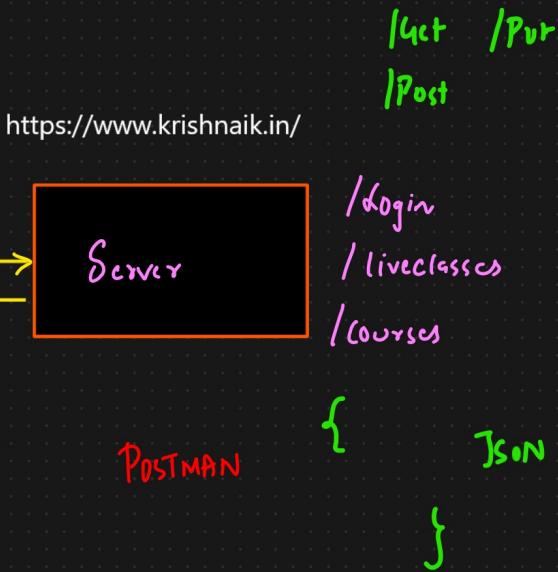
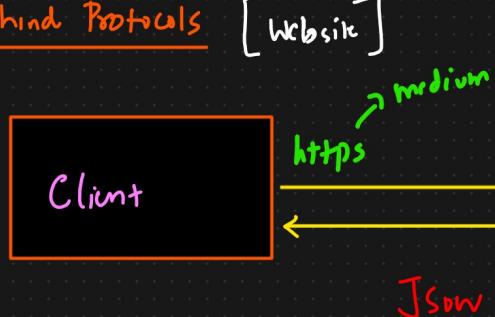


# Model Context Protocol (MCP)

## Idea Behind Protocols



What we have learnt till now?

