

KNEO 300 Chatbot Guide V1.0

(For Regular User)

Mar, 2024

Revision History:

Doc Version	Description	Firmware Version	Date
1.0	Initial version	V0.14.1	2024/03/11

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Chatbot Usage Guide

1. Apply for web-browser URL

Enter device IP which leads to chatbot service. IP address should contain port 3000, e.g. 10.200.210.181:3000

Enter the login interface.

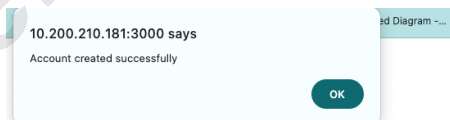
Sign In

Email

Password

Don't have account [Sign Up?](#)

- a. For first time use, please create an account by selecting “Signup”



Sign Up

Username

Email

Password

Confirm Password

Already registered [Sign In?](#)

Sign Up

Username

Email

Password

Confirm Password

Already registered [Sign In?](#)

- b. Sign in by using an existing account or the account just setup from Step A. The process may take up to 30 seconds to be completed.

Note: Do not click the Sign-in button back and forth

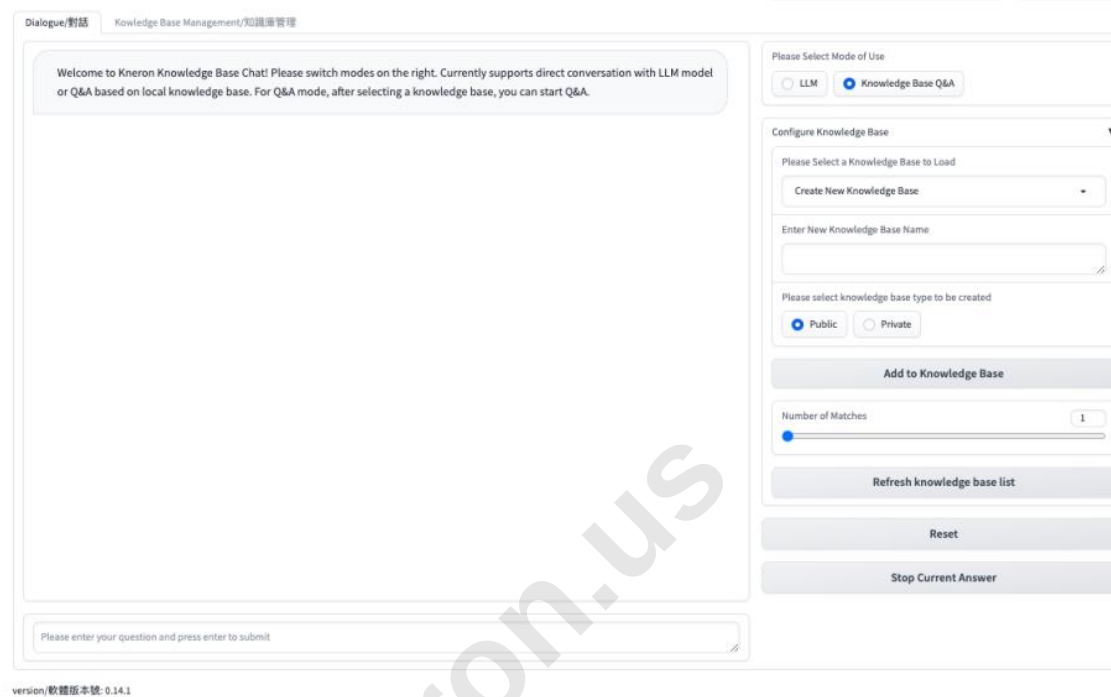
Sign In

Email

Password

Don't have account [Sign Up?](#)

- c. Once the system is ready, the following interface appears.



