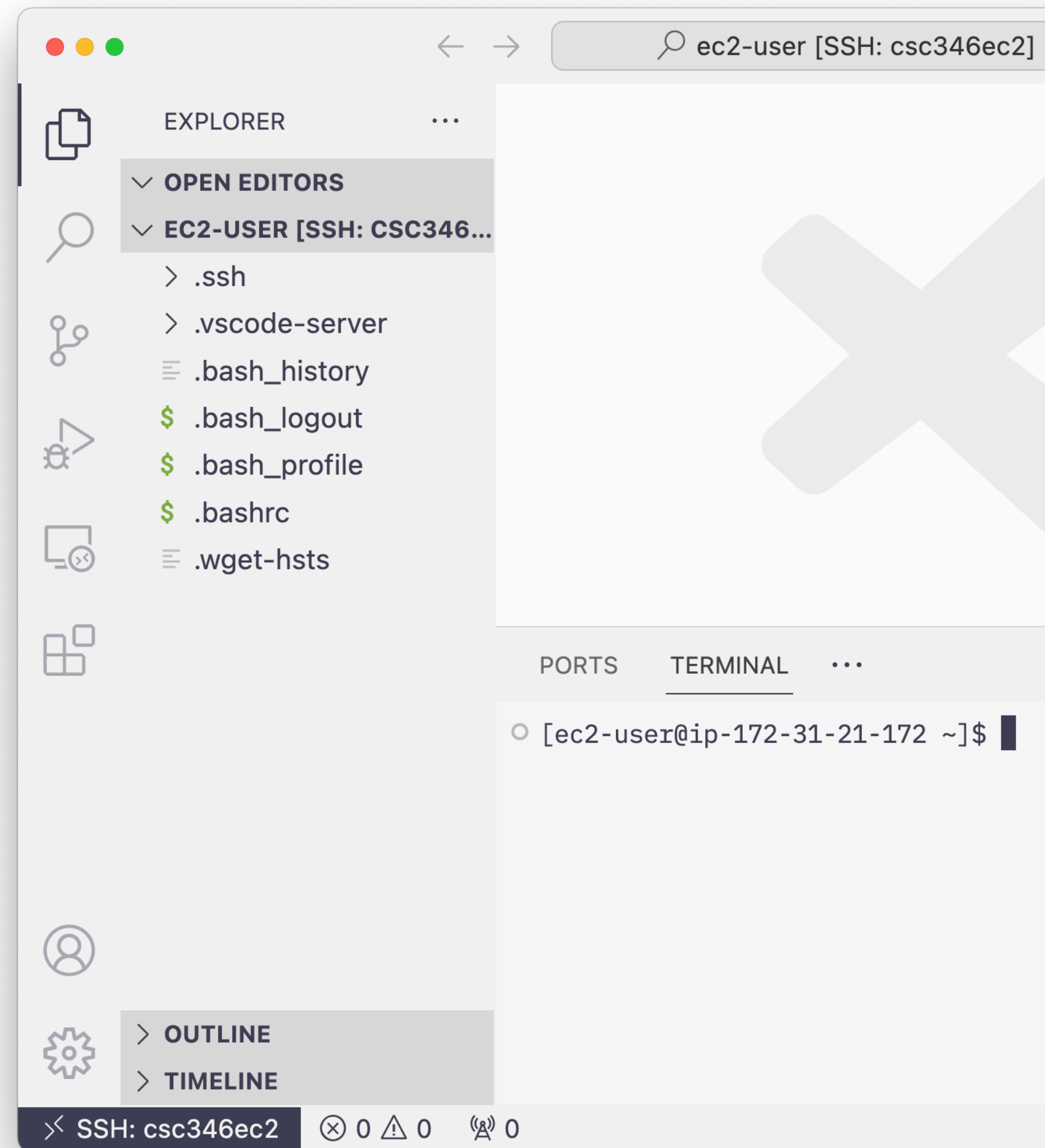


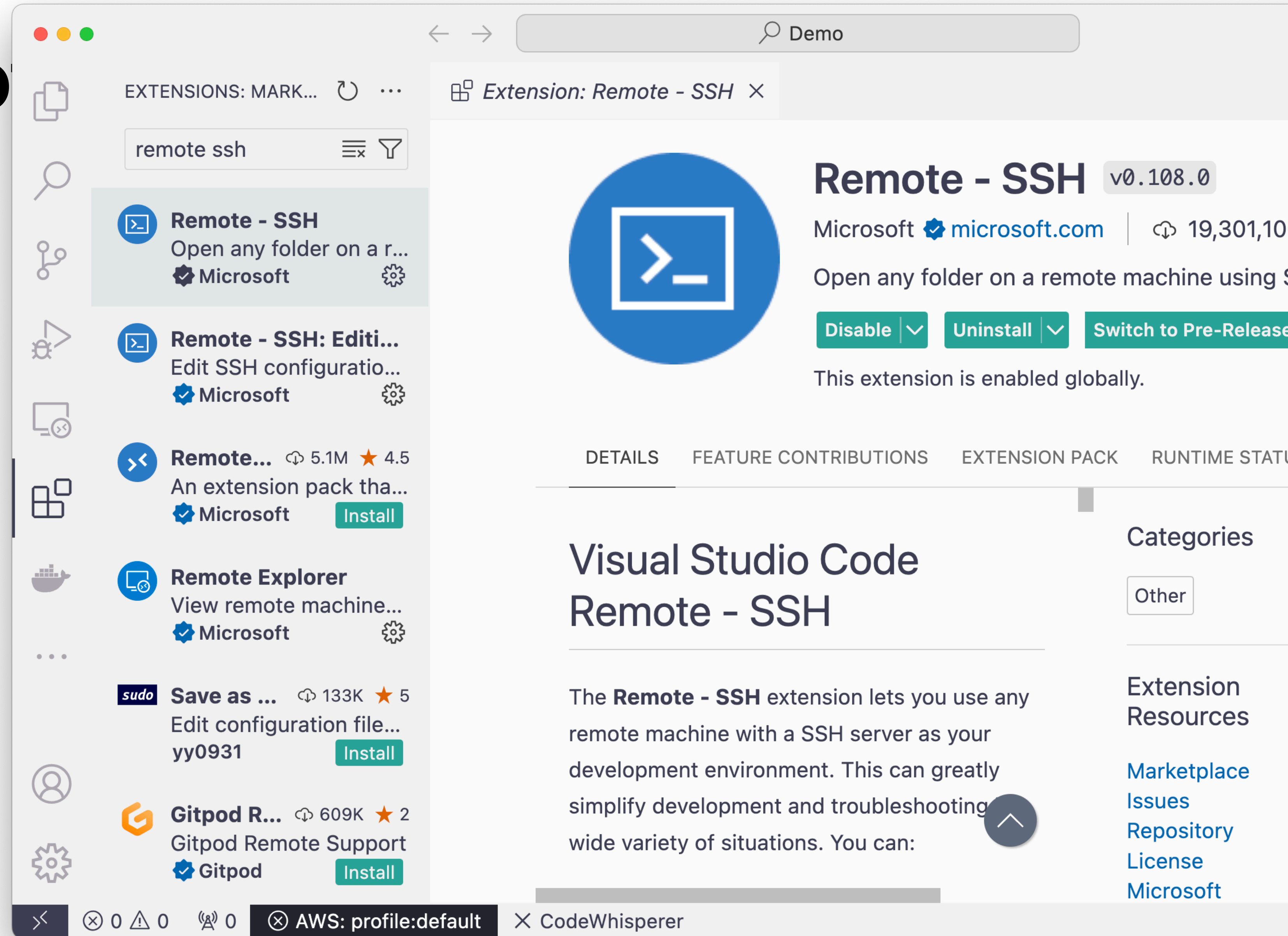
VS Code Remote SSH

- VS Code Remote SSH extension allows direct connections to remote hosts securely using SSH