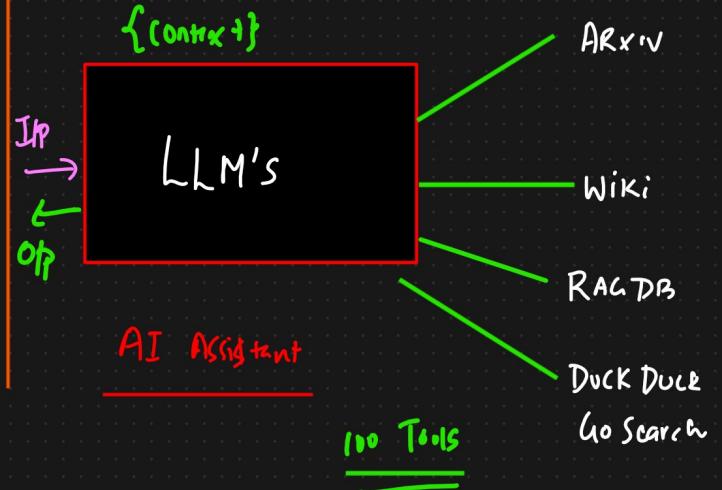
①

### Generative AI



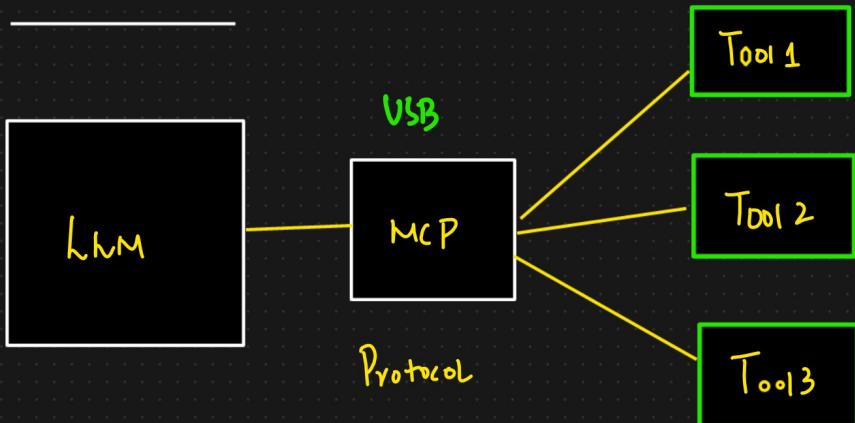
②

### Multimodal Agents, LLM with Tools