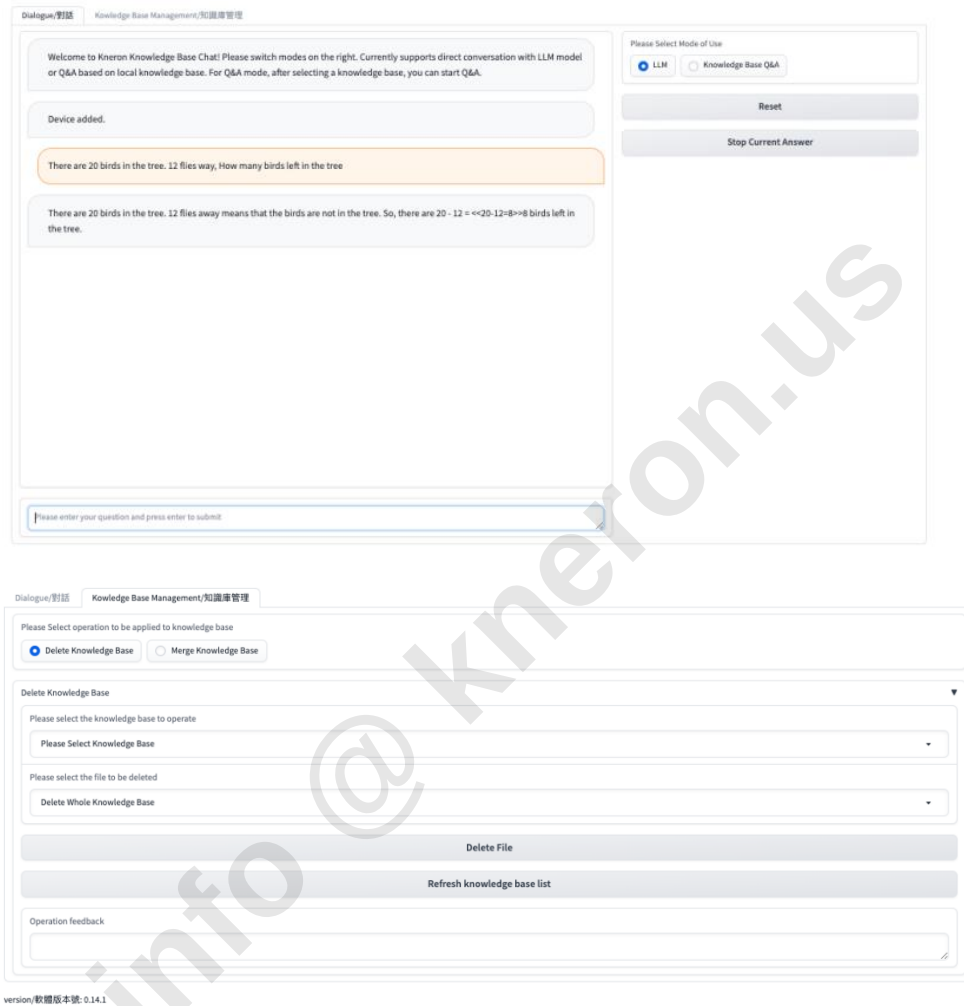
2. WEBUI interface introduction



The left side of WEBUI is main function frame, The Dialogue tab shows page where users can have interactive conversations. The knowledge base management tab page performs knowledge base operations such as deleting and merging existing knowledge bases.

The right side of WEBUI is the frame of chat mode selection. Currently we have launched two modes: free conversation and knowledge base conversation.

2.1 Free conversation mode



Dialogue/對話 Knowledge Base Management/知識庫管理

Welcome to Kneron Knowledge Base Chat! Please switch modes on the right. Currently supports direct conversation with LLM model or Q&A based on local knowledge base. For Q&A mode, after selecting a knowledge base, you can start Q&A.

Device added.

There are 20 birds in the tree. 12 flies away. How many birds left in the tree

There are 20 birds in the tree. 12 flies away means that the birds are not in the tree. So, there are $20 - 12 = 8$ birds left in the tree.