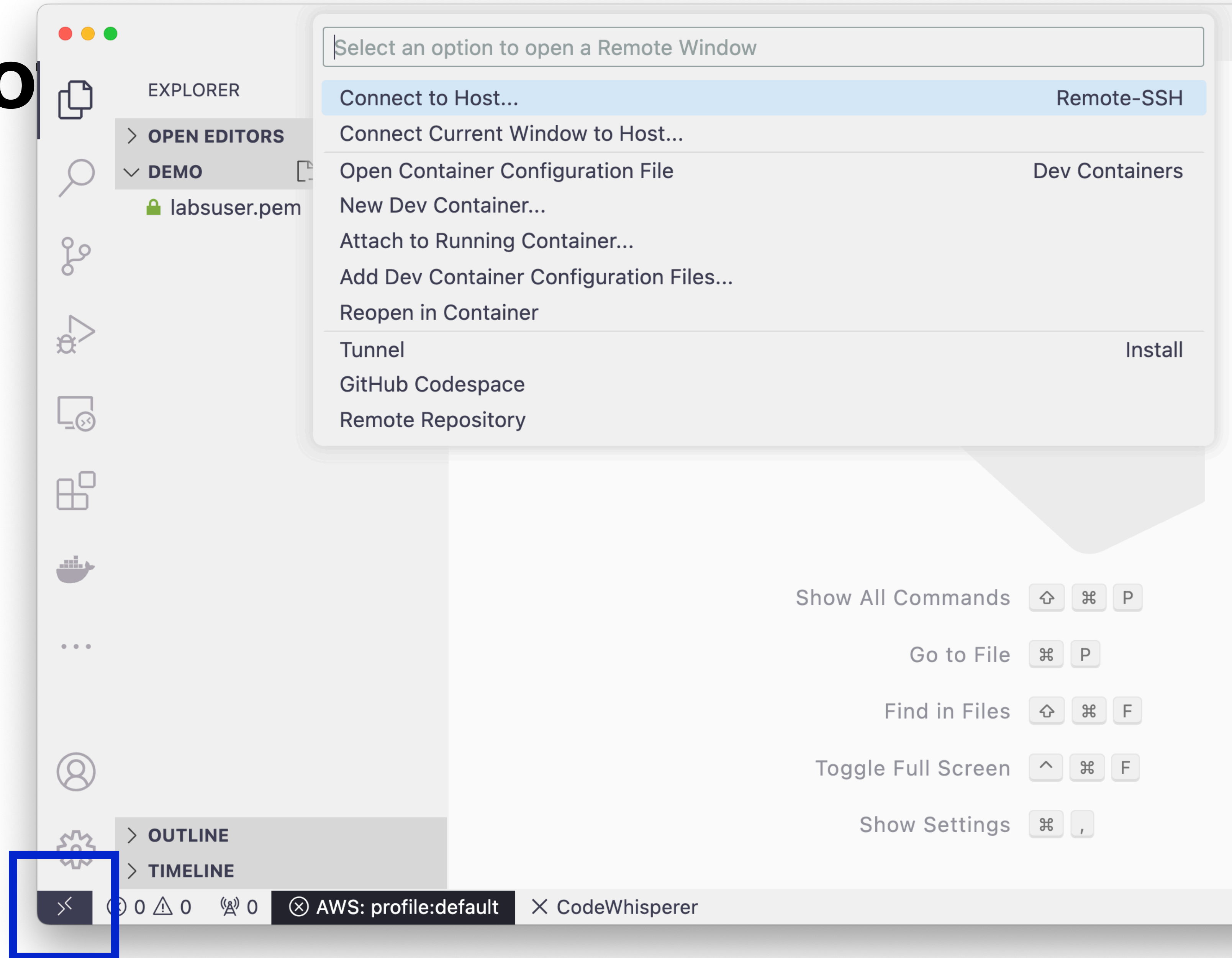
VS Code Remo

- Search Extensions for Remote SSH by Microsoft
- Install
- May have to restart VS Code after installing



