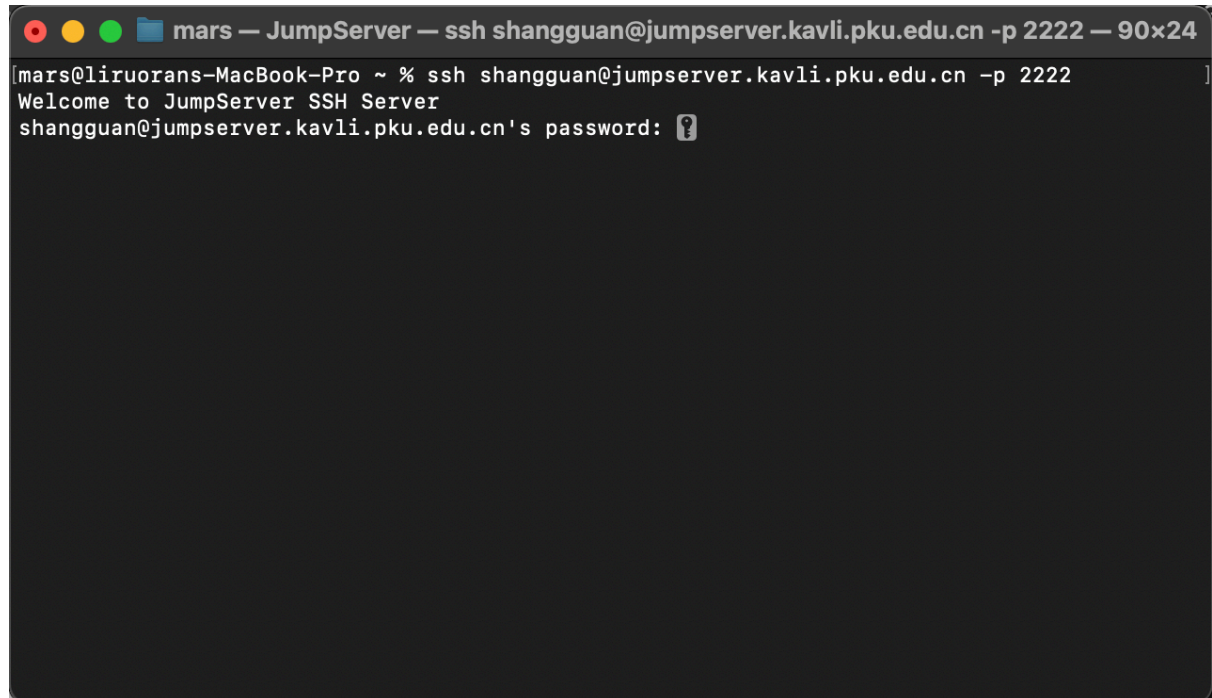


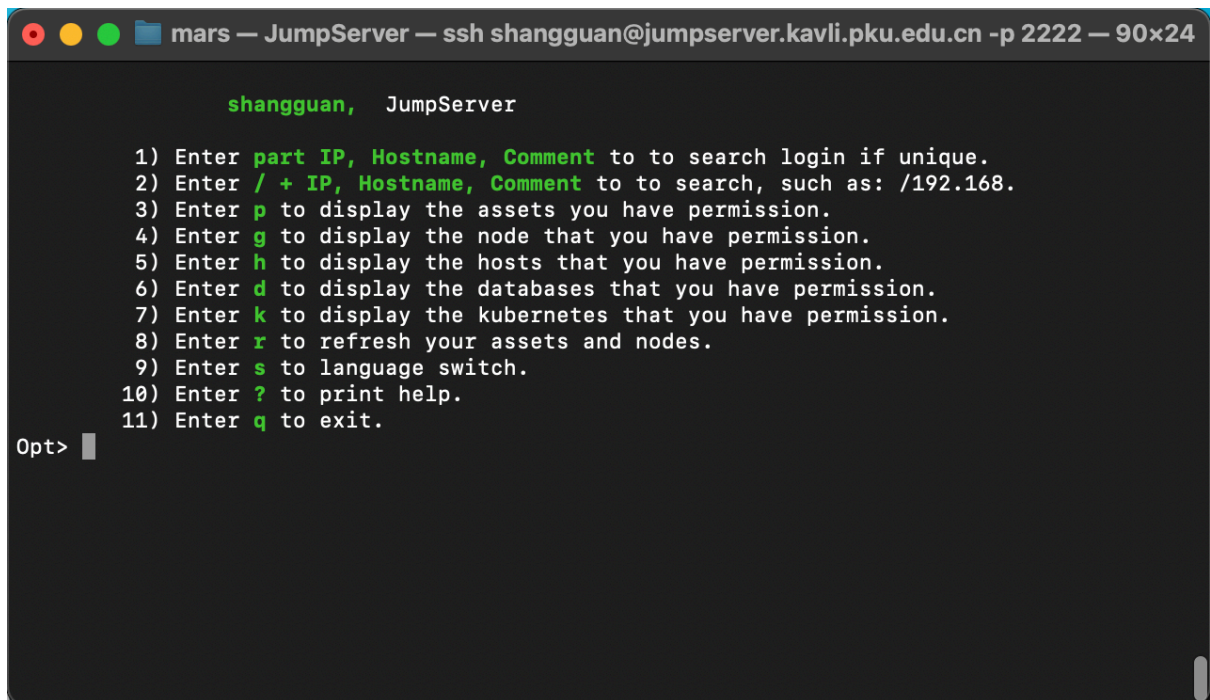
Connect Server with Terminal

1. use below command to connect to JumpServer and enter password of JumpServer

```
ssh <jumpserver-username>@jumpserver.kavli.pku.edu.cn -p 2222
```



