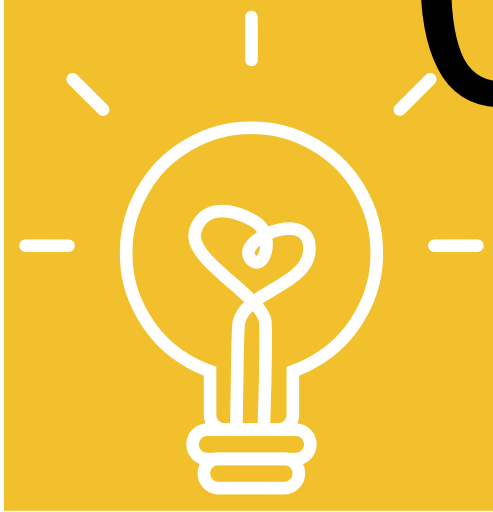
AI Bootcamp 2025

FLOW:
OpenAi Agents SDK + MCP

Vasilii Bologov

Oleg Seifullin

01 MCP



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Introducing the Model Context Protocol
Nov 25, 2024 • 3 min read

MCP?

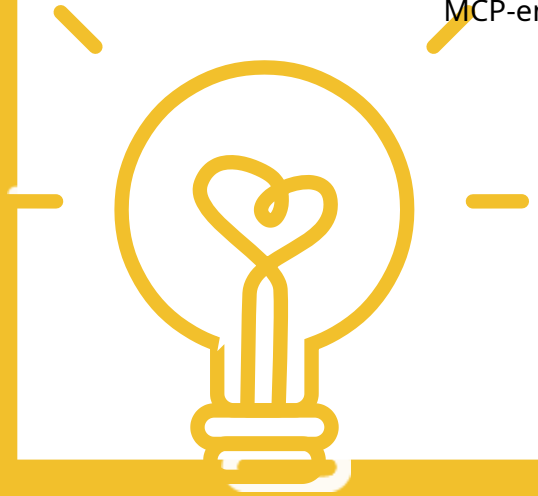
MCP stands for Model Context Protocol. It's an open standard that provides a universal way for AI models, particularly large language models (LLMs).

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

GitHub

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

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.

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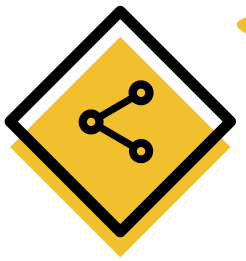
Agents, which are LLMs equipped with instructions and tools



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.

