

AI Bootcamp 2025

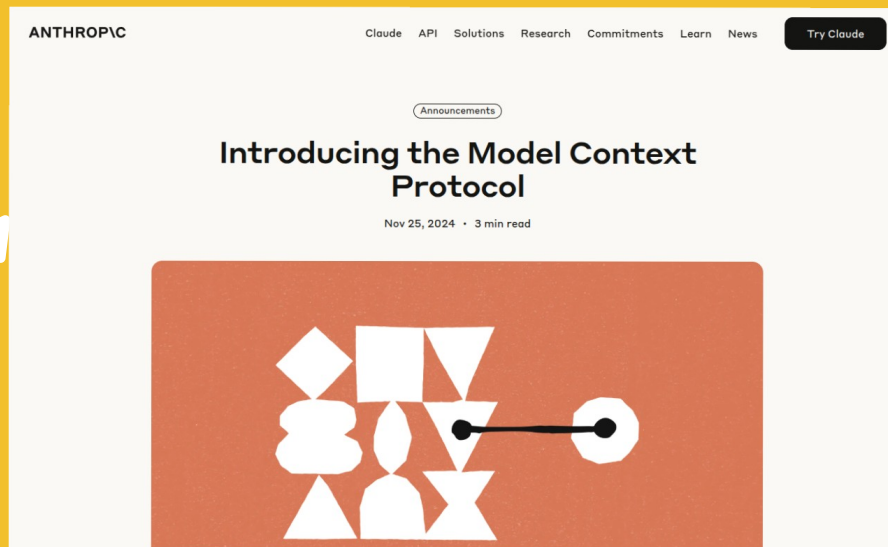
FLOW:

OpenAi Agents SDK + MCP

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01 MCP



MCP?



MCP stands for Model Context Protocol. It's an open standard that provides a universal way for AI models, particularly large language models (LLMs).





01

Standardization

MCP standardizes how AI models access and utilize external resources, making it easier to build and deploy AI applications

02

Key Components

MCP includes specifications, SDKs, and reference implementations to guide developers in building and integrating with MCP-enabled tools and services.



03


Benefits

MCP simplifies the development of AI agents, enables secure cross-agent collaboration, and promotes the creation of portable toolsets for AI applications.

04

Inspiration

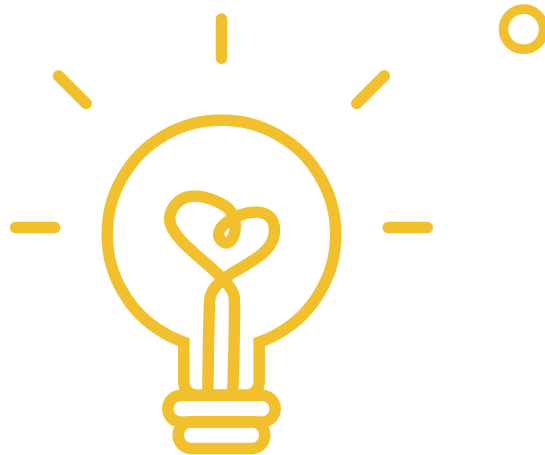
MCP takes inspiration from the Language Server Protocol (LSP), which is widely used for code editors and IDEs.



What's the trouble?



MCP is a fairly new and raw technology for building agents and does not provide sufficient stability and diversity (for example, in programming languages)





LINKS



Anthropic

<https://www.anthropic.com/news/model-context-protocol>



GitHub

<https://github.com/modelcontextprotocol/python-sdk>



02 OpenAI

Agents SDK



OpenAI Agents SDK



The OpenAI Agents SDK enables you to build agentic AI apps in a lightweight, easy-to-use package with very few abstractions. It's a production-ready upgrade of our previous experimentation for agents, Swarm.

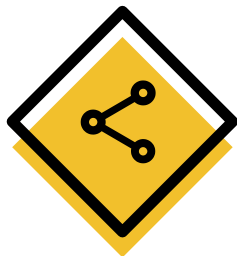




Dolor Sit



Agents, which are LLMs equipped with instructions and tools



Handoffs, which allow agents to delegate to other agents for specific tasks

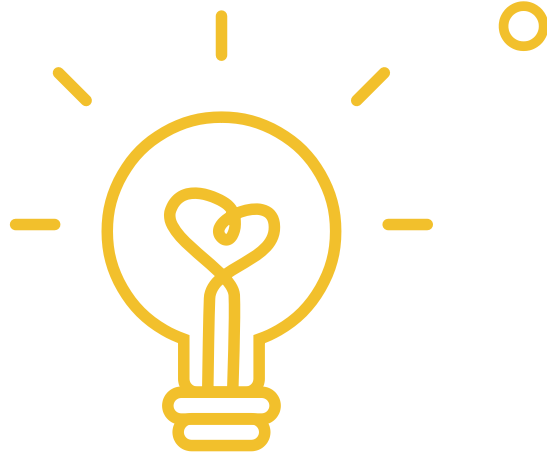


Guardrails, which enable the inputs to agents to be validated

What's the trouble?