Please enter your question and press enter to submit

Please Select Mode of Use

☒ LLM ☐ Knowledge Base Q&A

Reset

Stop Current Answer

Please Select operation to be applied to knowledge base

☒ Delete Knowledge Base ☐ Merge Knowledge Base

Delete Knowledge Base

Please select the knowledge base to operate

Please Select Knowledge Base

Please select the file to be deleted

Delete Whole Knowledge Base

Delete File

Refresh knowledge base list

Operation feedback

version/軟體版本號: 0.14.1

Click the “LLM” button to switch to free conversation mode. Users can enter questions they want to ask in the chat box.

There are two control buttons in free conversation mode:

“Reset”: reset the dialog box.

“Stop current answer”: stop the current conversation.

2.2 Knowledge base question and answer mode

Click the "Knowledge Base Q&A" to switch to Knowledge base mode, and Users can conduct Q&A

based on the selected knowledge base in this interface. Users can select an existing knowledge base or create new knowledge base.

To select an existing knowledge base by opening “Configure Knowledge Base” frame and choose an interested knowledge base from “Please Select a Knowledge Base to Load” menu.

2.2.1 Create new database

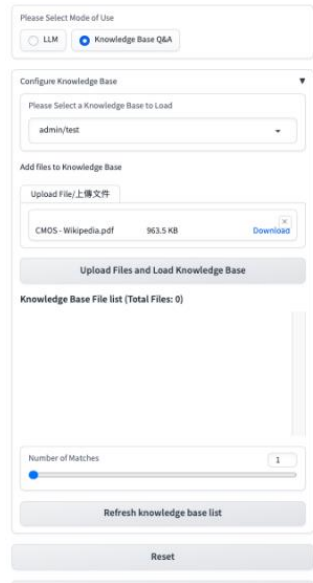
The screenshot shows the 'Configure Knowledge Base' interface. At the top, under 'Please Select Mode of Use', the 'Knowledge Base Q&A' radio button is selected. Below this, the 'Configure Knowledge Base' section contains a dropdown menu 'Please Select a Knowledge Base to Load' with 'Create New Knowledge Base' selected. Underneath is a text input field 'Enter New Knowledge Base Name' with the value 'test'. Below the input field is a button 'Add to Knowledge Base'. Further down is a 'Number of Matches' slider set to 1, followed by a 'Refresh knowledge base list' button. At the bottom of the configuration section are 'Reset' and 'Stop Current Answer' buttons.

1) To name a new knowledge database In Configure Knowledge Base section:

- " Create New Knowledge Base " in " Please Select a Knowledge Base to Load ".
- Enter the name of new knowledge in " Enter New Knowledge Base Name "
- Click the " Add to Knowledge Base " button to complete the creation of the knowledge base.

2) Upload files which are relevant to this knowledge base

- Currently supports documents in docx, pdf, txt, and md formats.
- Drag the files into the " Upload Files " box.