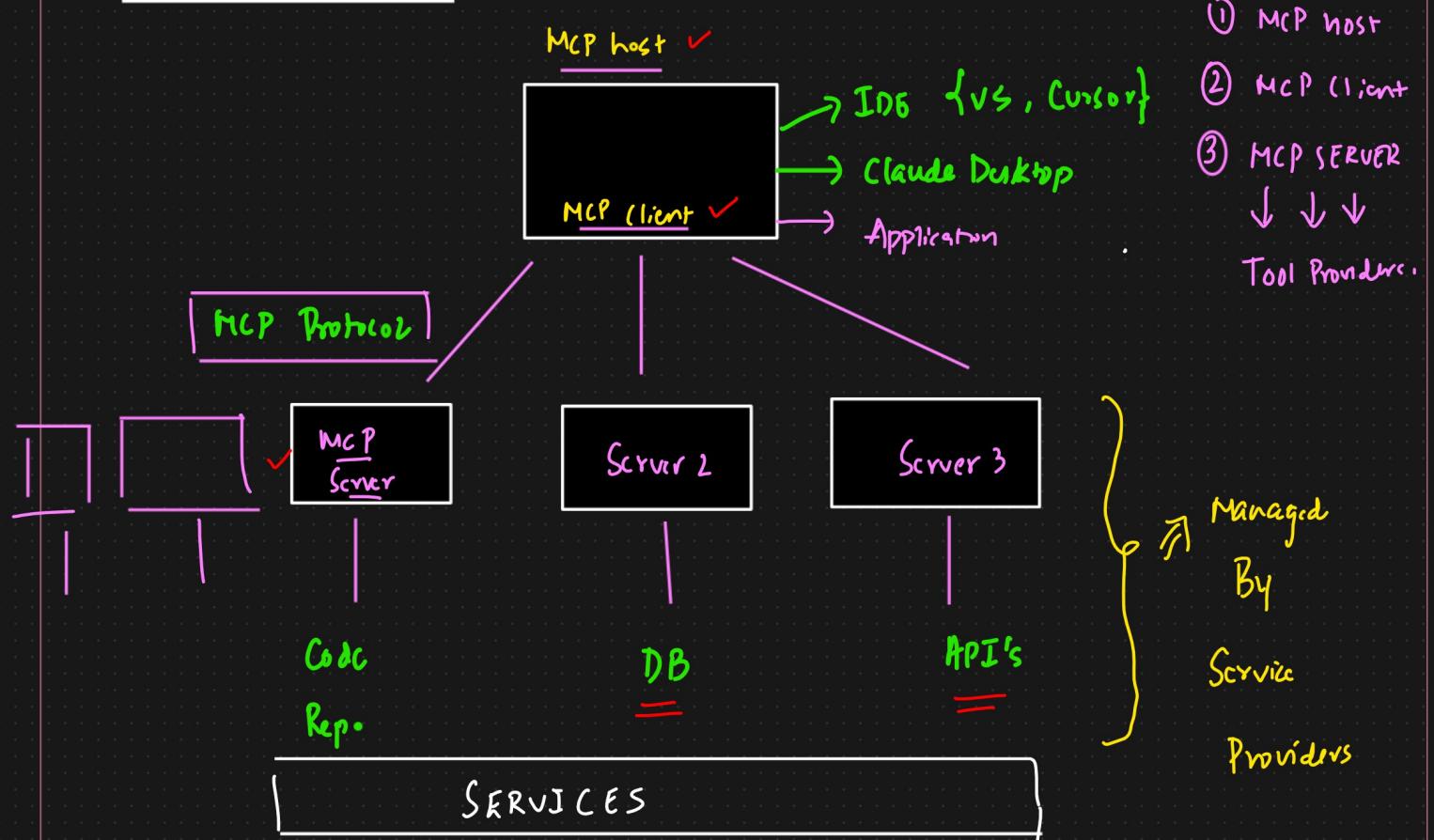


③

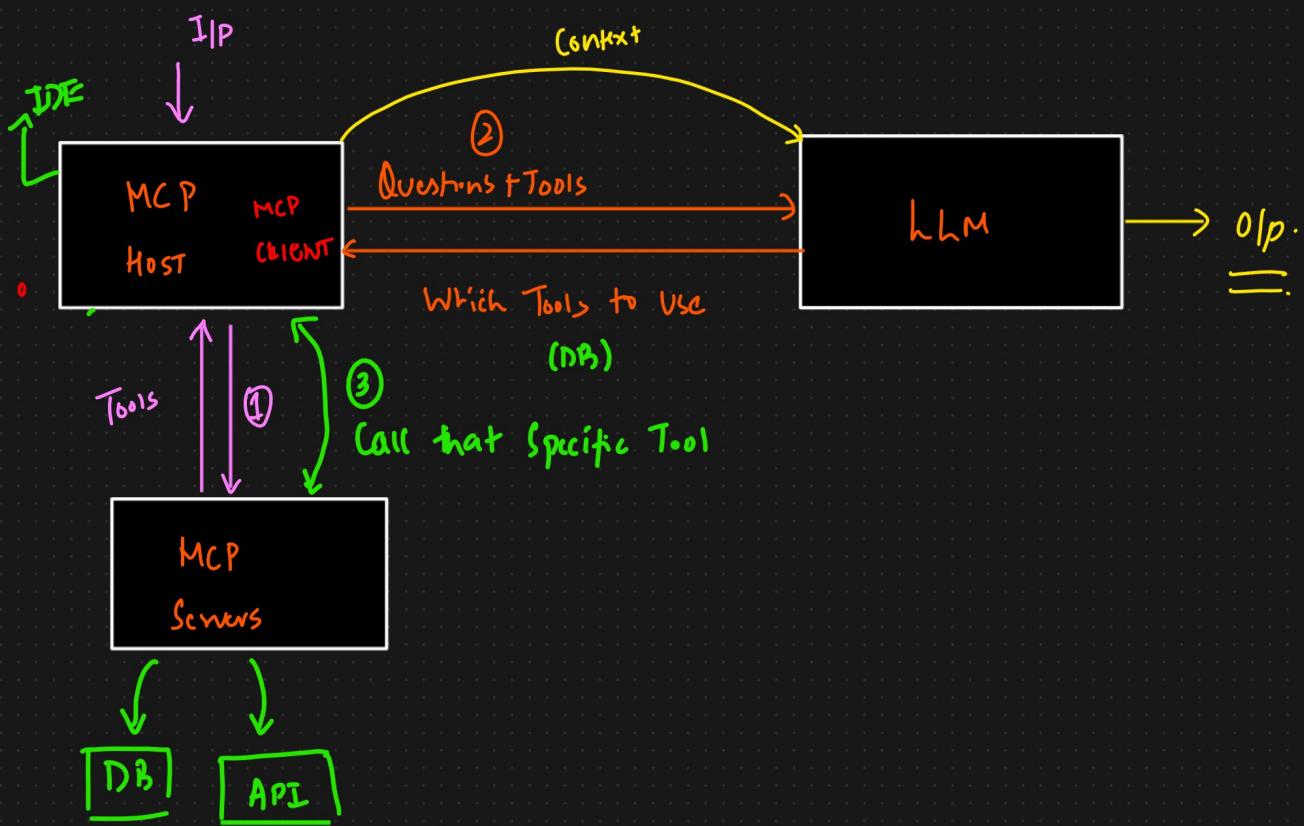
### LLMs + MCP



## Important Components



## Communication Between These Components