2. Select option to display assets (servers)

A terminal window titled 'mars — JumpServer — ssh shangguan@jumpserver.kavli.pku.edu.cn -p 2222 — 90x24'. The prompt is 'shangguan, JumpServer'. A list of 11 numbered options is displayed, each with a green letter indicating the action. The options are: 1) Enter part IP, Hostname, Comment to to search login if unique. 2) Enter / + IP, Hostname, Comment to to search, such as: /192.168. 3) Enter p to display the assets you have permission. 4) Enter g to display the node that you have permission. 5) Enter h to display the hosts that you have permission. 6) Enter d to display the databases that you have permission. 7) Enter k to display the kubernetes that you have permission. 8) Enter r to refresh your assets and nodes. 9) Enter s to language switch. 10) Enter ? to print help. 11) Enter q to exit. The prompt 'Opt>' is shown at the bottom left with a cursor.

```
mars — JumpServer — ssh shangguan@jumpserver.kavli.pku.edu.cn -p 2222 — 90x24

shangguan, JumpServer

1) Enter part IP, Hostname, Comment to to search login if unique.
2) Enter / + IP, Hostname, Comment to to search, such as: /192.168.
3) Enter p to display the assets you have permission.
4) Enter g to display the node that you have permission.
5) Enter h to display the hosts that you have permission.
6) Enter d to display the databases that you have permission.
7) Enter k to display the kubernetes that you have permission.
8) Enter r to refresh your assets and nodes.
9) Enter s to language switch.
10) Enter ? to print help.
11) Enter q to exit.

Opt> 
```

3. Enter **p** to display all assets

```
mars — JumpServer — ssh shangguan@jumpserver.kavli.pku.edu.cn -p 2222 — 90x24
```

ID	NAME	ADDRESS	PLATFORM	ORGANIZATION	COMMENT
1	162.105.156.194	162.105.156.194	Linux	DEFAULT	
2	162.105.156.218	162.105.156.218	Linux	DEFAULT	
3	162.105.156.227	162.105.156.227	Linux	DEFAULT	
4	162.105.156.87	162.105.156.87	Linux	DEFAULT	
5	CSST-1	162.105.156.9	Linux	DEFAULT	
6	CSST-2-GPU	162.105.156.169	Linux	DEFAULT	

```
Page: 1, Count: 16, Total Page: 1, Total Count: 6
Enter ID number directly login, multiple search use // + field, such as: //16 Page up: b P
age down: n
Search:
[Host]> █
```

4. Enter ID to select server to connect, will automatically use same username

```
mars — shangguan@ubuntu: ~ — ssh shangguan@jumpserver.kavli.pku.edu.cn -p 22...
```

```
IPv4 address for enp194s0f3: 162.105.156.169
IPv6 address for enp194s0f3: 2001:da8:201:1156:1a9b:a5ff:fe84:c27d
IPv4 address for tailscale0: 100.96.144.94
IPv6 address for tailscale0: fd7a:115c:a1e0::3d34:905e

Expanded Security Maintenance for Applications is not enabled.

314 updates can be applied immediately.
215 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

9 additional security updates can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

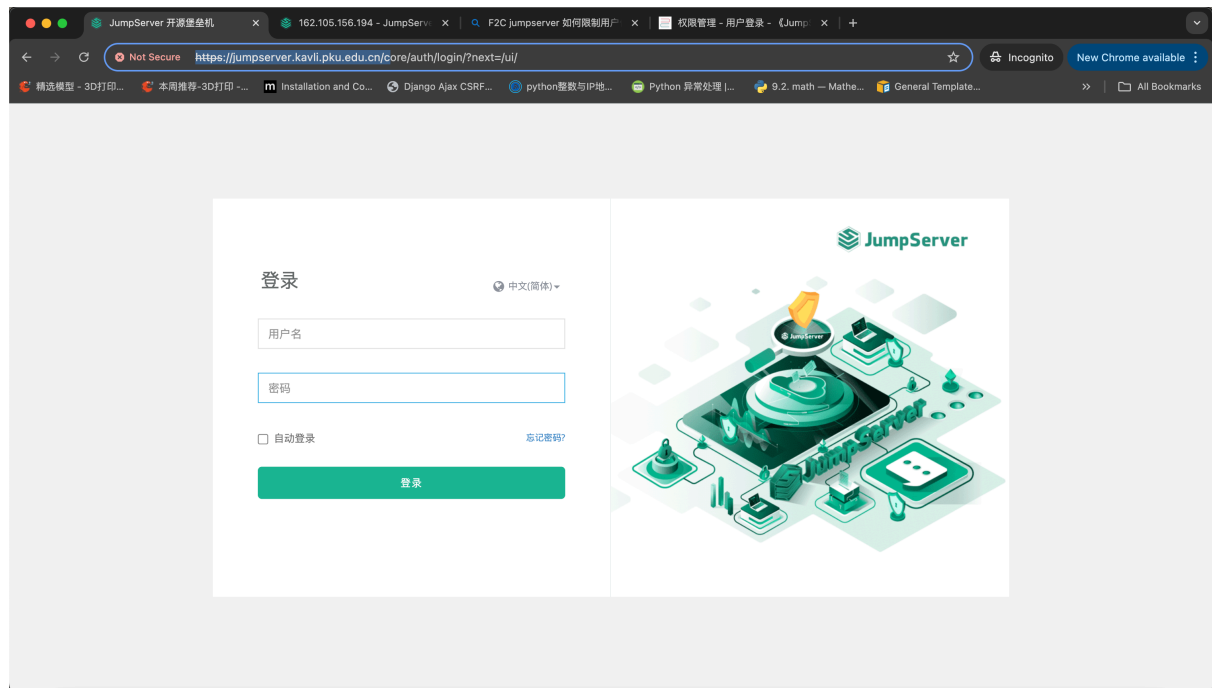
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet c
onnection or proxy settings

Last login: Wed Dec 17 23:25:28 2025 from 162.105.156.9
shangguan@ubuntu:~$ █
```

