

Introduction to Azure MCP Server



Piti (Fyi) Champeethong

10-May-2025

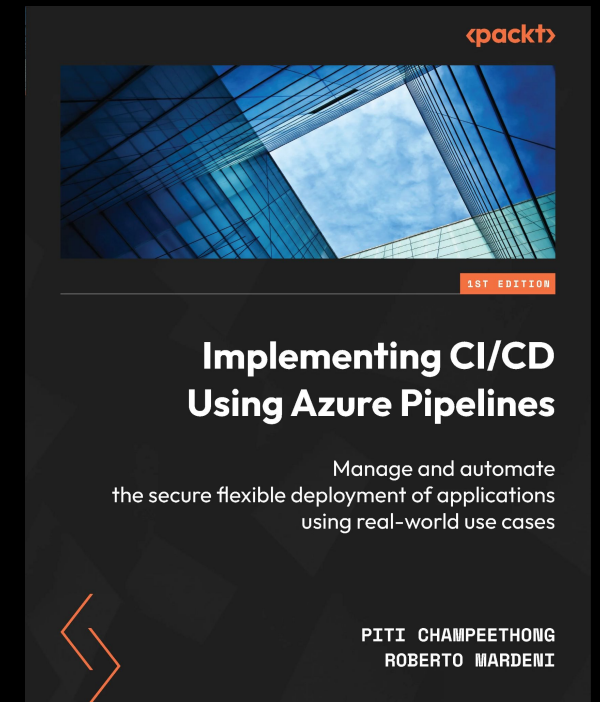
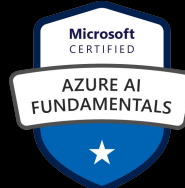


About Me

Piti (Fyi) Champeethong

Senior Consulting engineer (MongoDB)

Microsoft MVP (Developer Technologies)



<https://github.com/ninefyi>

Introduction to MCP

Model Context Protocol (MCP) is *an open protocol* that enables seamless *integration* between *LLM applications* and *external data sources* and *tools*. Whether you're building an AI-powered IDE, enhancing a chat interface, or creating custom AI workflows, MCP provides a standardized way to connect LLMs with the context they need.

