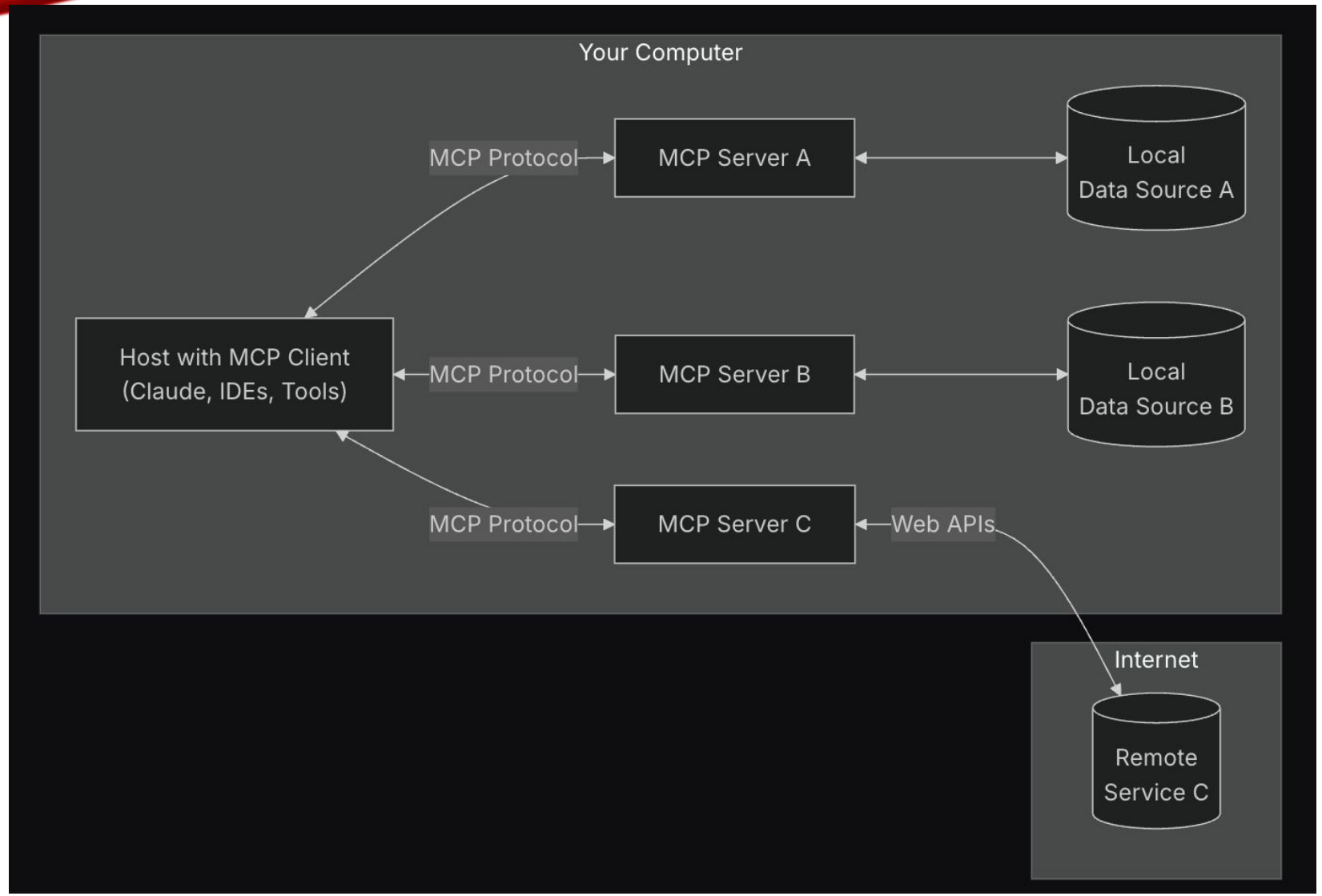
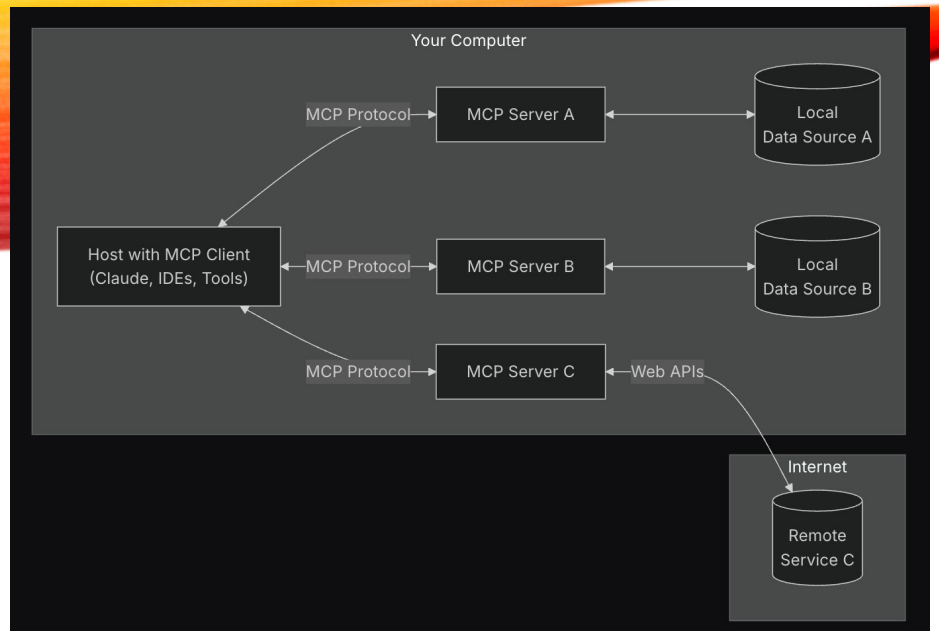
Model Context Protocol (MCP)

What is MCP?

Open standard that enables developers to build secure, two-way connections between their data sources and AI-powered tools.

The architecture is straightforward: developers can either expose their data through MCP servers or build AI applications (MCP clients) that connect to these servers.


Your Computer
MCP Protocol
MCP Server A
Local
Data Source A
Host with MCP Client
(Claude, IDEs, Tools)
MCP Protocol
MCP Server B
Local
Data Source B
MCP Protocol
MCP Server C
Web APIs
Internet
Remote
Service C



- **MCP Hosts**: Programs like Claude Desktop, IDEs, or AI tools that want to access data through MCP
- **MCP Clients**: Protocol clients that maintain 1:1 connections with servers
- **MCP Servers**: Lightweight programs that each expose specific capabilities through the standardized Model Context Protocol
- **Local Data Sources**: Your computer's files, databases, and services that MCP servers can securely access
- **Remote Services**: External systems available over the internet (e.g., through APIs) that MCP servers can connect to