Please Select Mode of Use

☐ LLM ☒ Knowledge Base Q&A

Configure Knowledge Base

Please Select a Knowledge Base to Load

admin/test

Add Files to Knowledge Base

Upload File/上傳文件

CMOS - Wikipedia.pdf 963.5 KB Download

Upload Files and Load Knowledge Base

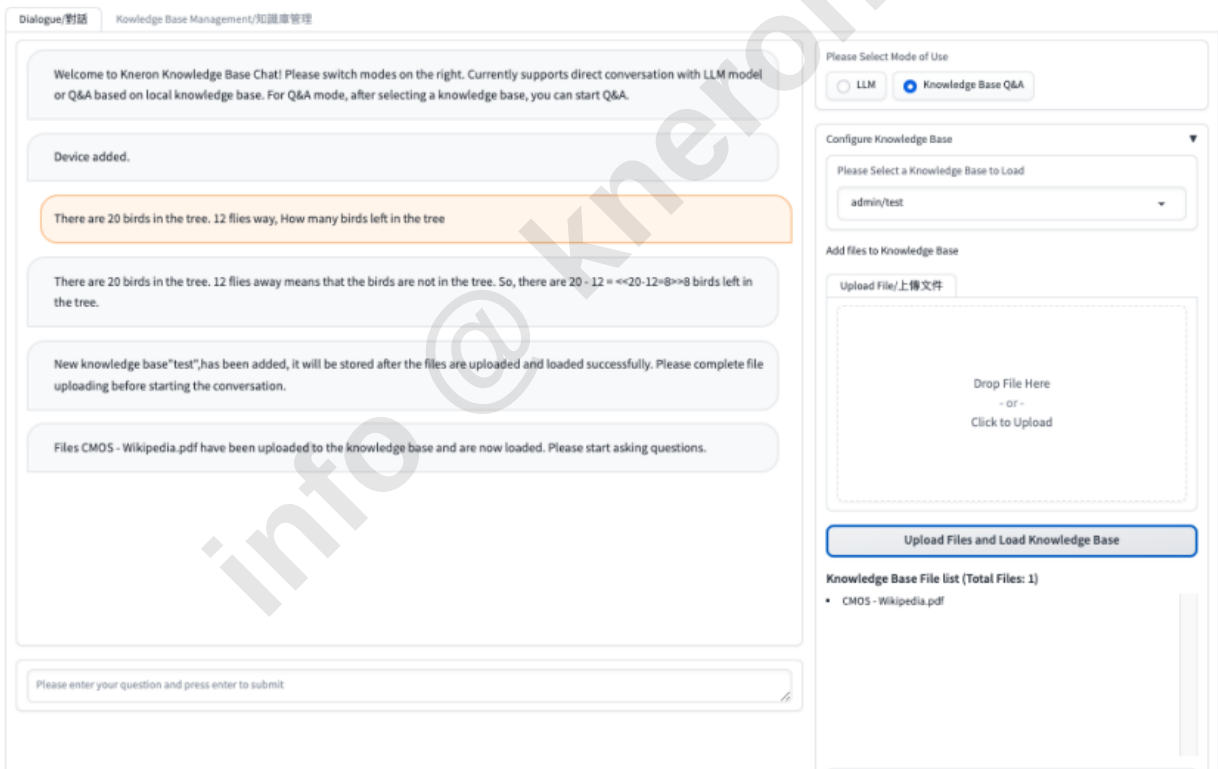
Knowledge Base File list (Total Files: 0)

Number of Matches 1

Refresh knowledge base list

Reset

- c. Click the " Upload File and Load Knowledge Base " button to upload the document.
- d. Once the upload is completed, the name of the uploaded document and the number of documents currently in the knowledge base will be displayed in the " Knowledge Base File List "



Dialogue/對話 Knowledge Base Management/知識庫管理

Welcome to Kneron Knowledge Base Chat! Please switch modes on the right. Currently supports direct conversation with LLM model or Q&A based on local knowledge base. For Q&A mode, after selecting a knowledge base, you can start Q&A.

Device added.

There are 20 birds in the tree. 12 flies way, How many birds left in the tree

There are 20 birds in the tree. 12 flies away means that the birds are not in the tree. So, there are $20 - 12 = 8$ birds left in the tree.

New knowledge base "test" has been added, it will be stored after the files are uploaded and loaded successfully. Please complete file uploading before starting the conversation.

Files CMOS - Wikipedia.pdf have been uploaded to the knowledge base and are now loaded. Please start asking questions.

Please enter your question and press enter to submit

Please Select Mode of Use

☐ LLM ☒ Knowledge Base Q&A

Configure Knowledge Base

Please Select a Knowledge Base to Load

admin/test

Add Files to Knowledge Base

Upload File/上傳文件

Drop File Here
- Or -
Click to Upload

Upload Files and Load Knowledge Base

Knowledge Base File list (Total Files: 1)

- CMOS - Wikipedia.pdf

Hint:

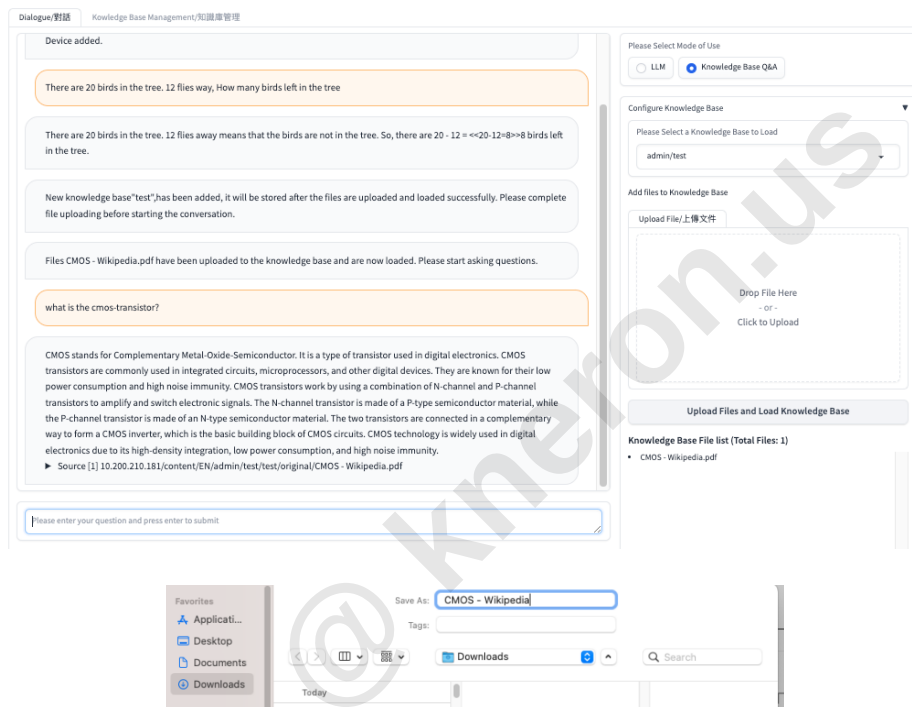
- Please keep the file name specifications in the uploaded file name and do not include special characters, such as (), \$, {}, etc.
- Normally, it takes about 15 seconds to upload a file of size 25kb, just for reference. Upload speed will be affected by file size, type, format and current network environment.

2.2.3 Question and answer based on knowledge base

- On the right side, " Please select the knowledge base to load " select the knowledge base to be based on
- Type your question in the dialog box on the left and click Enter to send the conversation.

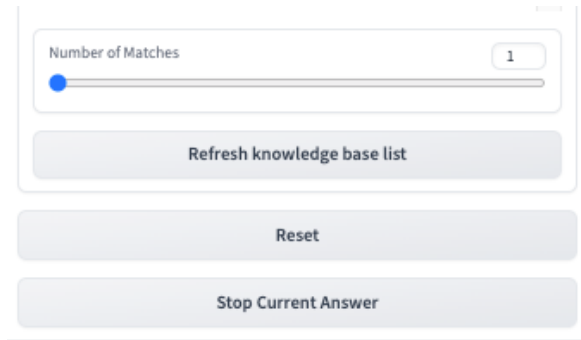
Please enter your question and press enter to submit

2.2.4 Download and view knowledge base files



- In the generated answer, you can view the source information and documents.
- Copy the highlighted part in the picture, open a new tab in the browser, paste the file path, and click Enter to view or download the source content.

2.3 Other function introduction



- "Number of matches": The number of entries found in a given database that are related to or matching the query text. Currently the default is 1
- " Refresh knowledge base list ": Click this button to refresh the directory of the current knowledge base.
- " Reset " Click this button to reset the dialog box.
- Stop current answer: Click this button to interrupt the current conversation.

2.4 Web caching

- usera (regular user) has logged in before , after the device firmware is updated, when logging in with the same interface, due to the existence of web page cache, as shown in the figure below, you need to click the mailbox- >log out->then log in.