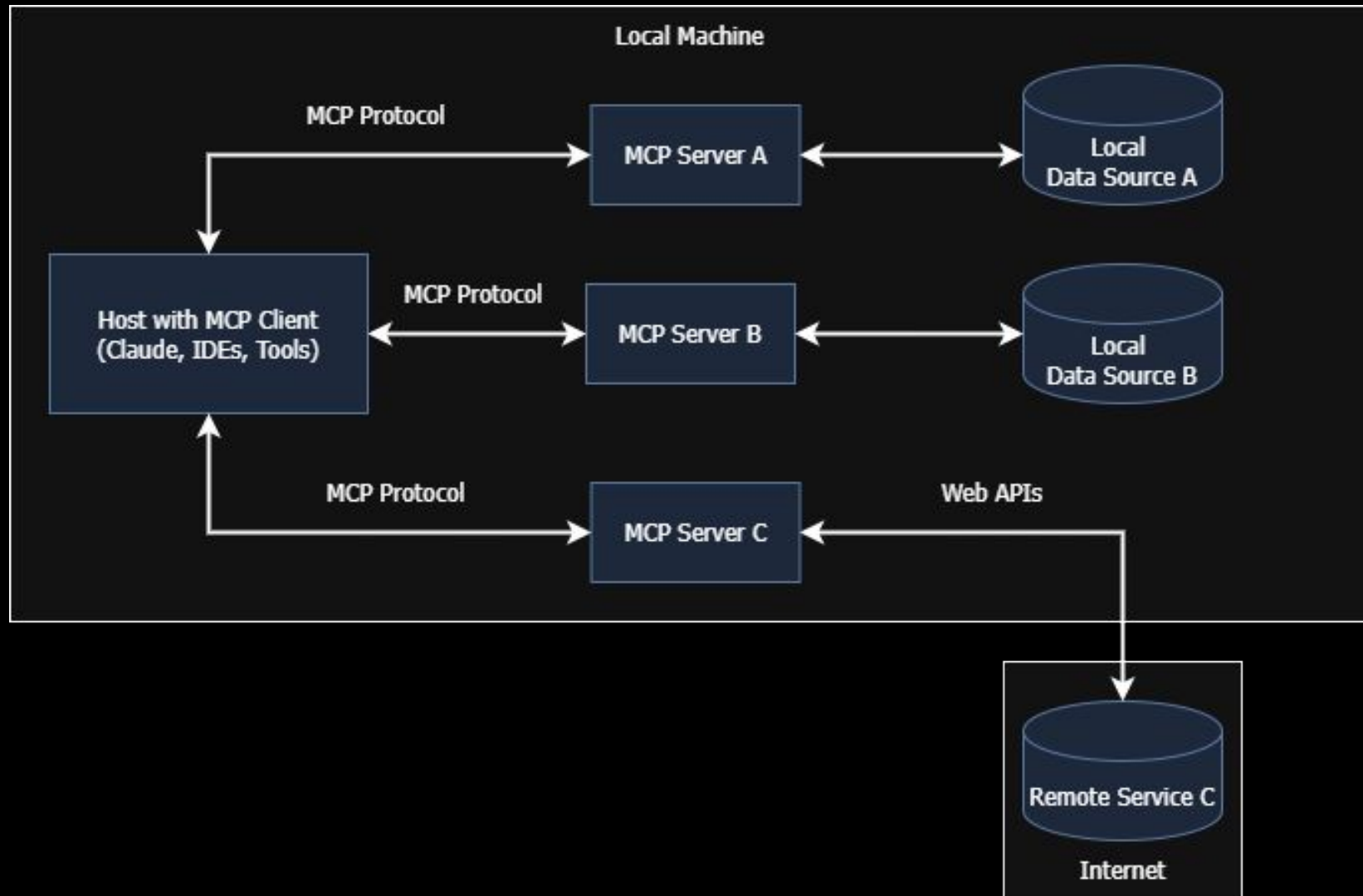


References: <https://modelcontextprotocol.io/specification/2025-03-26>

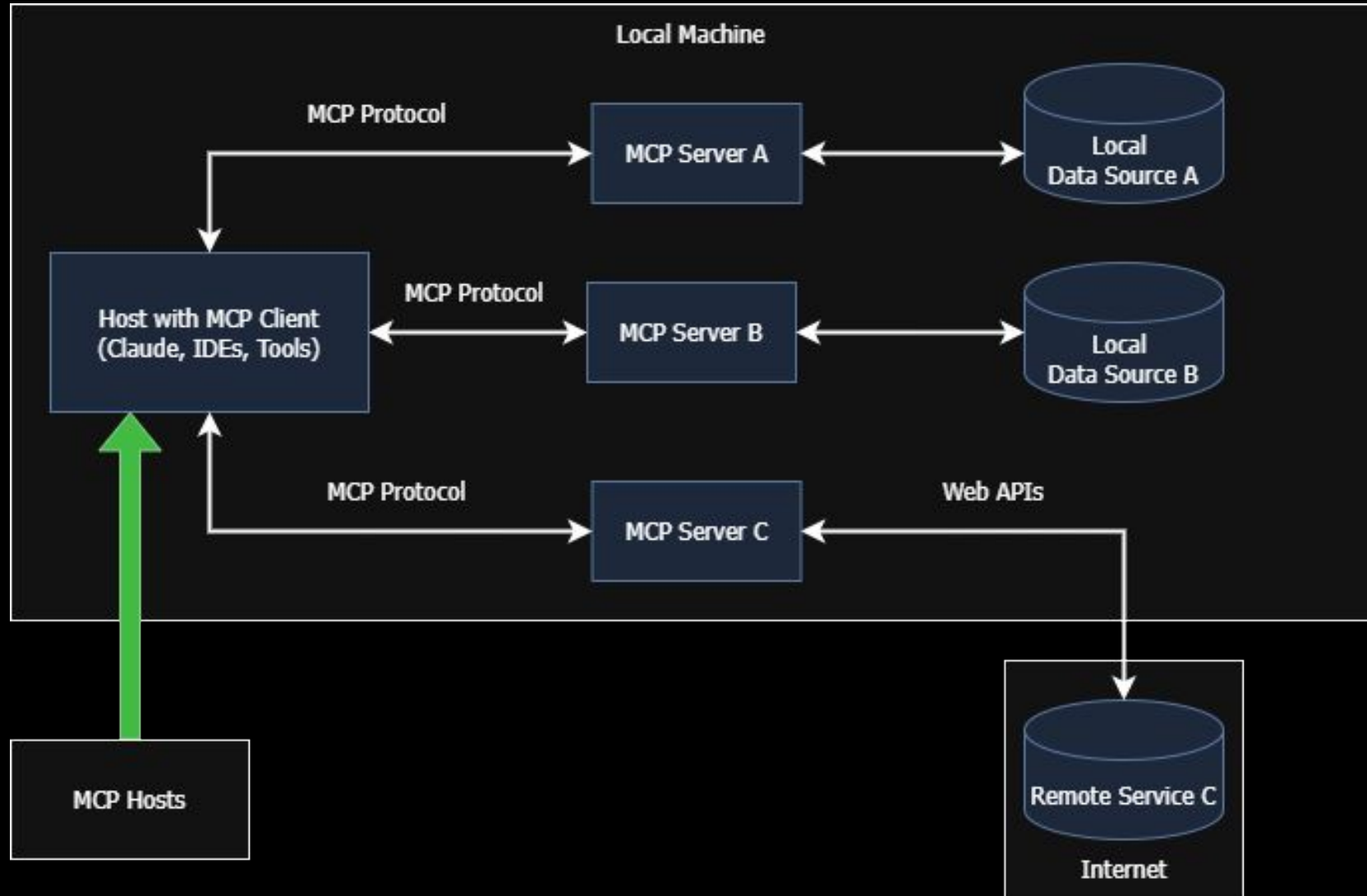
Key components of MCP

- MCP Hosts
- MCP Servers
- MCP Clients
- Local Data Sources
- Remote Services

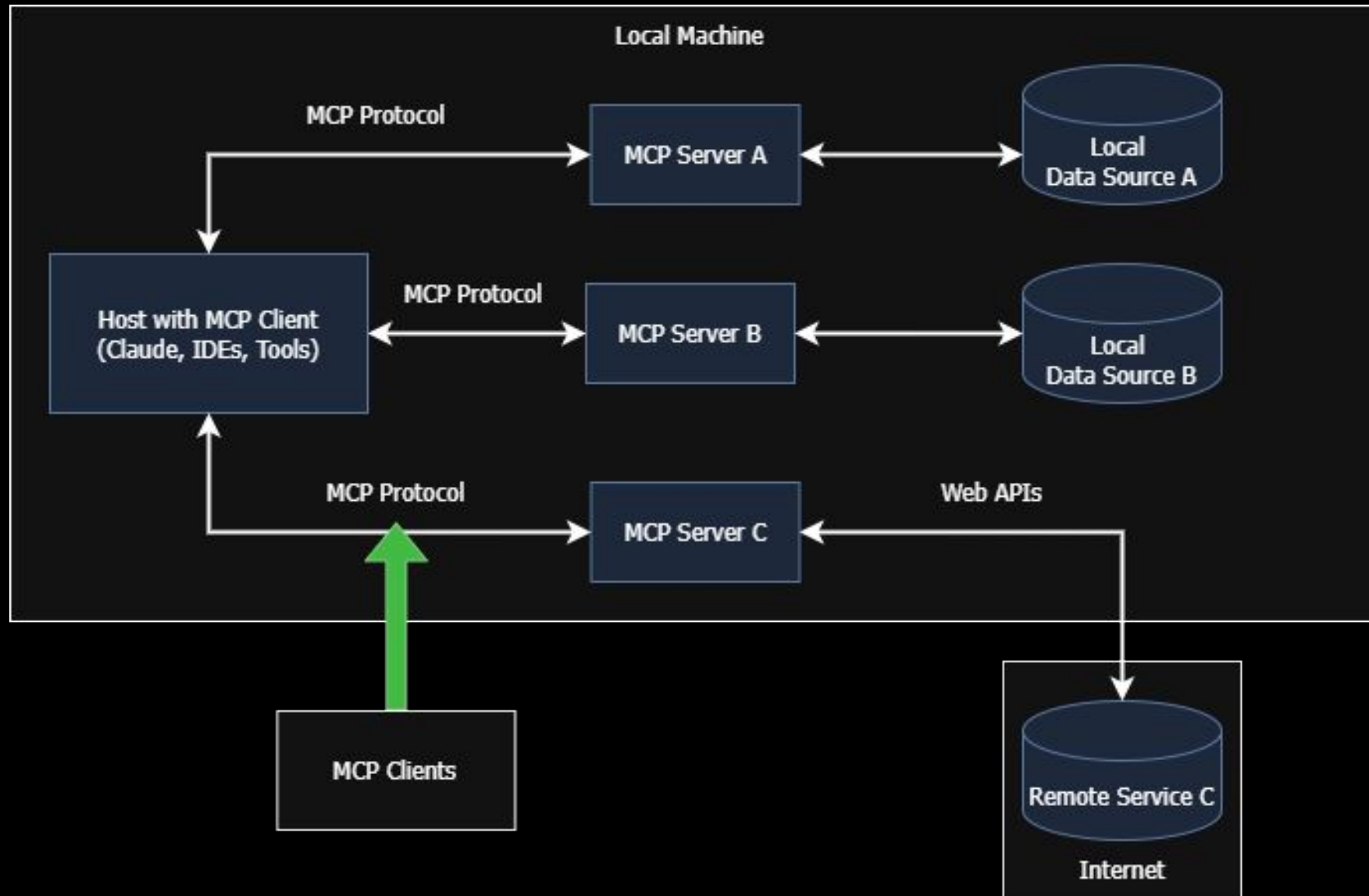
Key components of MCP



