Task 1

> *This task takes approximately 5 minutes*

Survey Link: https://forms.gle/nKB38nudUnWDZhne7

The website provided for this task is a simulated MCP server showcase platform where all content is fictional. Please do not directly use any servers from it. The website will record your click events during operation and store them anonymously in Google Analytics.

Please complete all tasks in order. You may only begin the next task after completing the previous one.

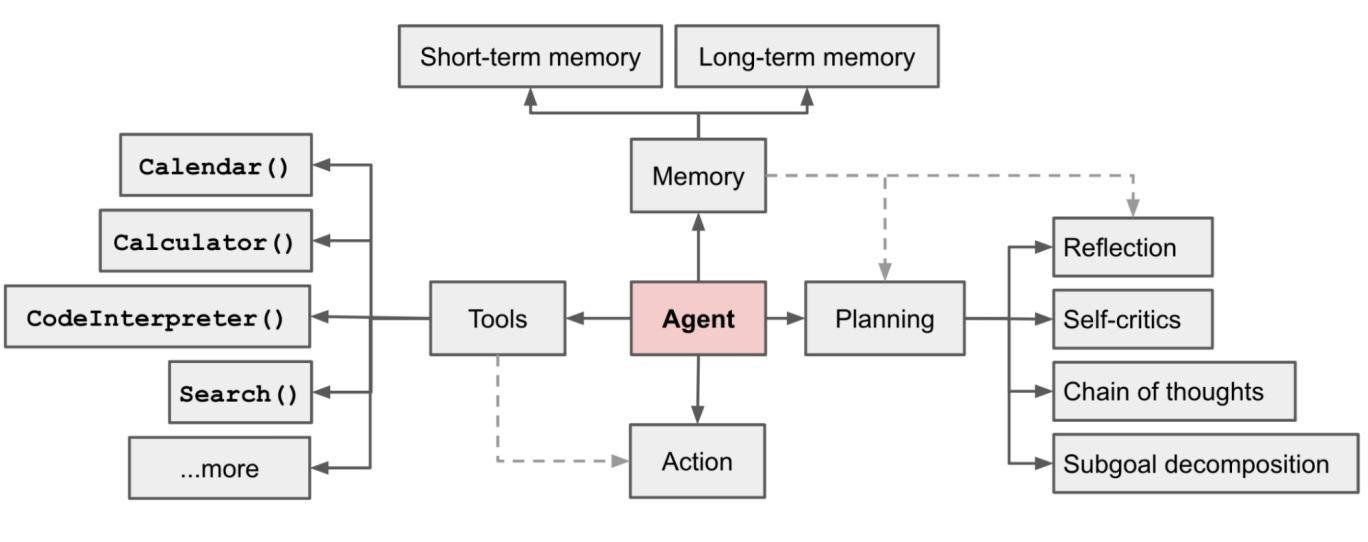
1.1

Please familiarize yourself with knowledge about AI Agents and MCP, including but not limited to the following materials:

AI Agent

Artificial Intelligence Agent (AI Agent) refers to a system or program that can autonomously design workflows and utilize available tools to perform tasks on behalf of users or other systems.

AI Agents can encompass a wide range of functions beyond natural language processing, including decision-making, problem-solving, interaction with external environments, and execution of specific actions. These agents can be deployed in various applications, from software design and IT automation to code generation tools and conversational assistants, solving complex tasks in enterprise environments. They leverage the advanced natural language processing capabilities of Large Language Models (LLMs) to progressively understand and respond to user input while determining when to invoke external tools.