Agents SDK is an even newer and more raw library than even MCP. It only works on pure Python.



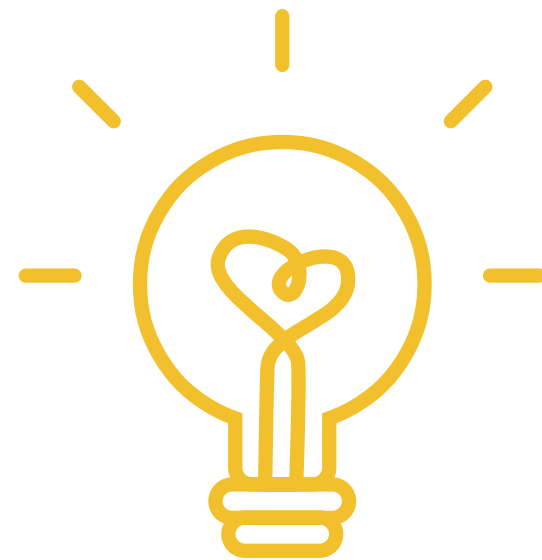


LINKS



OpenAI Agents SDK

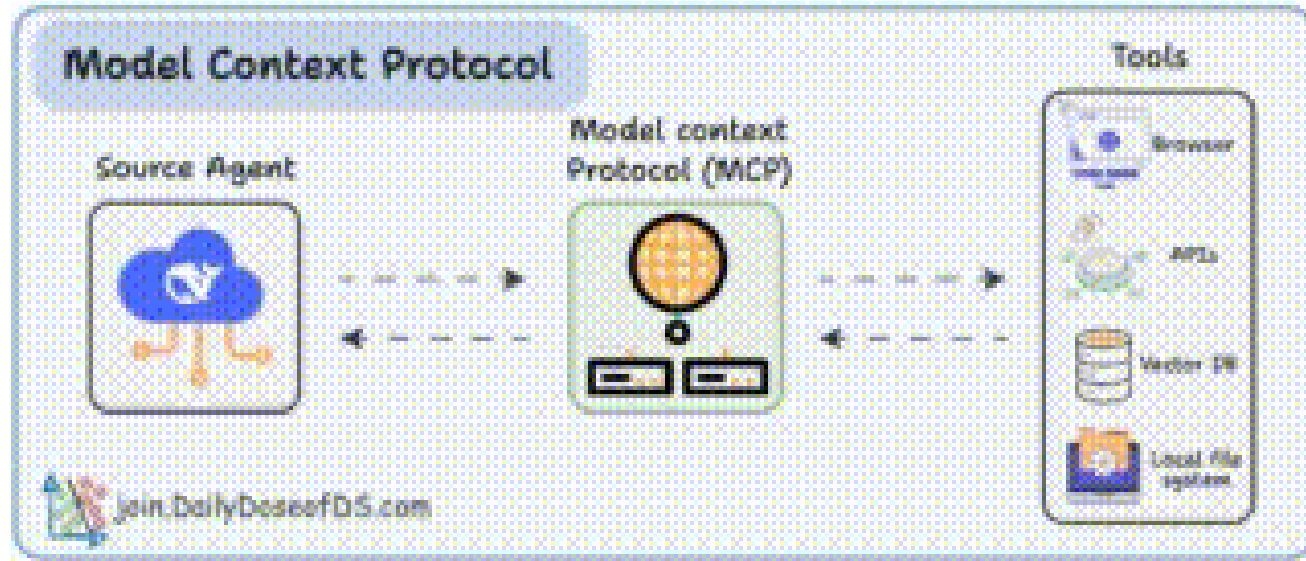
<https://openai.github.io/openai-agents-python/>



