

# 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:

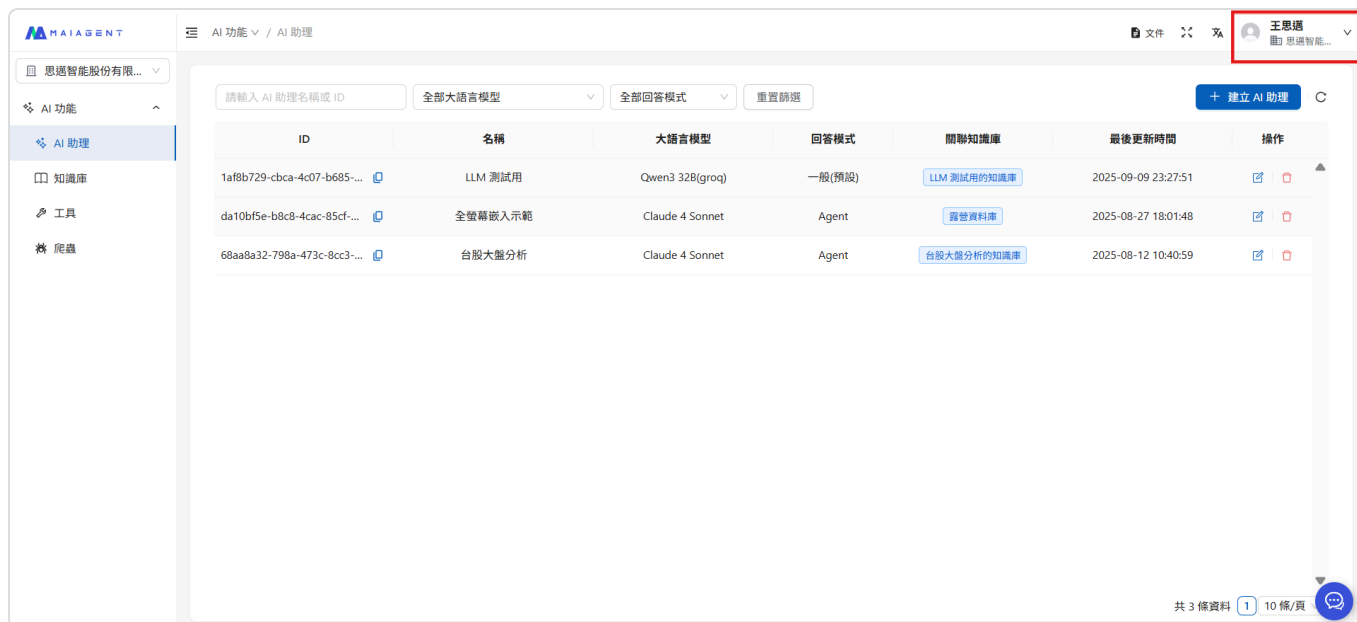
```
const headers = {  
  "Authorization": "Api-Key YOUR_API_KEY_HERE",  
  "Content-Type": "application/json"  
}
```

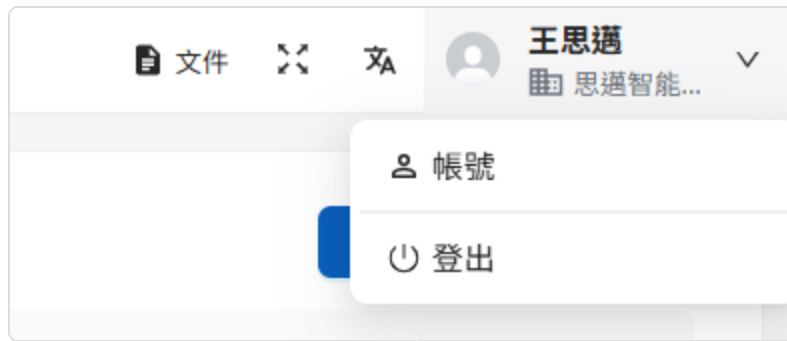
## How to Obtain an API Key?

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.





Switch the page to the API Key page.



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



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

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."]  
}
```