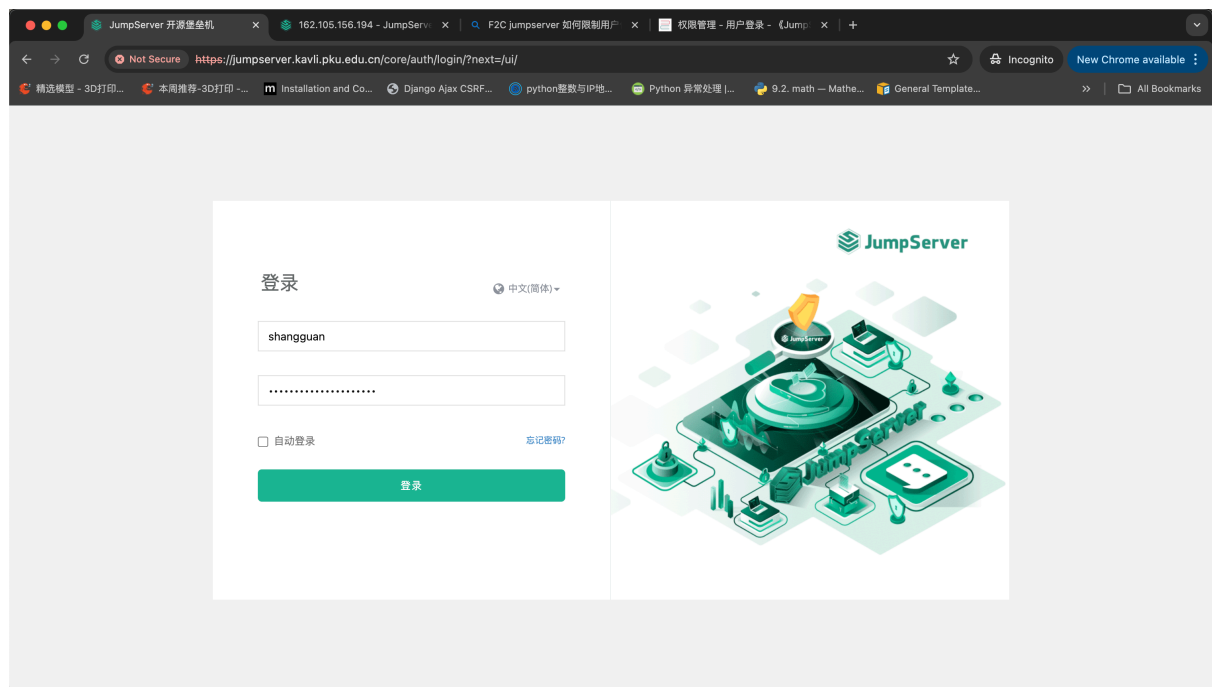
Connect Server with GUI

1. Use modern browser (Chrome/Safari/Firefox) open below URL:

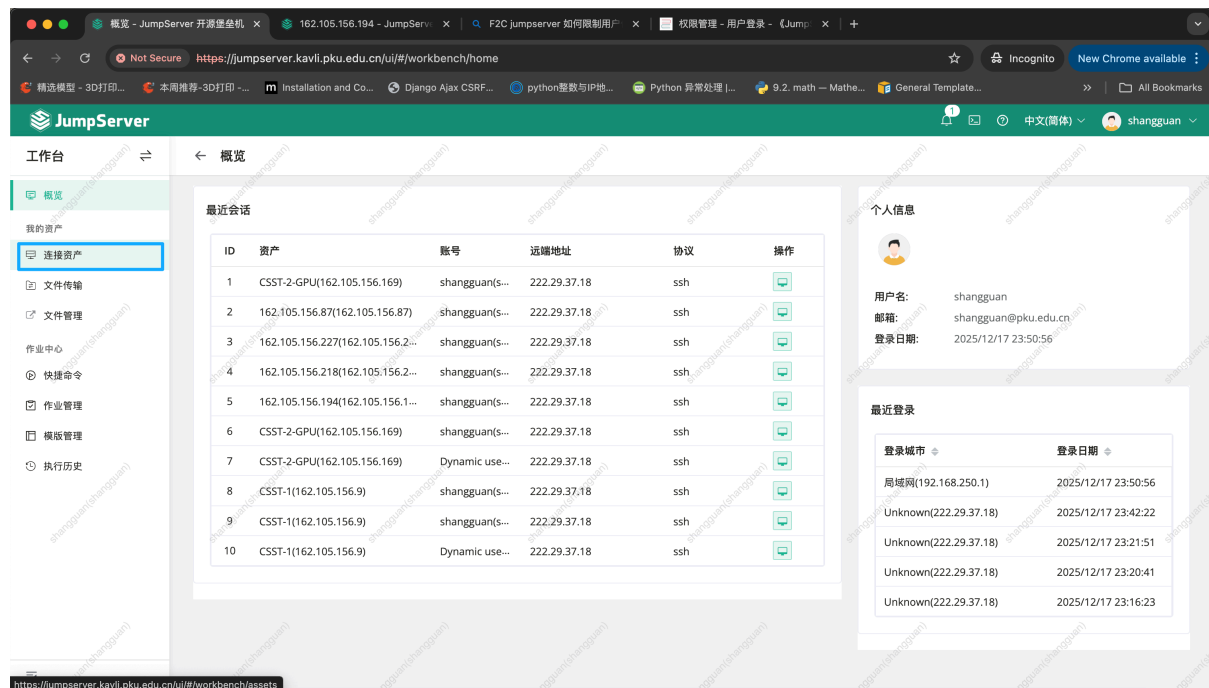