Sign In



Sign In form with the following elements:

- Email field: usera@gmail.com
- Password field: [Redacted]
- Sign In button
- Don't have account [Sign Up?](#)

3. Others

If the network you are connected to is a non-public IP, that is, it is used within a local network (such as a home, school, or corporate network) and is used for communication within the internal network (such as printers, smart devices, etc.), These IP addresses are usually automatically assigned by the local network's router. Please follow these steps:

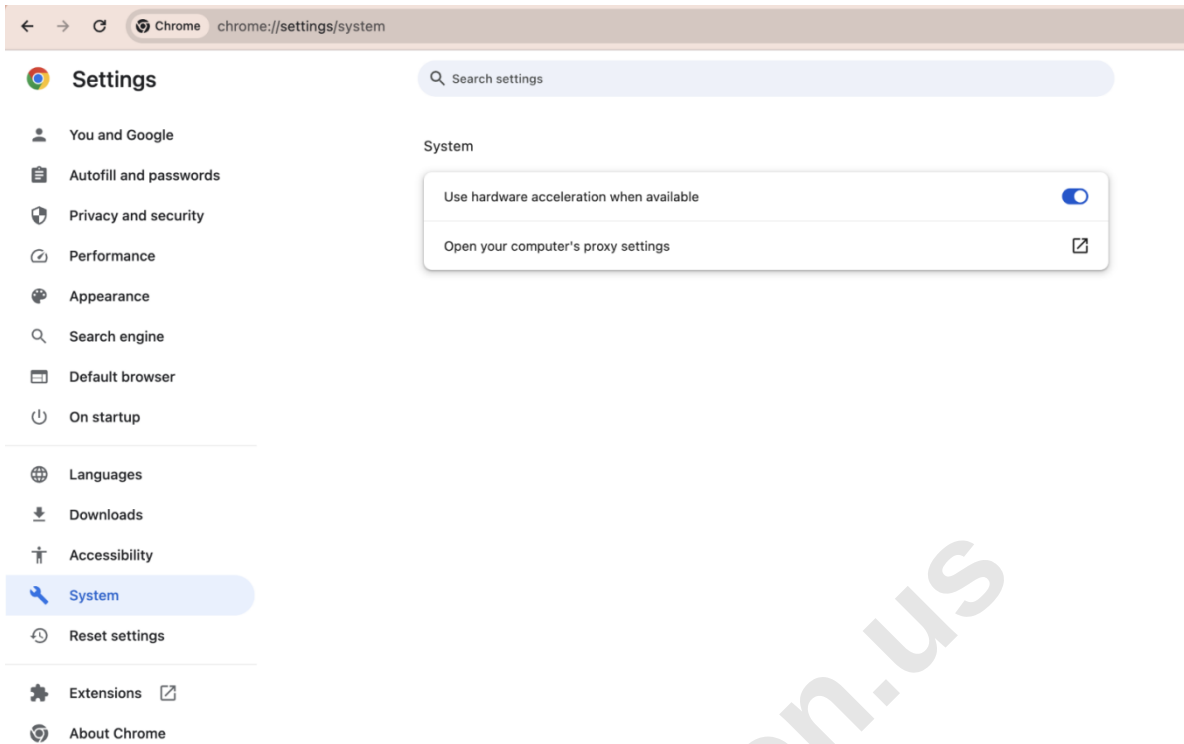
3.1 Enable the machine to automatically start the service on port 3000. On your local computer, please set up a local proxy.

ssh -NfL 127.0.0.1:8080:127.0.0.1:3000 [linaro@192.168.200.102](#) (This is a device ip address example, please change to your actual machine ip address)