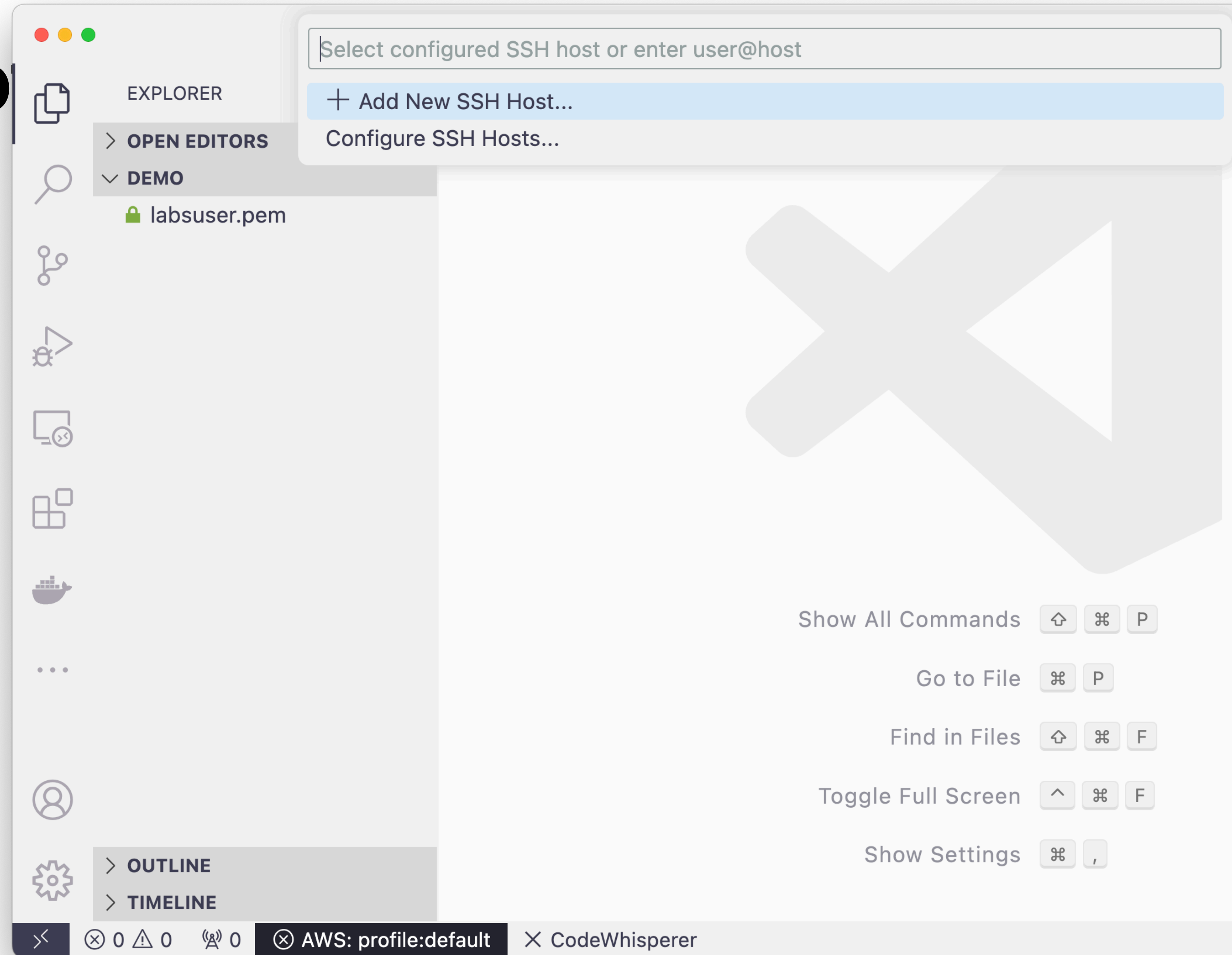
VS Code Remo

- Click on the funky little >< icon in the lower left of a window
- This opens the Connect to Host... menu
- Click on "Connect to Host..."