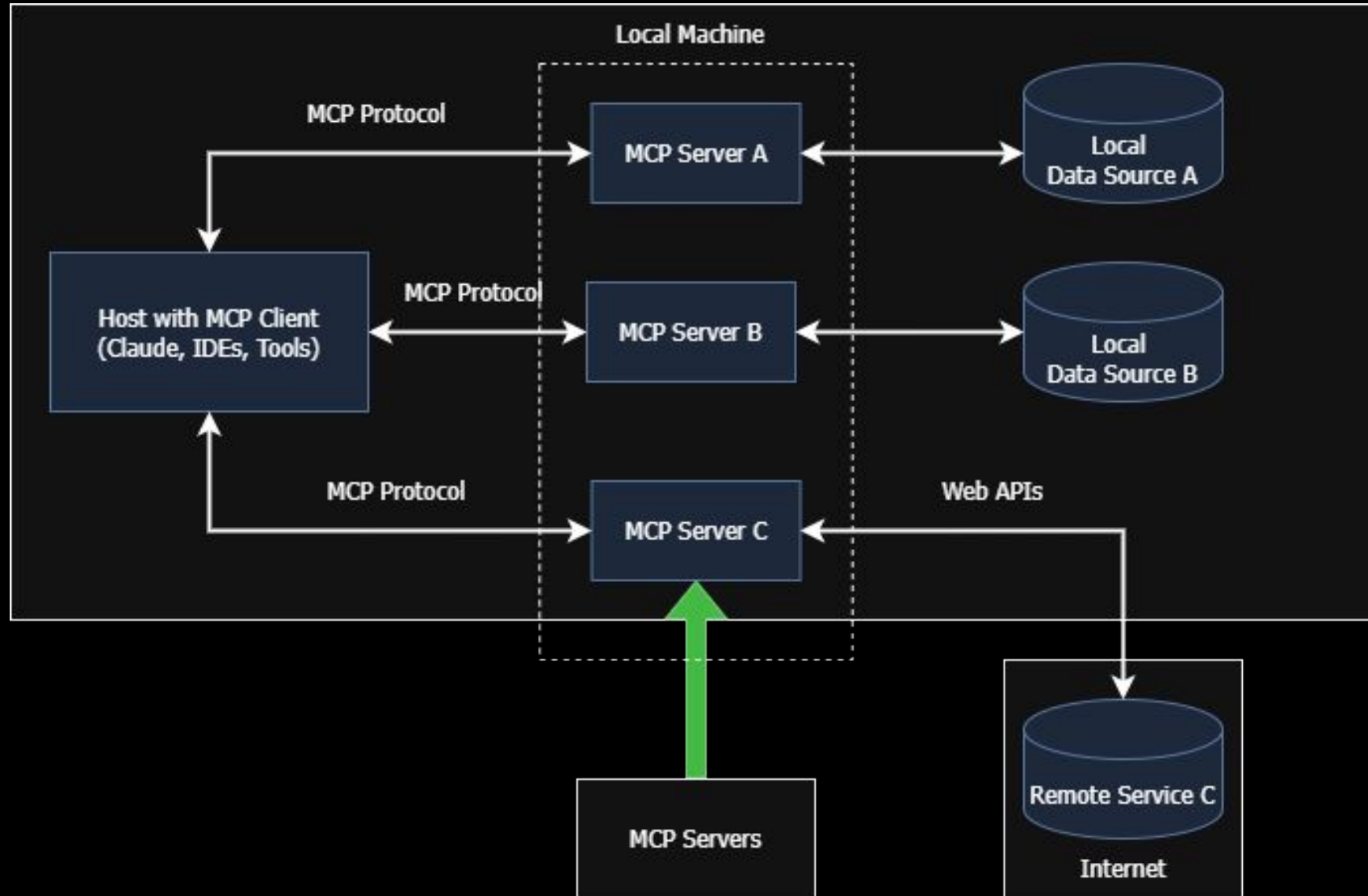
MCP Hosts



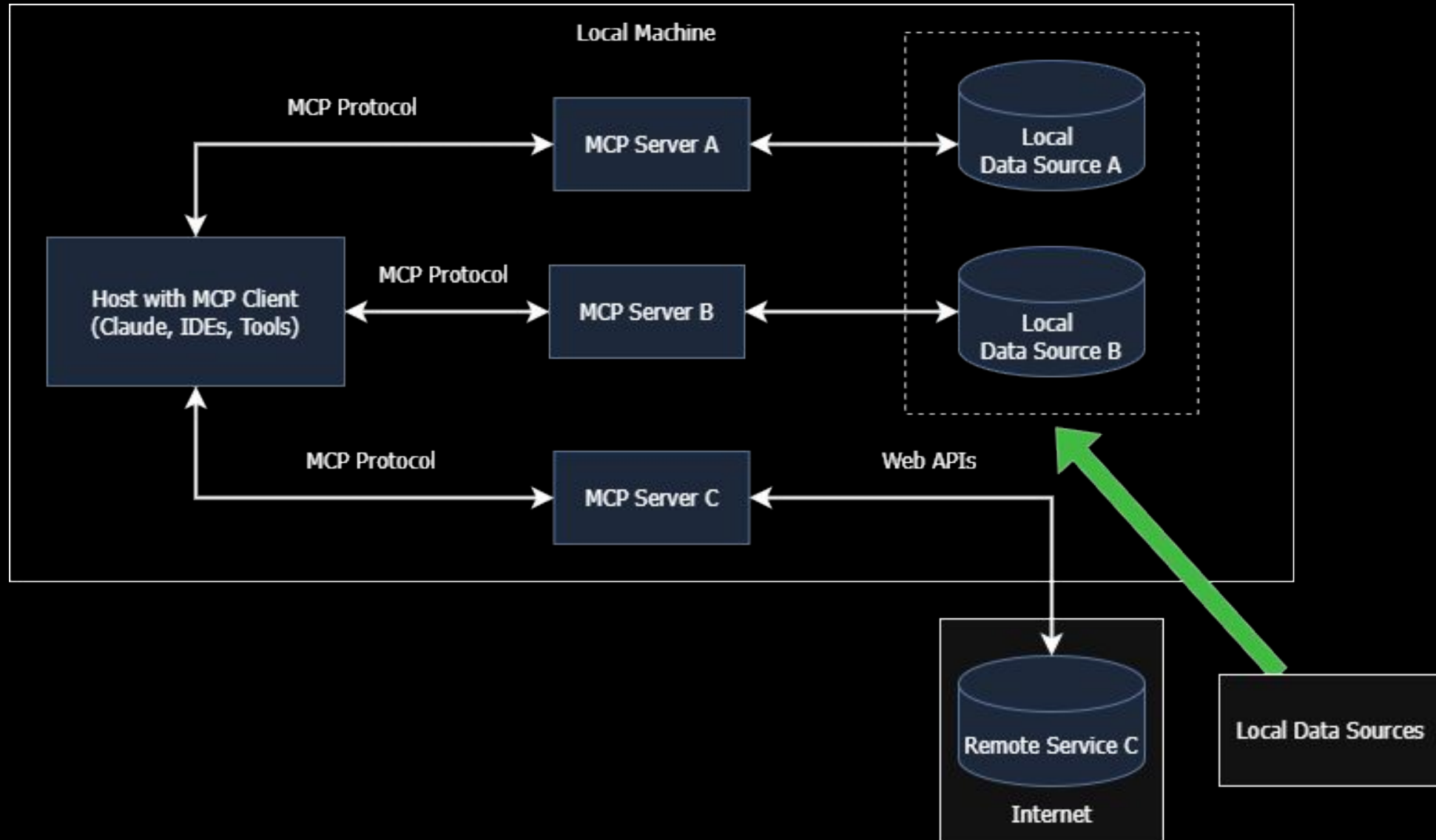
MCP Clients



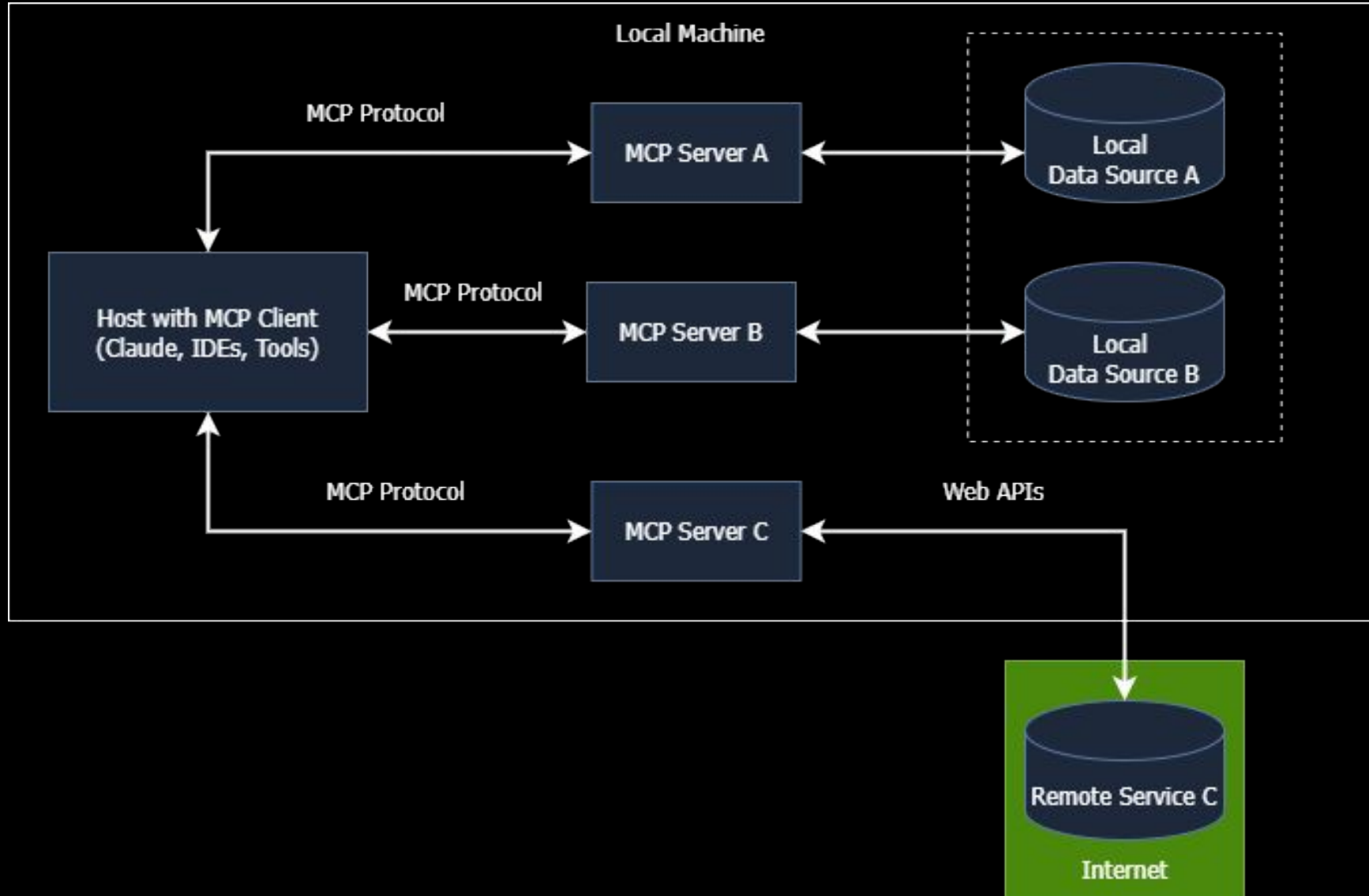
MCP Servers




Local Data Sources



Remote Services



MCP Servers and Clients

 MCP.so

Q Explore

Chat

Playground

Ranking

More

English

Submit

Sign In