03 Let's do it
together

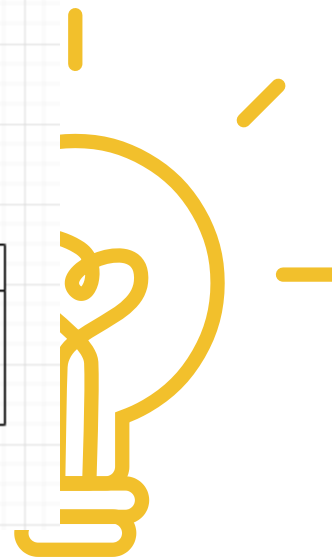
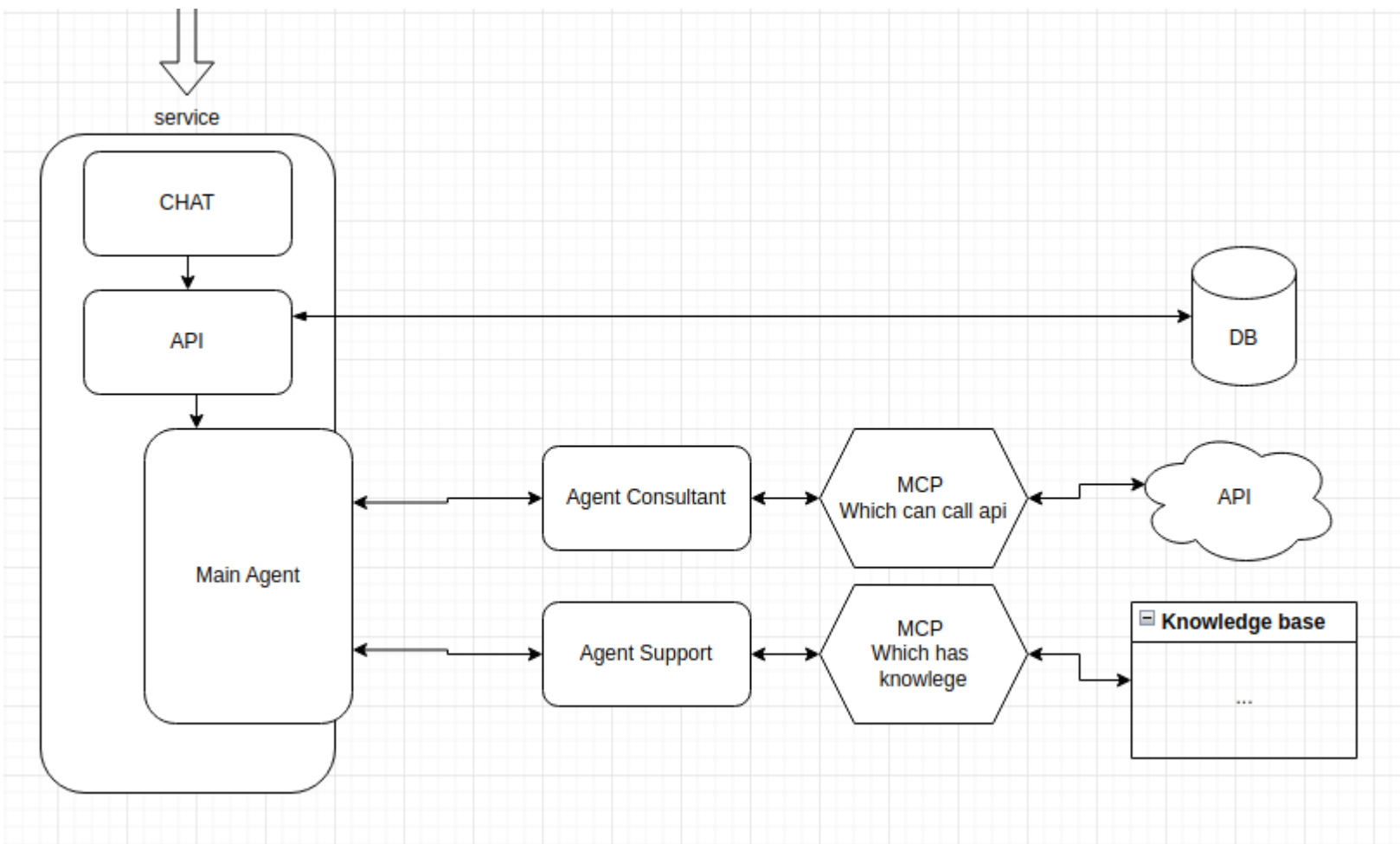


How does this work





- SCHEME





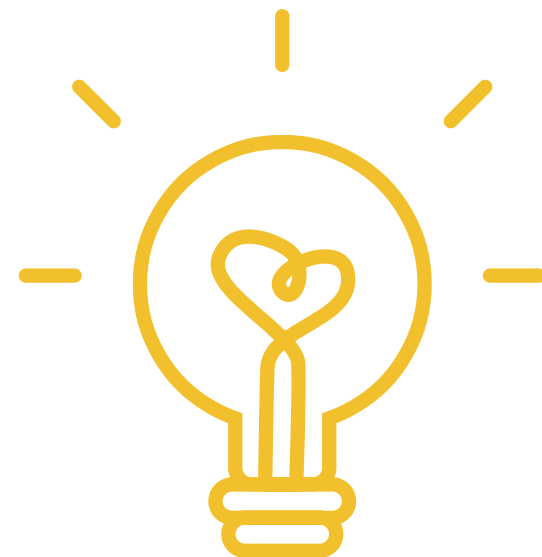
RESULT



Prototype



<https://ai-chat-service.azurewebsites.net/>





THANK YOU