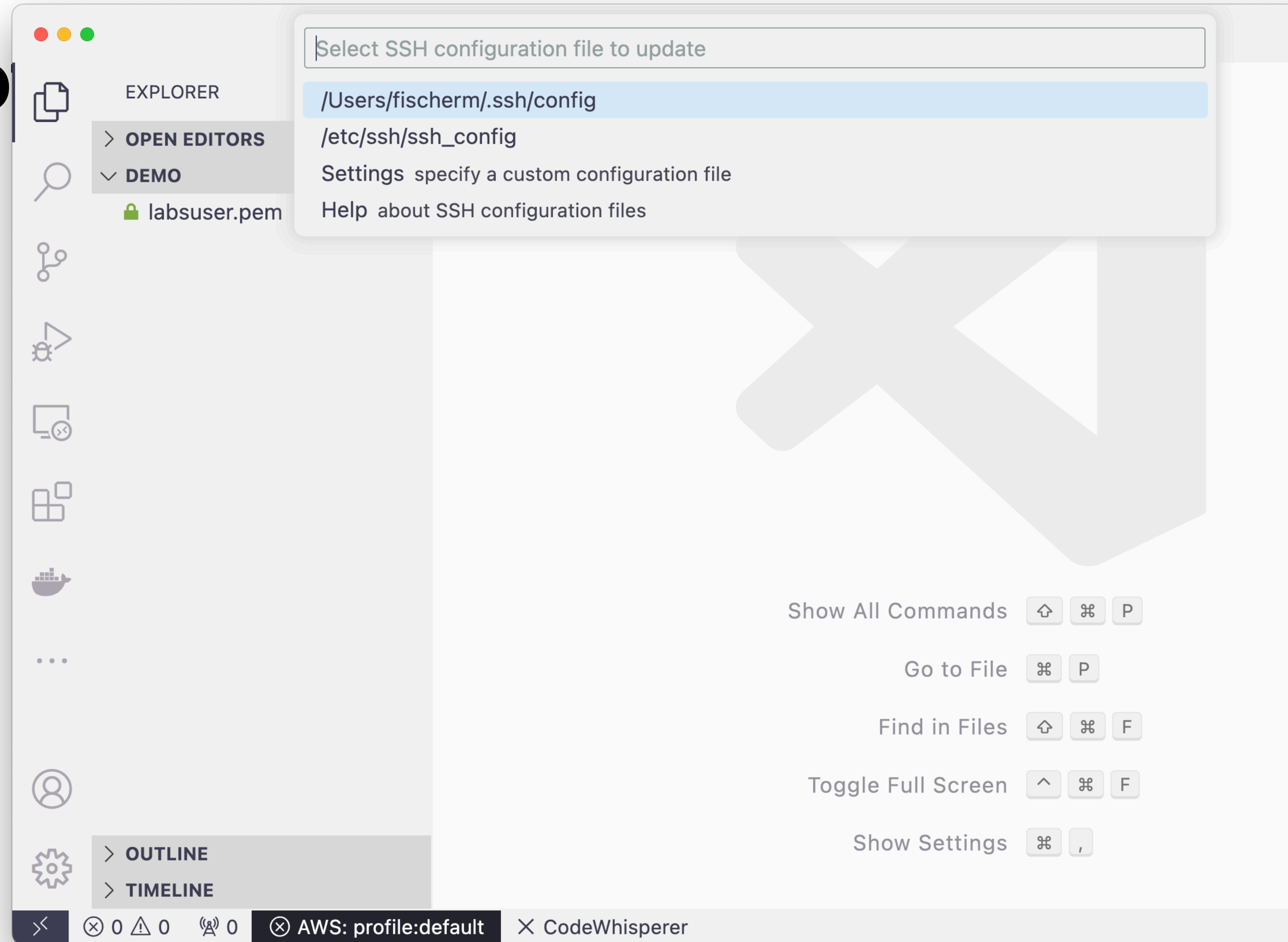
VS Code Remo

- The first time you likely won't have any SSH configuration
- Click on "+ Add New SSH Host..."