13072 Indexed

Find Awesome MCP Servers and Clients

The largest collection of MCP Servers.

Sponsored by [Trae](#).

Azure

Search Results

 Azure AI Agent Service + Azu...

 Azure Revisor MCP Server
Mirror of

 Azure DevOps MCP
MCP server for Azure DevOps

 Global Azure Thailand 2025
Introduction to the Azure MCP Server

 Experimental MCP Service for...
An experimental MCP service for Azure AI Search in Python

 Azure DevOps MCP Server

 ChatApp-AI-Agent-MCP-...
Web Chat App which uses Azure AI Agent to connect to PostgreSQL using MCP-Server

 Azure Data Explorer MCP...

Azure MCP Server

- Azure Cosmos DB (NoSQL databases)
- Azure Storage
- Azure Monitor (Log Analytics)
- Azure App Configuration
- Azure CLI
- Azure Developer CLI (azd)

Azure OpenAI service

- Intelligent contact centers.
- Content generation.
- Workflow automation.
- Data-driven insights
- Accessibility

Demo .. demo .. demo

References

- <https://github.com/ninefyi/global-az-thailand-25>
- <https://devblogs.microsoft.com/azure-sdk/introducing-the-azure-mcp-server/>
- <https://modelcontextprotocol.io/introduction>
- <https://www.gradio.app/guides/building-an-mcp-client-with-gradio>
- <https://medium.com/@vkrishnan9074/mcp-clients-stdio-vs-sse-a53843d9aabb>
- <https://mcp.so>

Thank you!