

# API preparation

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# API Authentication

MaiAgent uses API keys for authentication.

## Authentication Method

All API requests must include an API Key in the HTTP Header, in the following format:

```
const headers = {
  "Authorization": "Api-Key YOUR_API_KEY_HERE",
  "Content-Type": "application/json"
}
```

## How to Obtain an API Key?

Please log in to the MaiAgent system backend and follow these steps:

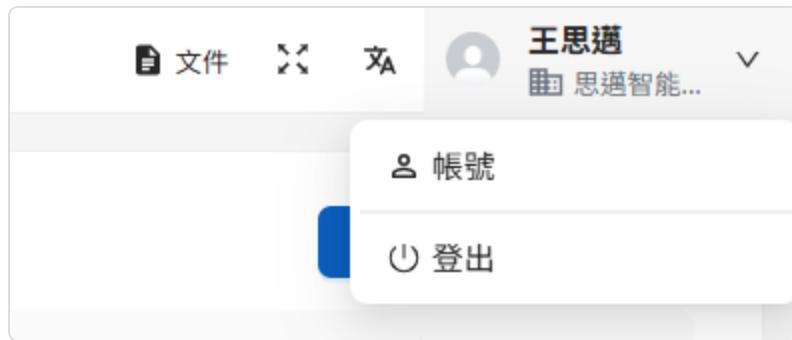
Click the "Username" dropdown menu in the upper right corner.

Click "Account" to go to the profile page.

The screenshot shows the MaiAgent system backend interface. The top navigation bar includes 'MAIAGENT' logo, 'AI 功能 / AI 助理' (AI Functions / AI Assistant), and a user dropdown '王思邁'. The left sidebar has sections for 'AI 功能' (selected), '知識庫', '工具', and '爬蟲'. The main content area displays a table of AI assistants with columns: ID, 名稱, 大語言模型, 回答模式, 關聯知識庫, 最後更新時間, and 操作. There are three entries listed:

ID	名稱	大語言模型	回答模式	關聯知識庫	最後更新時間	操作
1af8b729-cbca-4c07-b685-...	LLM 測試用	Qwen3 32B(groq)	一般(預設)	LLM 測試用的知識庫	2025-09-09 23:27:51	
da10bf5e-b8c8-4cac-85cf-...	全螢幕嵌入示範	Claude 4 Sonnet	Agent	營運資料庫	2025-08-27 18:01:48	
68aa8a32-798a-473c-8cc3-...	台股大盤分析	Claude 4 Sonnet	Agent	台股大盤分析的知識庫	2025-08-12 10:40:59	

At the bottom right, there are pagination controls: '共 3 條資料' (3 items), '10 條/頁' (10 items per page), and a search icon.



Switch the page to the API Key page.

A screenshot of the "個人資料" (Personal Information) page. The page title is "個人資料" and the subtitle is "管理您的個人資料、組織及驗證". Below the title, there are five tabs: "個人資料" (selected), "我的組織", "邀請管理", "帳號安全", and "API 金鑰". The "API 金鑰" tab is highlighted with a red box.

You can then copy and view the "API Key".

A screenshot of the "API 金鑰" (API Key) management page. The page title is "個人資料" and the subtitle is "管理您的個人資料、組織及驗證". Below the title, there are five tabs: "個人資料", "我的組織", "邀請管理", "帳號安全", and "API 金鑰" (selected). The main content area shows a table with one row of data:

密鑰	建立時間
g5BnKD8.He2TvtZTaAsXs	2025-07-24 07:26:03

Security Reminder: Please keep your API key secure and do not share it in public places. Key Format Description: The API key is a combination of alphanumeric characters.

## Error Handling

When authentication fails, the API will return a 401 Unauthorized HTTP error code:

**Invalid or Missing API Key**

```
{  
    "detail": "Authentication credentials were not provided."  
}
```

*Fix suggestion: Check if the request header contains the correct Authorization field. The format should be:* `Authorization: Api-Key YOUR_API_KEY`

## Incorrect API Key Format

```
{  
    "detail": "Invalid API key format."  
}
```

*Fix suggestion: Confirm that the API Key format is correct. Check if the correct prefix `Api-Key` is used instead of `Bearer`, and ensure the API Key itself does not have extra spaces or characters.*

# Status Codes

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When sending an HTTP request via the API, you can use the following status codes to check if the API request was successful:

## Status Code Descriptions

### Success Codes

Status Code	Description
200	Request successful
201	Resource created successfully

### Success Response Example

This is a content demonstration. The response format may vary for different endpoints. Please refer to the documentation for the specific endpoint.

```
{  
    "count": "integer",  
    "next": "string|null",  
    "previous": "string|null",  
    "results": [  
        // Result content returned  
    ]  
}
```

### Error Codes

Status Code	Description
400	Bad Request
401	Authentication failed
403	Permission denied

Status Code	Description
404	Resource not found
500	Server error

## Error Response Example

### 400 - Bad Request: Required field missing

```
{  
  "files": ["This field is required."],  
  "filename": ["This field is required."],  
  "file": ["This field is required."]  
}
```