# Announcing the Agent2Agent Protocol (A2A)

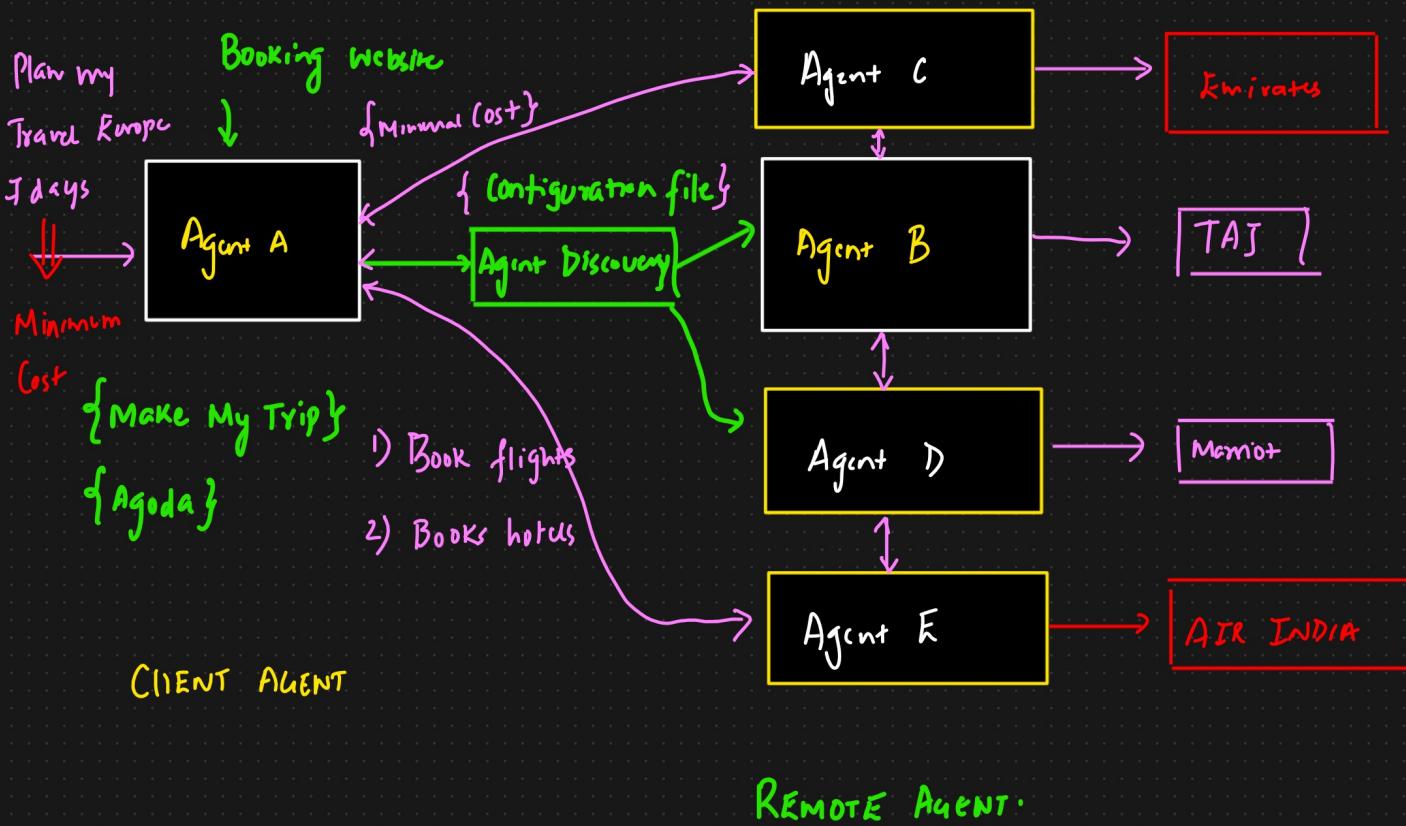


## Agenda

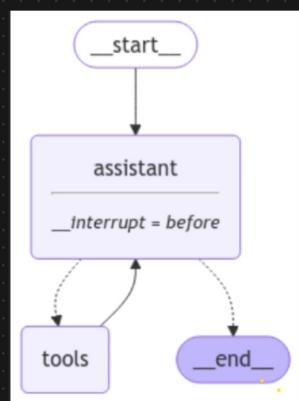
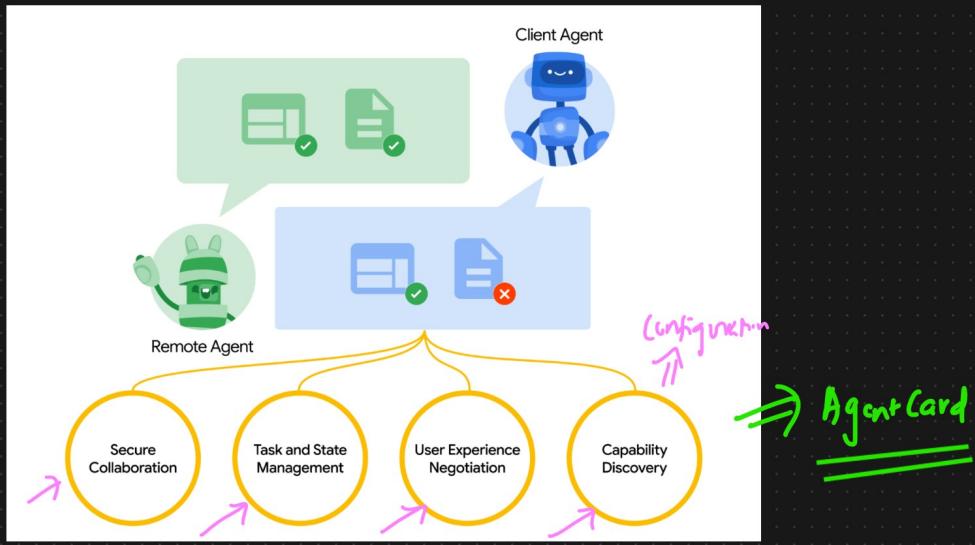
- 1) What is A2A protocol ?
- 2) How does A2A protocol work ?
- 3) Difference between A2A vs MCP ?
- 4) Dem with Coding?
- 5) Future Thoughts

