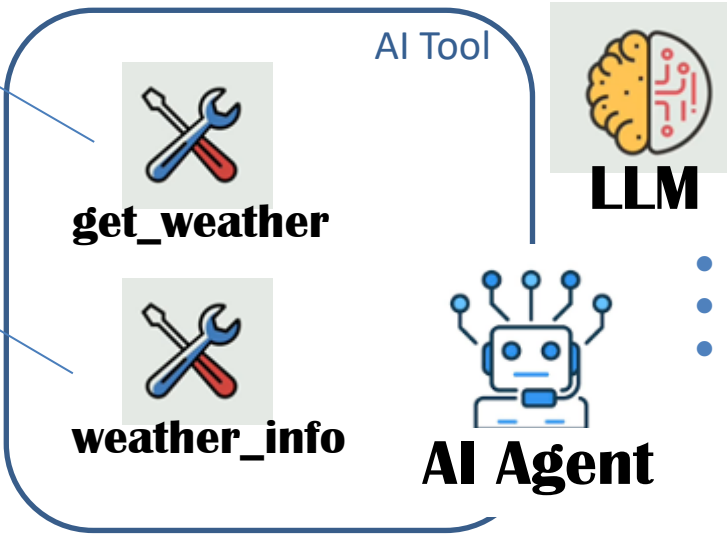
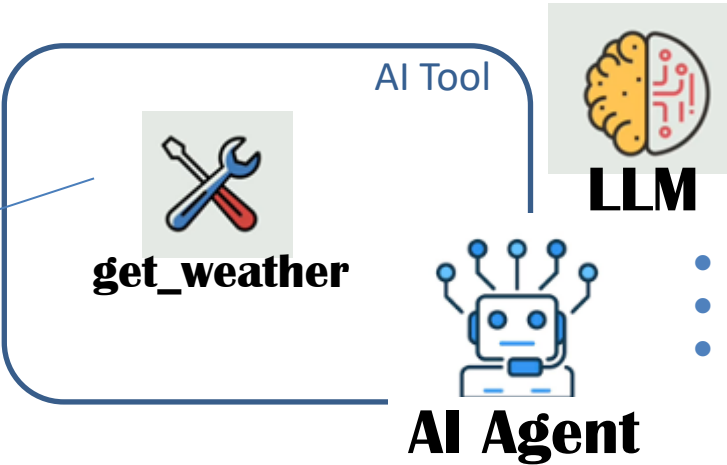
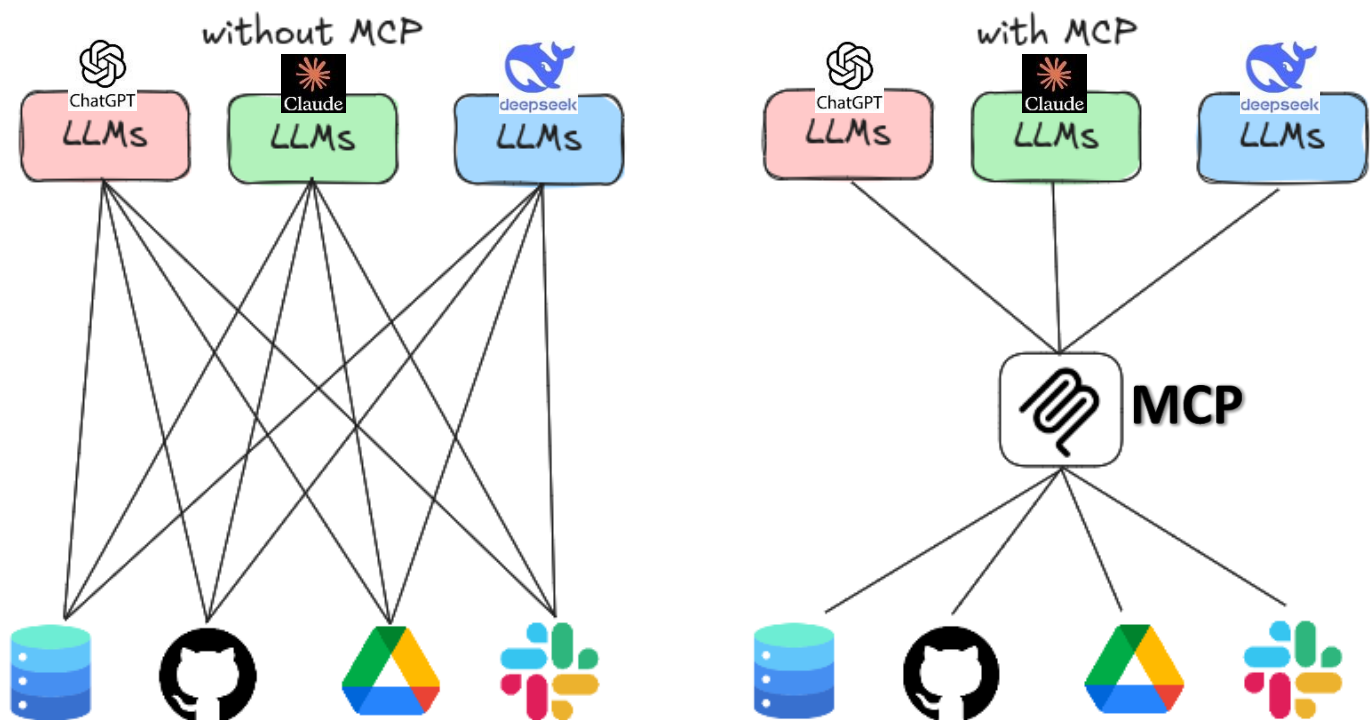


Without MCP



- User Prompt
- System Prompt





Gmail API

```
GET https://gmail.googleapis.com/gmail/v1/users/me/messages?q=is:unread
Authorization: Bearer <access_token>
```

Outlook API

```
GET
https://graph.microsoft.com/v1.0/me/mailFolders/Inbox/messages?filter=is
Read eq false
Authorization: Bearer <access_token>
```

- Gmail 用 `q=is:unread` 查未讀郵件。
- Outlook 用 `filter=isRead eq false` 查未讀郵件。

Different function, different parameter

```
// Function Calling A
get_weather_info(city, date)

// Function Calling B
fetch_weather(location, time)

// Function Calling C
retrieve_weather_data(object)
```

Function Definition of “get_weather_info”

```
functions = [
    {
        "name": "get_weather_info",
        "description": "提供指定地點和日期的天氣資訊。",
        "parameters": {
            "type": "object",
            "properties": {
                "city": {
                    "type": "string",
                    "description": "需要查詢天氣的地點，例如 'Hong Kong'",
                },
                "date": {
                    "type": "string",
                    "description": "需要查詢天氣的日期（格式：YYYY-MM-DD）"
                },
            },
            "required": ["city", "date"]
        }
    }
]
```

```
import openai

openai.api_key = "YOUR_API_KEY"

response = openai.ChatCompletion.create(
    model="gpt-4-0613",
    messages=[
        {"role": "system", "content": "你是一個天氣助手，專門提供天氣資訊。"},
        {"role": "user", "content": "幫我查香港明天嘅天氣。"}
    ],
    functions=functions, # Passing Function definition
    function_call="auto" # Let LLM decide whether to use the function
)
```

With MCP