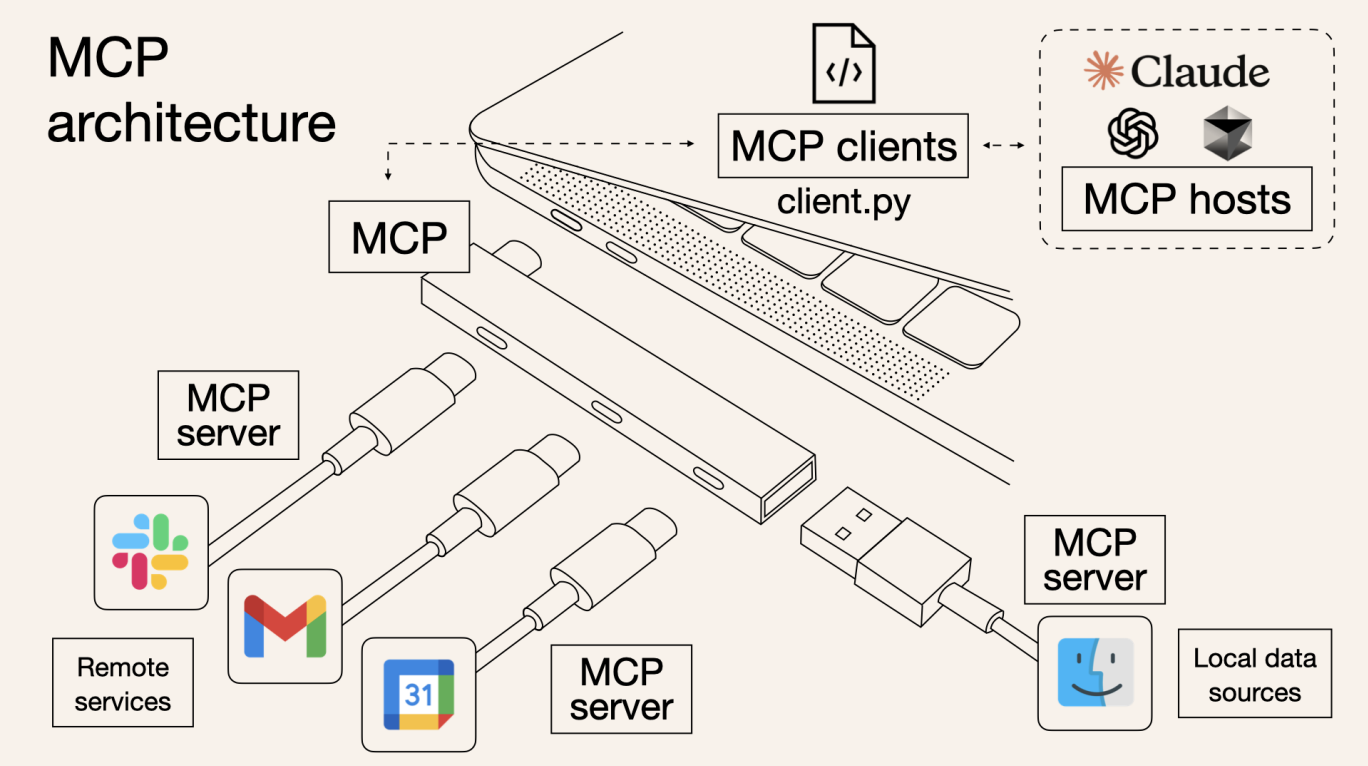
Model Context Protocol Introduction

Model Context Protocol (MCP) is a standardized protocol that allows applications to provide context to Large Language Models (LLMs) in a structured manner, enabling AI Agents to securely interact with local and remote resources through standardized servers.

MCP was developed to address the challenges of integrating LLMs with external data sources and tools, providing applications with a standardized way to expose their functionality to LLMs, thereby enabling more powerful and flexible AI applications.

An MCP system typically includes two components: MCP hosts (clients) and MCP servers. MCP hosts are LLM applications such as Claude Desktop, Cursor, VS Code, Cline, and Trae, which maintain communication with MCP servers through internal session clients and provide context to LLMs.

MCP servers are applications responsible for exposing **Resources**, **Tools**, and **Prompts** to MCP hosts. MCP servers serve as standardized processors for external world applications, receiving invocation commands from LLMs, executing them in external applications, and returning results back to LLMs.



In simple terms, MCP is a bridge connecting LLM applications (such as Cursor and VS Code) with external programs. By installing various MCP servers, LLM applications can obtain external information and execute actual tasks, essentially providing AI with "eyes" and "hands" to perceive and operate in the real world.

MCP Ecosystem

Currently, tens of thousands of MCP servers have emerged in the market. Apart from official offerings, most are third-party community integrations covering various domains such as information retrieval, file management, social media, financial operations, and development optimization.

To facilitate user browsing and searching for needed MCP servers, various MCP application markets and portal websites have emerged, such as Smithery.ai, MCP.so, and Awesome MCP Servers. Developers can share their MCP servers and MCP hosts (clients) on these websites/lists.

1.2

Scenario: Suppose you need an AI Agent to plan your next trip and need to install relevant MCP servers to allow the AI Agent to interact with real-world applications. You enter a portal website MCP-Servers.shop that provides various MCP servers, selecting potentially needed MCP servers to complete tasks such as time planning, weather queries, document recording, message sending, etc.

Objective: Select and simulate the installation of MCP servers (unlimited quantity), record the MCP servers you choose, and fill out the survey.

Operation Method:

- Open www.mcp-servers.shop, enter the website, and browse the server list
- Click on server cards of interest to enter detail pages and view server information
- On the detail page, click the `Try This Server` button to simulate installing that server
- (Optional) Click `View Source Code` to download and view the current server's source code
- (Optional) Click/drag information in `Server Config` to view the server's configuration method