Implement fine-tuning model or prompt engineering crucial to minimize hallucination risk
- Test: Experiment limited data source to nephrology articles
- Putting proper guardrails resulted in no response to out-of-context queries, which was the proper and expected behavior

Business impact

- Quickly sifts through vast scientific articles
- Doctors can now find references that potentially contradict the mainstream findings, to provide the practitioner with a wider view
- Rapid extraction of insights from unstructured data aids informed decision-making
- A competitive advantage achieved in the respective industry



Unit8 in a nutshell

Turning data into value

Unit8 is a leading **Swiss** data services company with a mission to help non-digital native companies transform data into value with a mix of **data science, analytics, and AI.**

Selected clients (some removed due to confidentiality)

DAIMLER MERCK Firmenich Swiss Re

Key Partners

Microsoft digitalswitzerland doi data innovation alliance SWISS ECONOMIC FORUM SEF.

Unit8

unit8.com

Key facts:

- Established in 2017
- 110+ employees and growing
- 5 locations: Zürich, Lausanne, Bern (Switzerland) and Krakow, Wroclaw (Poland)
- 150+ data & AI projects completed

We operate at the intersection of technology and business to accompany our customers at every step of their data & AI journey

Services portfolio:

- Data & AI Consulting
- Data & AI Solutions
- Data & AI Platforms
- Data & AI Operations
- Data & AI Academy

Contact us:

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