## ① What is A2A protocol

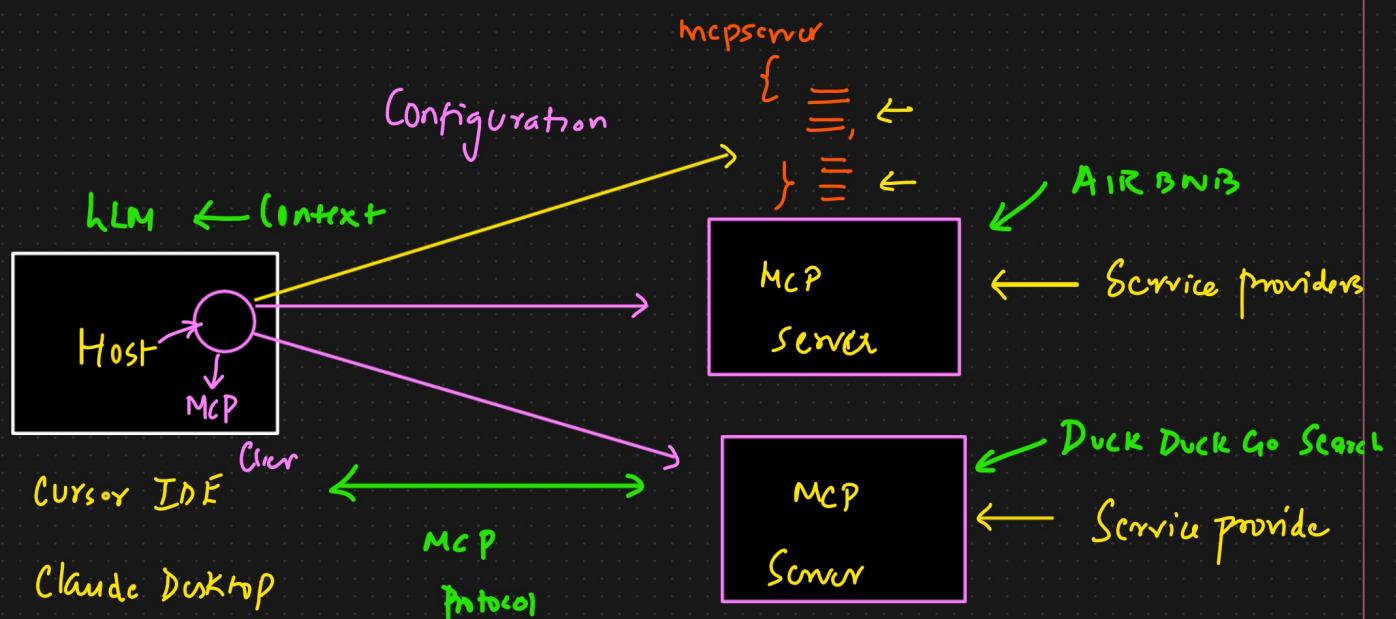
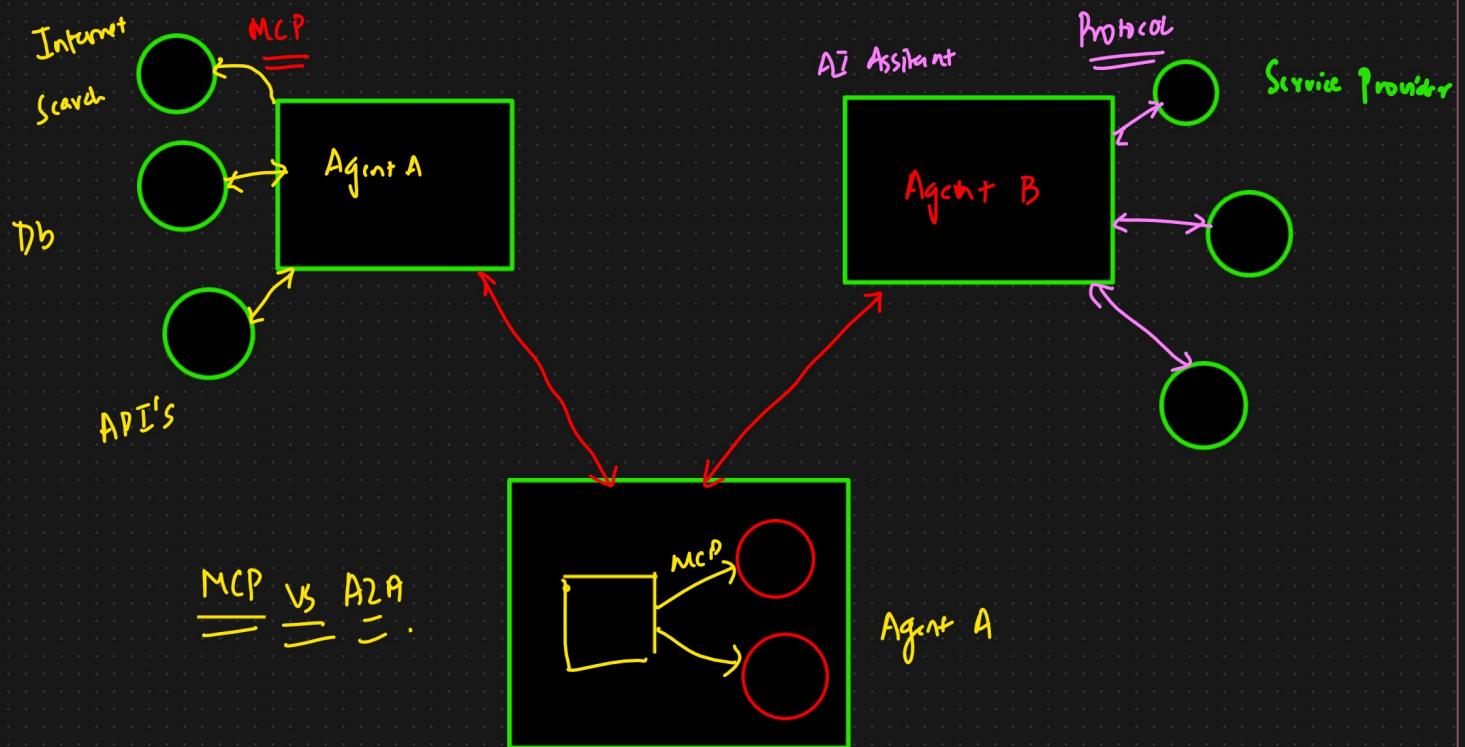
A2A is an open protocol that complements Anthropic's Model Context Protocol (MCP), which provides helpful tools and context to agents. Drawing on Google's internal expertise in scaling agentic systems, we designed the A2A protocol to address the challenges we identified in deploying large-scale, multi-agent systems for our customers