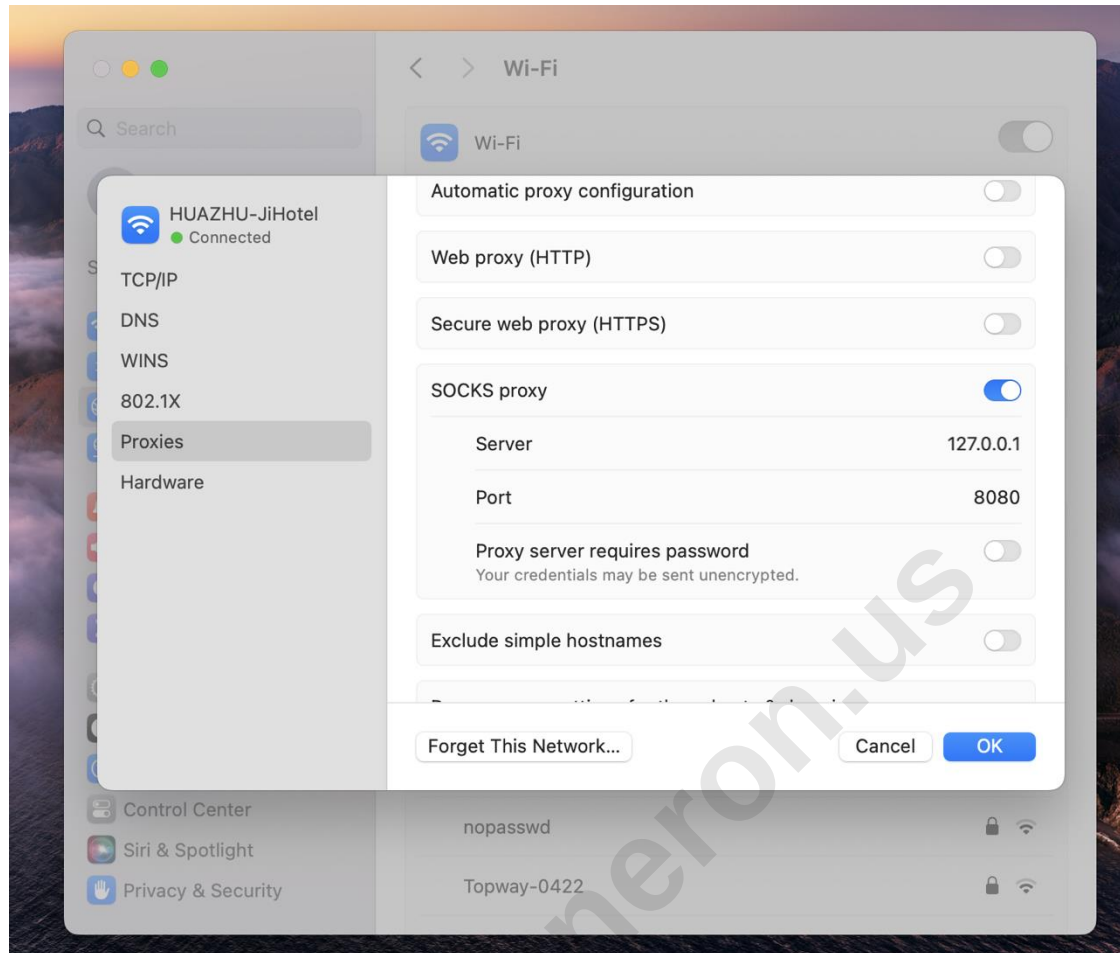
```
linaro@chatrobot:~$ ssh -NfL 127.0.0.1:8080:127.0.0.1:9999 linaro@192.168.10.150
The authenticity of host '192.168.10.150 (192.168.10.150)' can't be established.
ECDSA key fingerprint is SHA256:BJFWAT2tF6MNQJrXY5QSukA7PZ9G16ejqacHf95Tqw.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.10.150' (ECDSA) to the list of known hosts.
linaro@192.168.10.150's password:
```

3.2 Set up the proxy on the local machine, taking chrome as an example.

- a. Go to settings.



3.3 Find the system in the left column, click Open your computer's proxy settings, and then set the SOCKs proxy server (127.0.0.1) and port (8080)



- b. In your local computer browser, enter: <http://localhost:8080/>