<https://jumpserver.kavli.pku.edu.cn/>



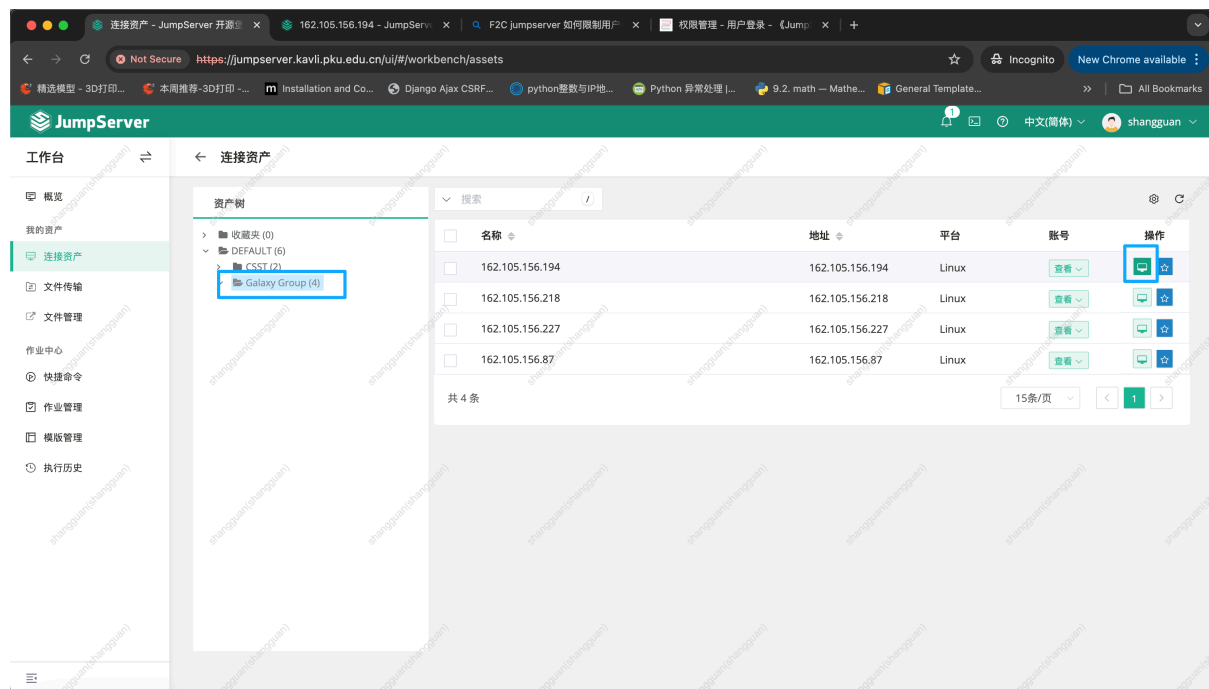
2. Login to Jump Server with username and password