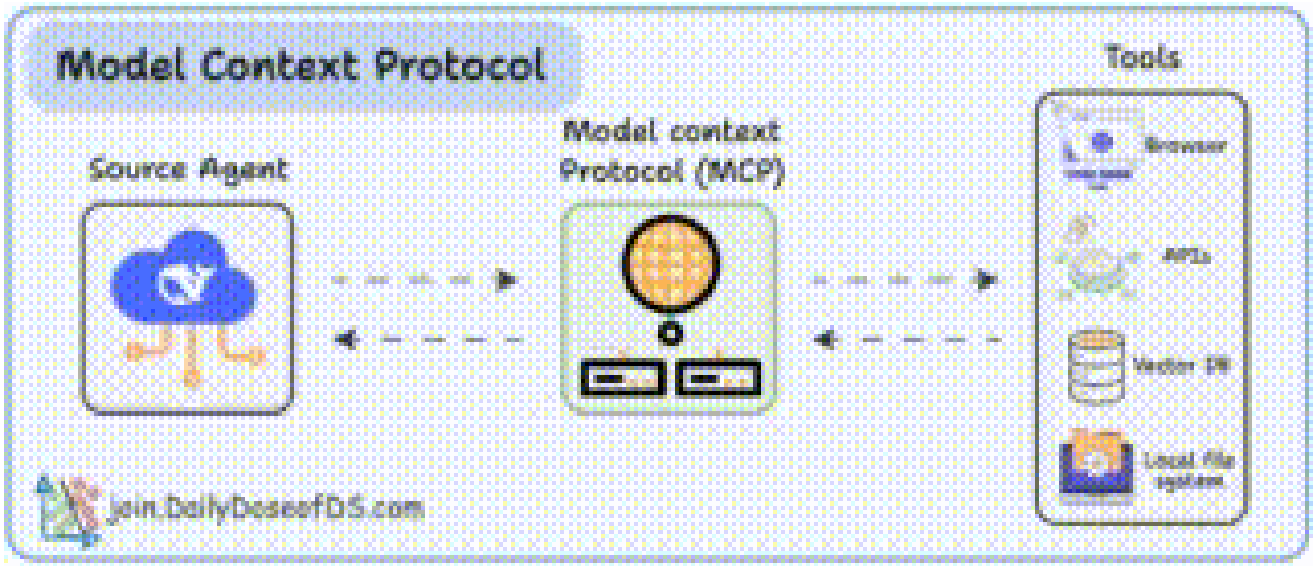
LINKS

OpenAI Agents SDK

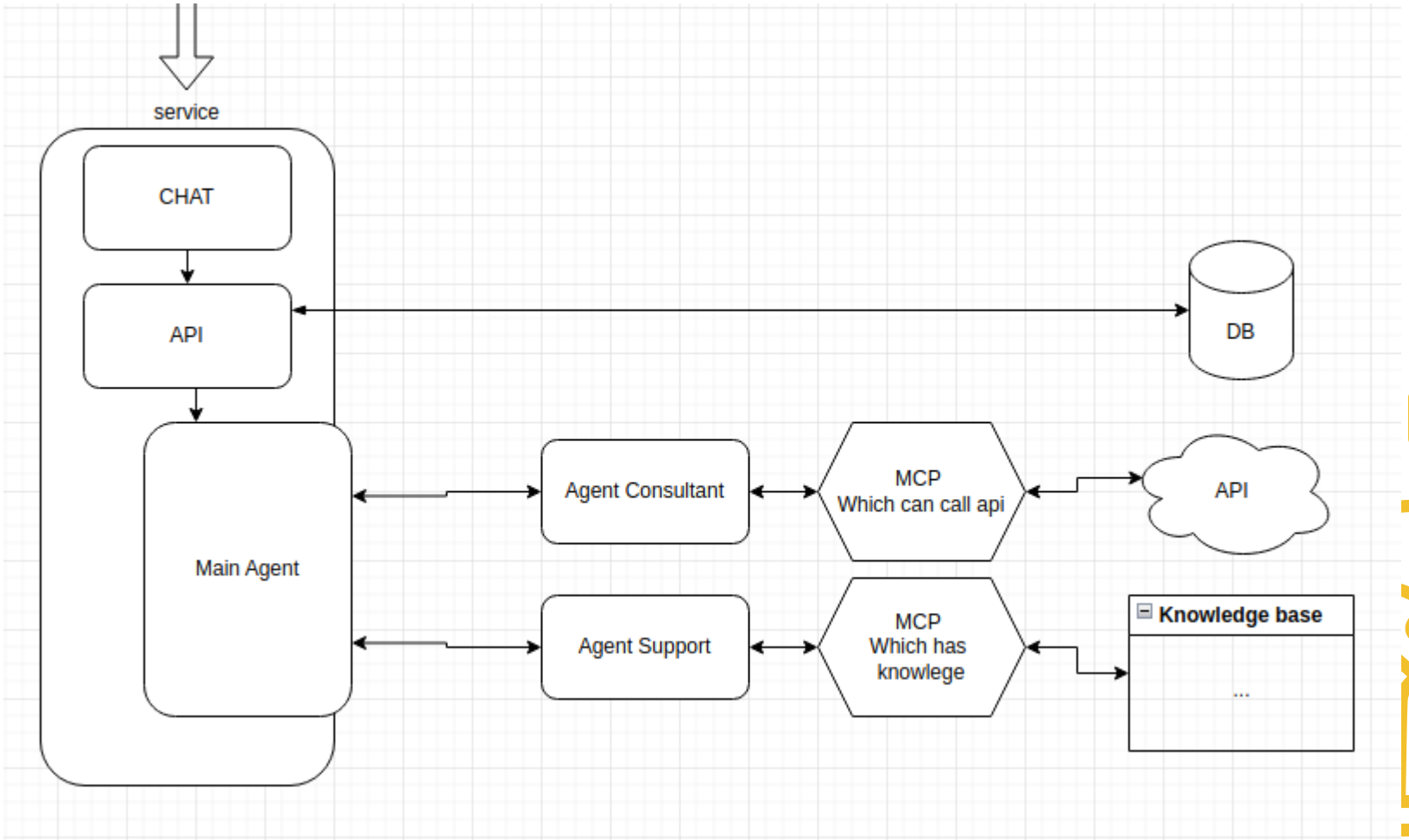
https://openai.github.io/openai-agents-python/

03 Let's do it together

How does this work



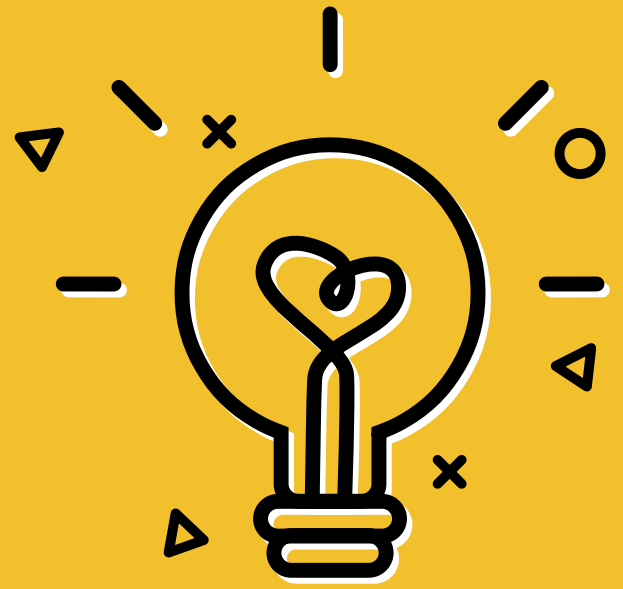
SCHEME


service
CHAT
API
Main Agent
DB
Agent Consultant
MCP
Which can call api
API
Agent Support
MCP
Which has
knowlege
Knowledge base
...

RESULT

Prototype

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



THANK YOU