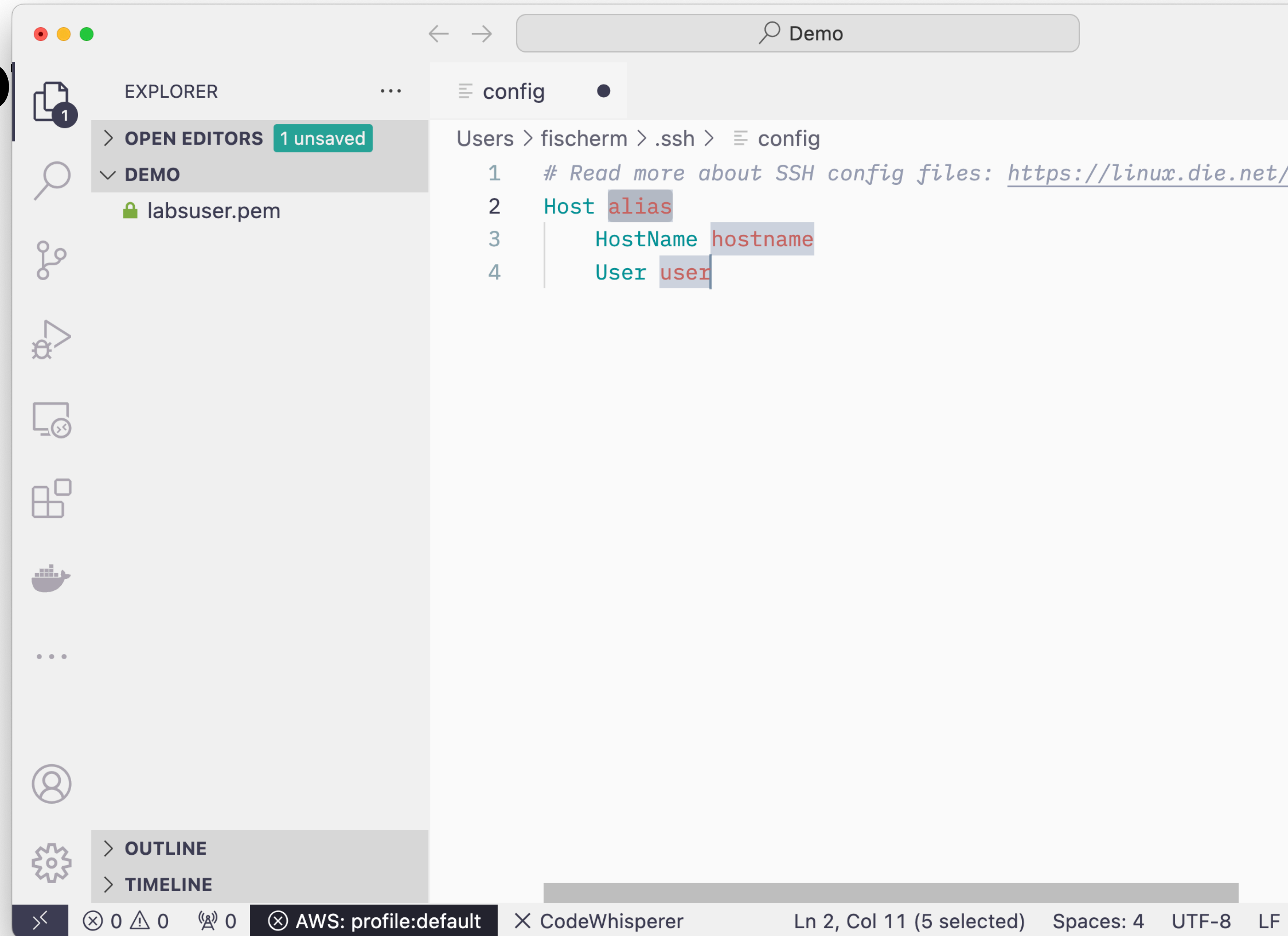
VS Code Remo

- Click on the first file path in the list
- It should be a config file inside your user's home directory