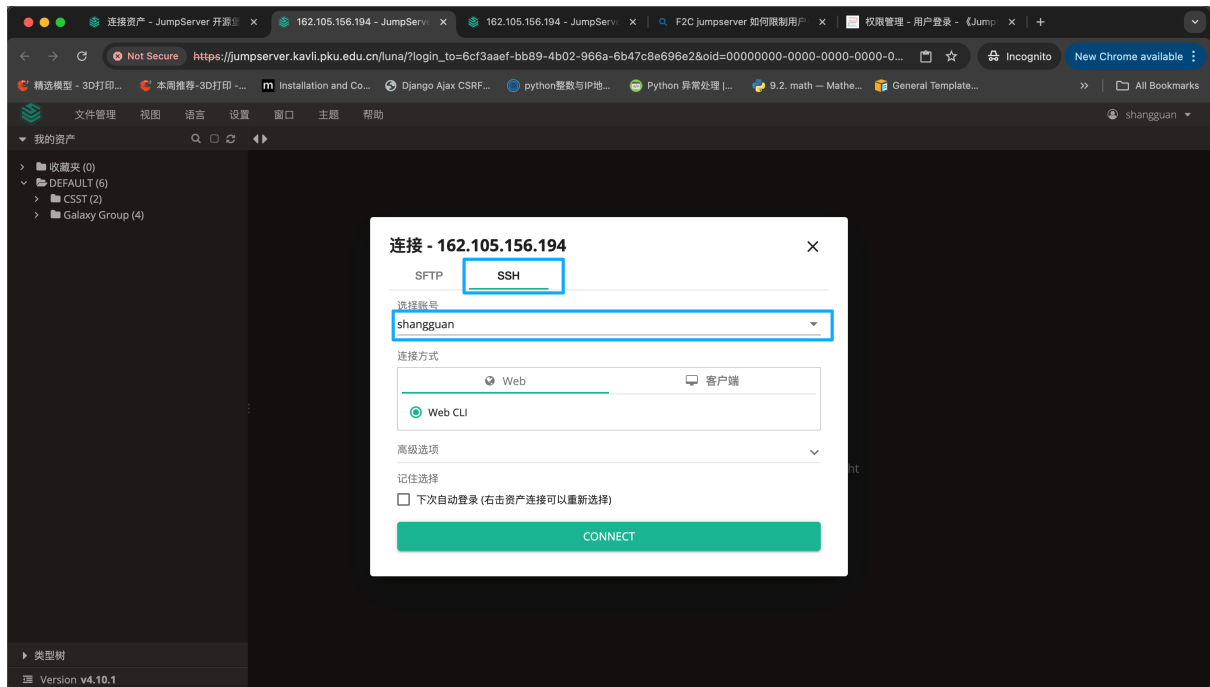
3. Navigate to Assets



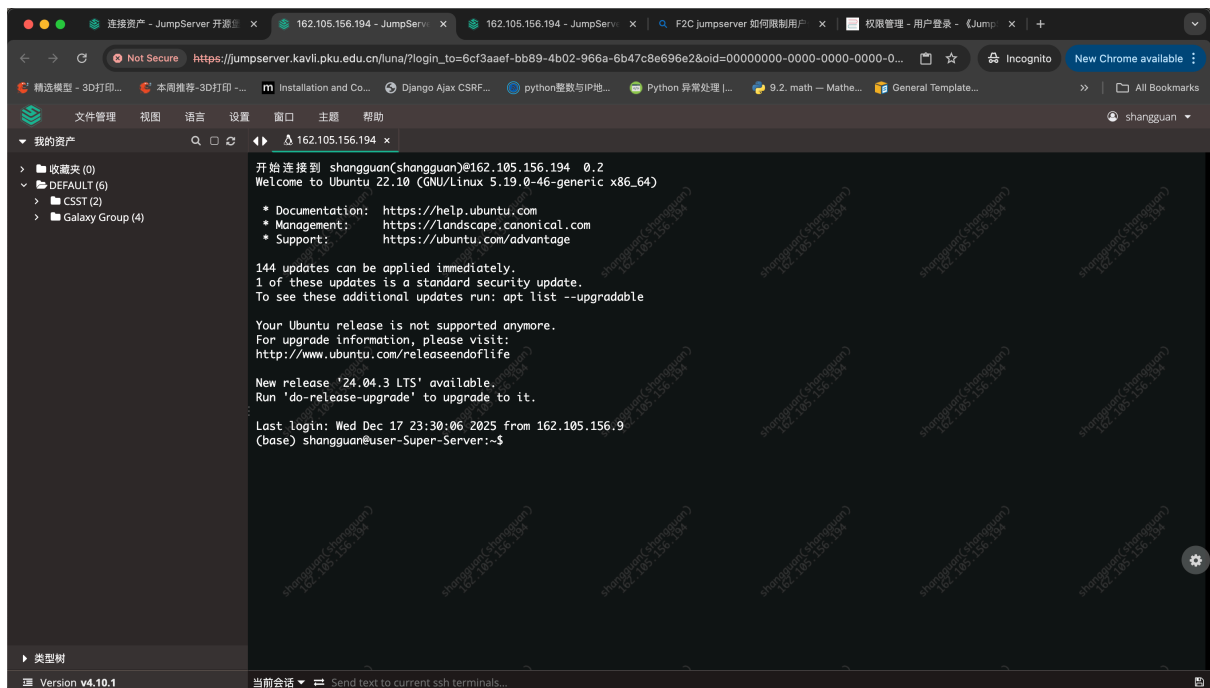
4. Choose Asset to Connect



5. Choose SSH, if you want to upload or download files choose SFTP



6. Connected to Server



Connect Server with VS Code

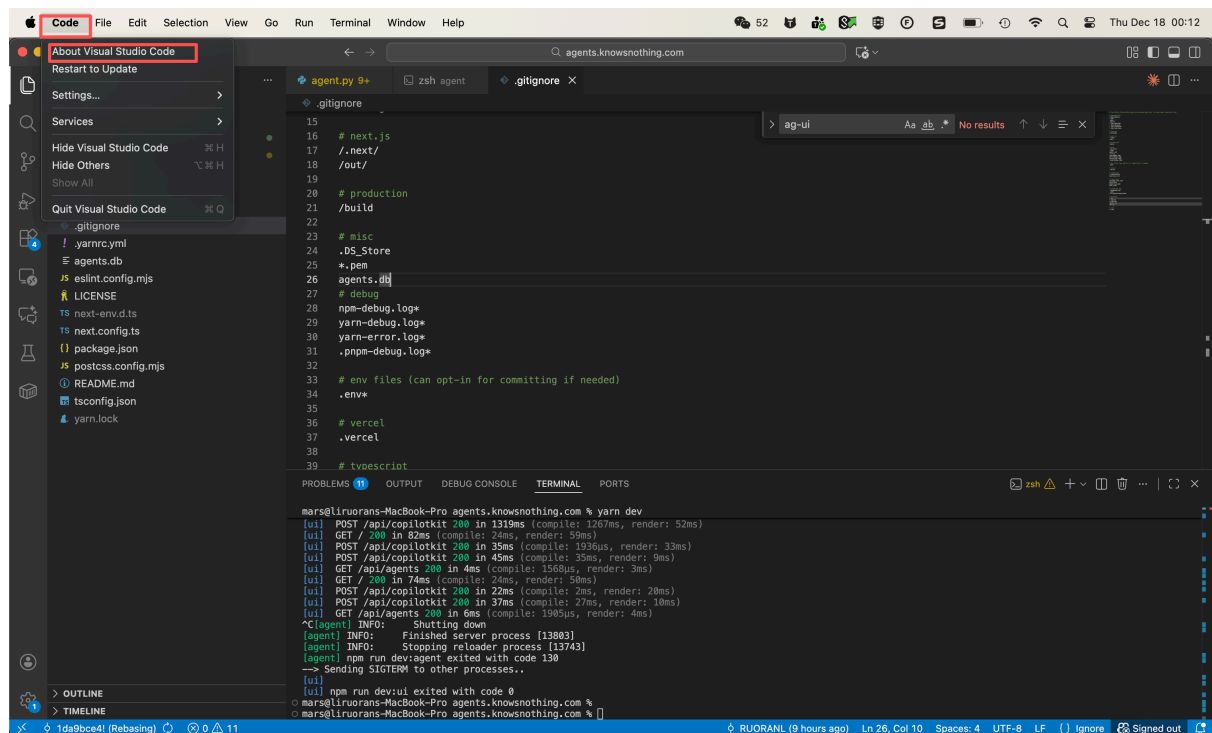
1. Find your VS Code Commit ID (important)

Windows/Linux: 点击菜单栏的 Help (帮助) -> About (关于)。

macOS: 点击菜单栏的 Code -> About Visual Studio Code (关于 Visual Studio Code)。

在弹出的窗口中，找到 **Commit** 这一行，复制那一串 40 位的字母数字组合（例如：89de5a8d4d6205e58a143d9ac7be688d90da224d）。

MacOS





Visual Studio Code

Version: 1.106.3 (Universal)

Commit:

bf9252a2fb45be6893d-
d8870c0bf37e2e1766d61

Date: 2025-11-25 12:28:18.024Z (3
wks ago)

