





Motivation



- LLMs have become a business driver (see e.g., NVIDIA) due to their widespread use
- Being a "megatrend", LLM-based applications are
 - quickly purchased by companies and public institutions
 - miserably integrated into existing environments
 - "thrown" at its end users without them being trained

Consequences

- inconsistent UIs → users have to switch to another environment
- complex workflows, e.g., if they run on a separate platform
- decreased productivity → users do not event know how to use the tool

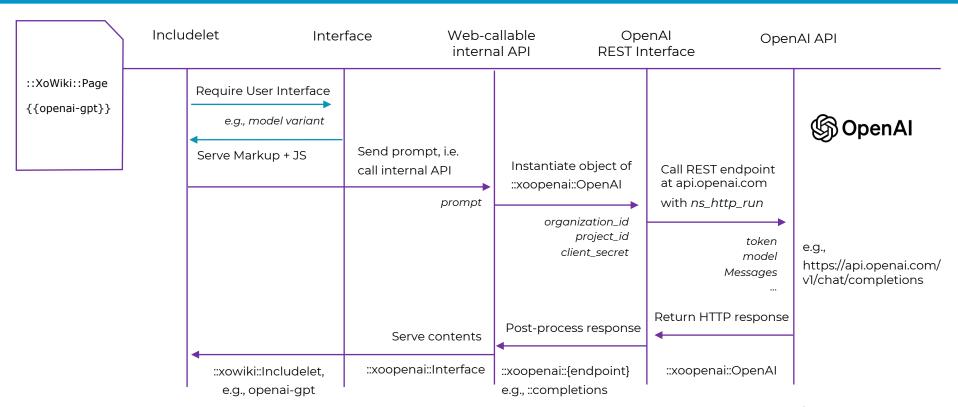
Purpose

- Provide OpenACS users with an integrated, modern and extensible interface to OpenAI models
- Contribute to the perception as a platform which addresses today's trends/challenges



Approach: Control Flow







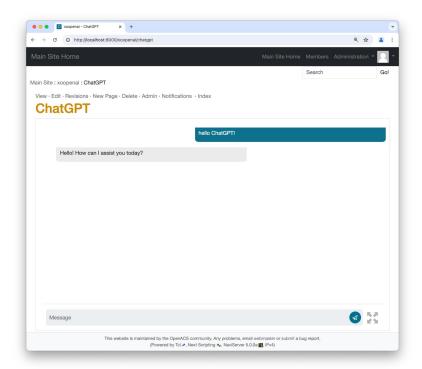




Demo



Demo









Results and Future Work



Features

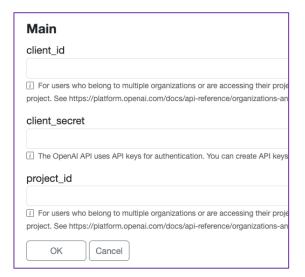
- Prototype with basic support for GPT models
- Secure credential storage and handling
 - In NaviServer configuration / Package parameters

Usage options

- 1. XoWf-based **standalone** package
- Embedded as an XoWiki Includelet
- 3. As a **DotLRN Applet**

Future Work

- Support for other models and APIs (e.g., DALL-E)
- Streamed responses (via SSE)
- Get it listed on https://platform.openai.com/docs/libraries



stream boolean or null Optional Defaults to false
If set, partial message deltas will be sent, like in ChatGPT.
Tokens will be sent as data-only server-sent events as they become available, with the stream terminated by a data:

[DONE] message. Example Python code.







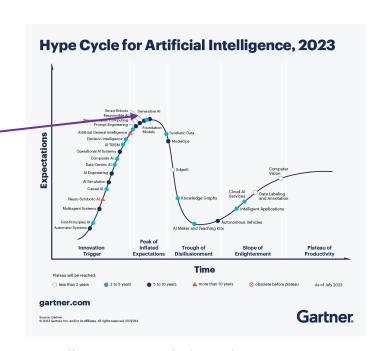
AI and Responsibility



 LMs, such as GPT, are no more than mathematical abstractions of provided data ("models")

Observations

- Unrealistic expectations ("If I cannot solve it, the AI will")
- Incorrect perception of
 - internals (i.e., how they work)
 - capabilities (often referred to as "the AI" as if it was "Skynet")
- III-considered usage (e.g., students 'writing' whole essays)
- Data Privacy issues
- A More rational usage approach:
 - Perceived as the next "bicycles for the mind" but
 - never question the genuine superiority of the individual



https://www.gartner.com/en/articles/what-s-new-in-artificial-intelligence-from-the-2023-gartner-hype-cycle











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Questions?