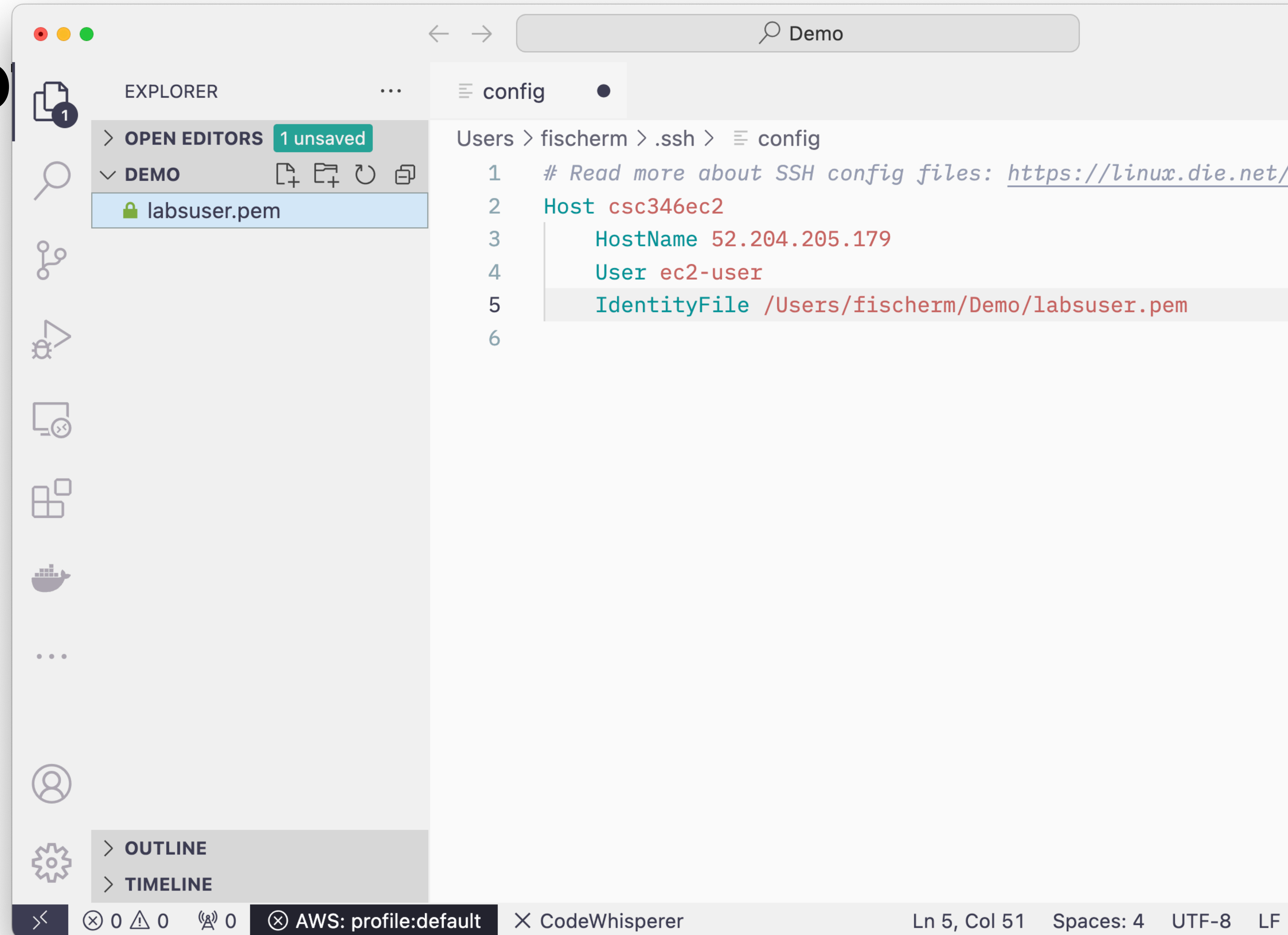
VS Code Remo

- This will open a config file you can add remote SSH configuration to
- We'll replace the "alias", "hostname" and "user" with ones for our EC2 host



VS Code Remo

- We'll replace the "alias", "hostname" and "user" with ones for our EC2 host
- We need to add one more config option, pointing to our private key file for the labs environment
- Add "IdentityFile"