Electron: 37.7.0

ElectronBuildId: 12781156

Chromium: 138.0.7204.251

Node.js: 22.20.0

V8: 13.8.258.32-electron.0

OS: Darwin arm64 23.5.0

OK

Copy

Windows/Linux
TBD

2. Build a download link

Format

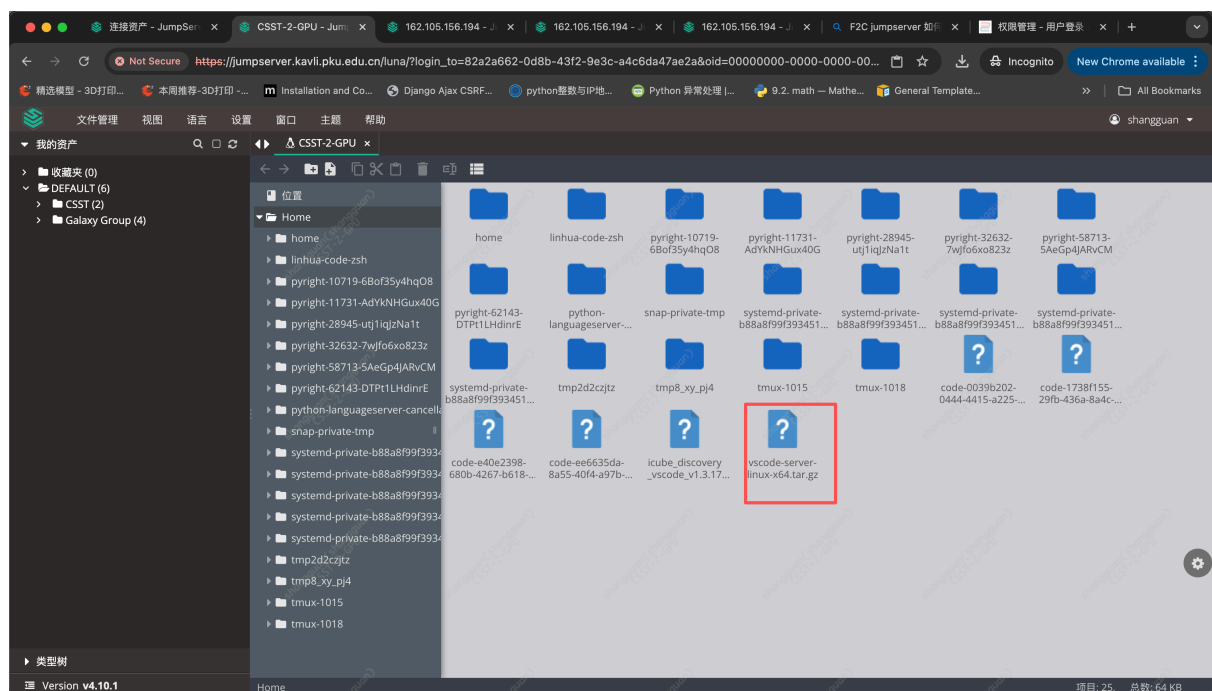
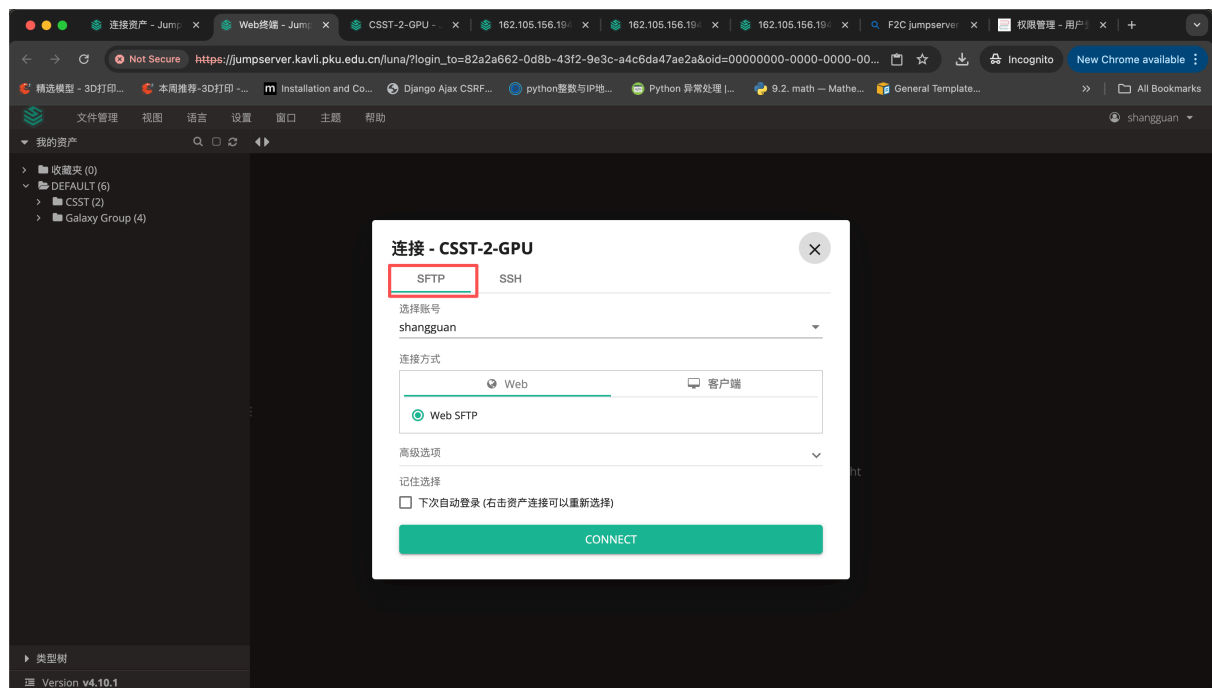
https://update.code.visualstudio.com/commit:{COMMIT_ID}/server-linux-x64/stable

For example

<https://update.code.visualstudio.com/commit:618725e67565b290ba4da6fe2d29f8fa1d4e3622/server-linux-x64/stable>