# How A2A works?



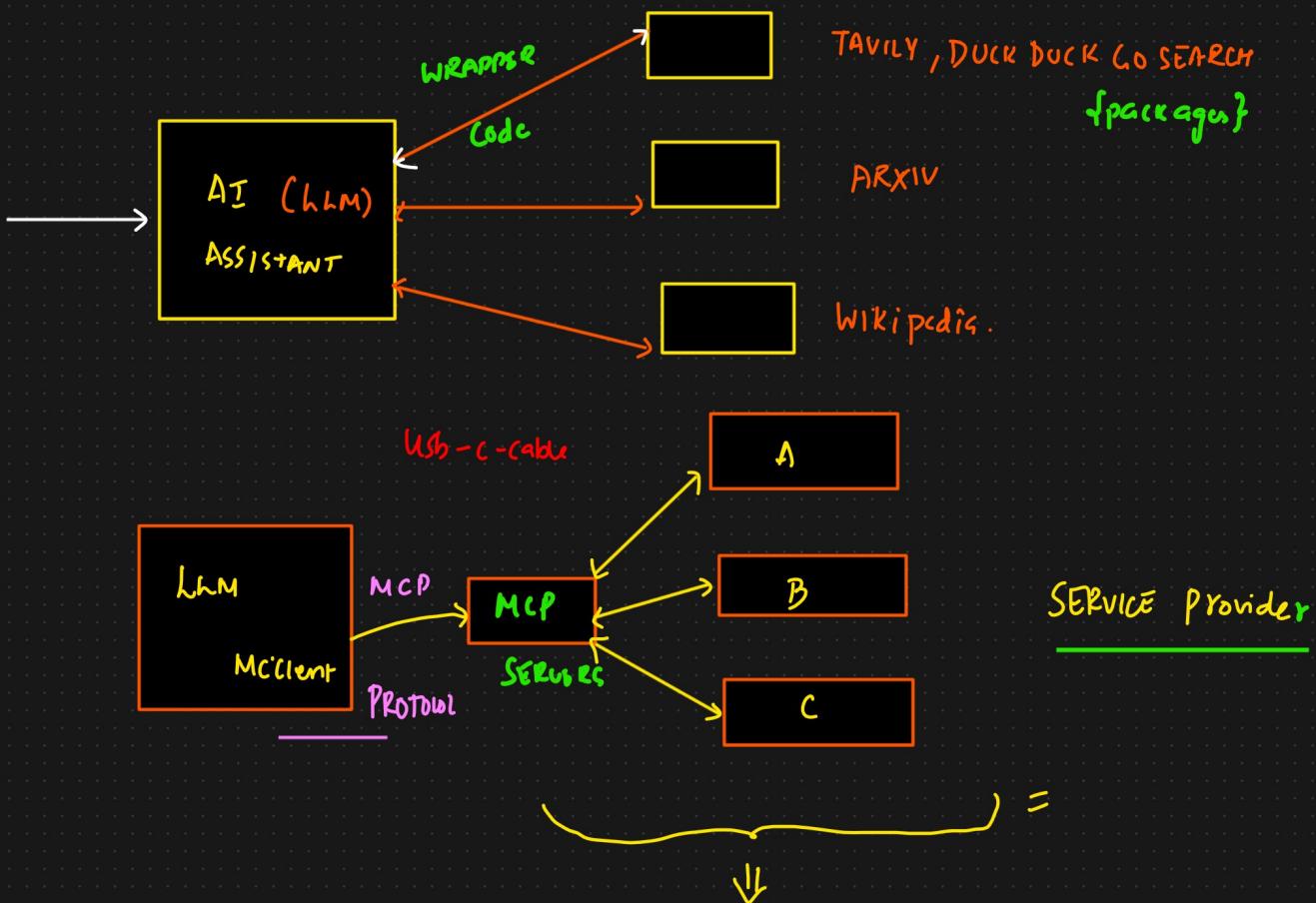
### 3 Difference between MCP Vs A2A



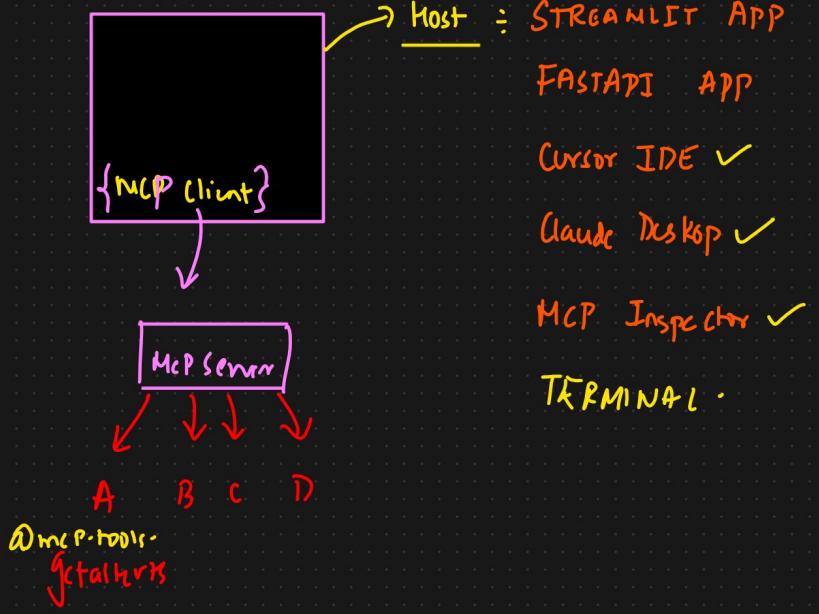
# MCP CRASH COURSE

## Agenda

- 1) What is MCP? [Revisc]
- 2) Building MCP Server FROM SCRATCH [MCP Inspector, Claude, Cursor]
- 3) Integrating MCP SERVER WITH CLIENT
- 4) Integrating With LLM's
- 5) Dockers Setup [Deployment].



- 1) MCP SERVER → Tools  
Managed By Service Provider.
- 2) MCP CLIENT



Host : STREAMLIT APP  
FASTAPI APP  
Cursor IDE ✓  
Claude Desktop ✓  
MCP Inspector ✓  
TERMINAL ·

① mcp-tools  
gtalibris