3. Download the offline installer package

4. Upload to target server with SFTP



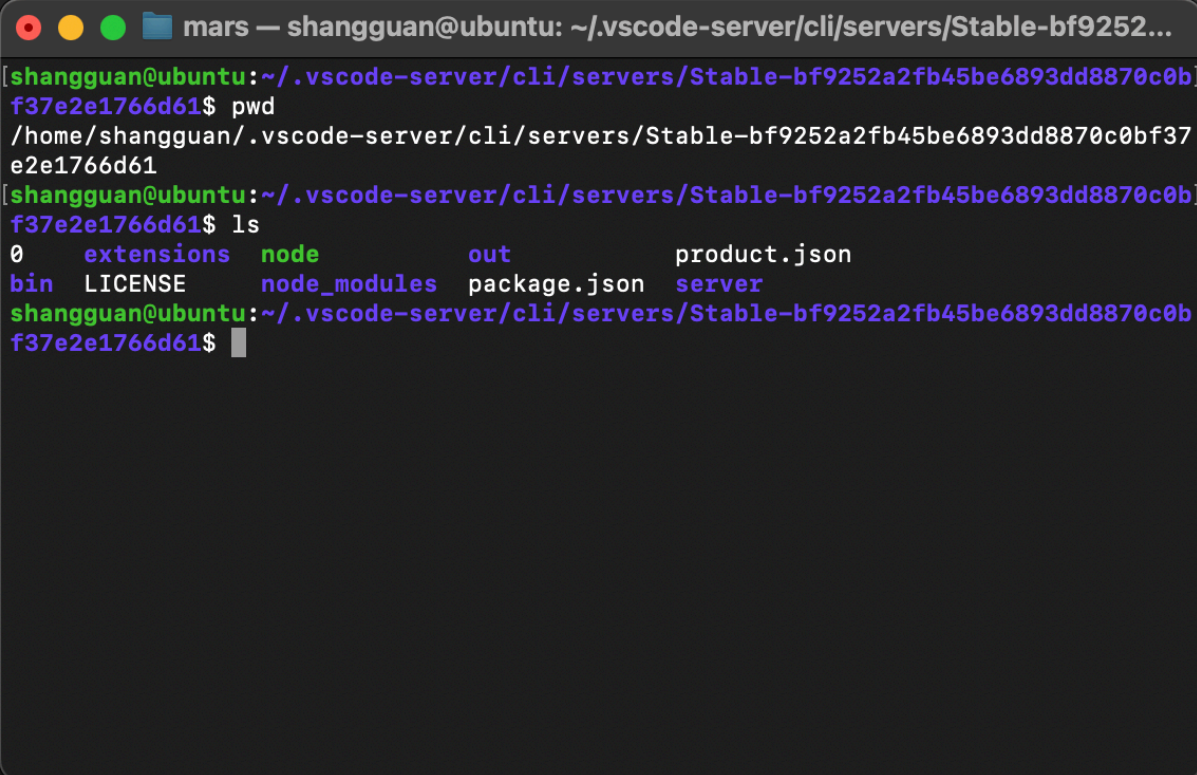
5. Create vs-code-server folder structure

Format

```
mkdir -p ~/.vscode-server/cli/servers/Stable-{COMMIT_ID}/server
```

Example

```
mkdir -p ~/.vscode-server/cli/servers/Stable-618725e67565b290ba4da6fe2d29f8fa1d4e3622/server
```

A terminal window titled 'mars — shangguan@ubuntu: ~/.vscode-server/cli/servers/Stable-bf9252...' shows the following commands and output:

```
[shangguan@ubuntu:~/.vscode-server/cli/servers/Stable-bf9252a2fb45be6893dd8870c0bf37e2e1766d61$ pwd
/home/shangguan/.vscode-server/cli/servers/Stable-bf9252a2fb45be6893dd8870c0bf37e2e1766d61
[shangguan@ubuntu:~/.vscode-server/cli/servers/Stable-bf9252a2fb45be6893dd8870c0bf37e2e1766d61$ ls
0      extensions  node      out      product.json
bin    LICENSE      node_modules  package.json  server
shangguan@ubuntu:~/.vscode-server/cli/servers/Stable-bf9252a2fb45be6893dd8870c0bf37e2e1766d61$
```

6. Extract package into vs-code-server folder

```
cd ~/.vscode-server/cli/servers/Stable-618725e67565b290ba4da6fe2d29f8fa1d4e3622/server
tar -xvzf /tmp/vscode-server-linux-x64.tar.gz --strip-components 1
```

7. Download Binary File

<https://code.visualstudio.com/sha/download?build=stable&os=cli-alpine-x64>

8. Extract Binary File to vs-code-server folder

```
cd ~/.vscode-server
tar -xvzf /tmp/vscode_cli_alpine_x64_cli.tar.gz
mv code-{COMMIT-ID}
```

9. Final Folder Structure

~/.vscode-server/

```
├── code-618725e67565b290ba4da6fe2d29f8fa1d4e3622
├── cli/
│   └── servers/
│       └── Stable-618725e67565b290ba4da6fe2d29f8fa1d4e3622/
│           └── server/
│               ├── bin/
│               ├── package.json
│               └── ...
```

10. Connect Server with Remote SSH in VS Code