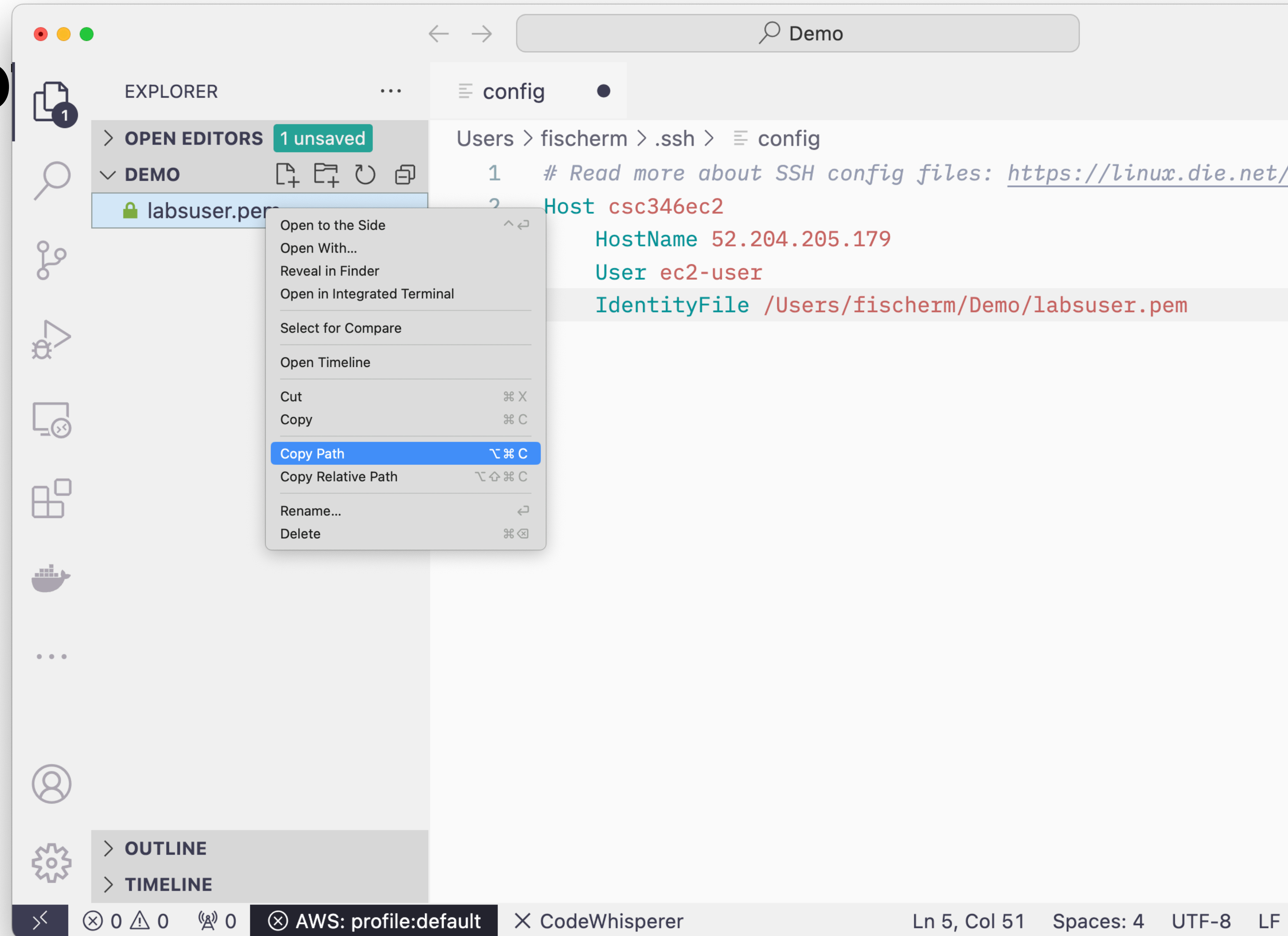
The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left shows a project named 'DEMO' with a file 'labsuser.pem' selected. The main editor area displays an SSH configuration file named 'config'. The file content is as follows:

```
Users > fischer > .ssh > config
1  # Read more about SSH config files: https://linux.die.net/
2  Host csc346ec2
3      HostName 52.204.205.179
4      User ec2-user
5      IdentityFile /Users/fischer/Demo/labsuser.pem
6
```

The status bar at the bottom indicates the current profile is 'AWS: profile:default' and the cursor is at line 5, column 51.

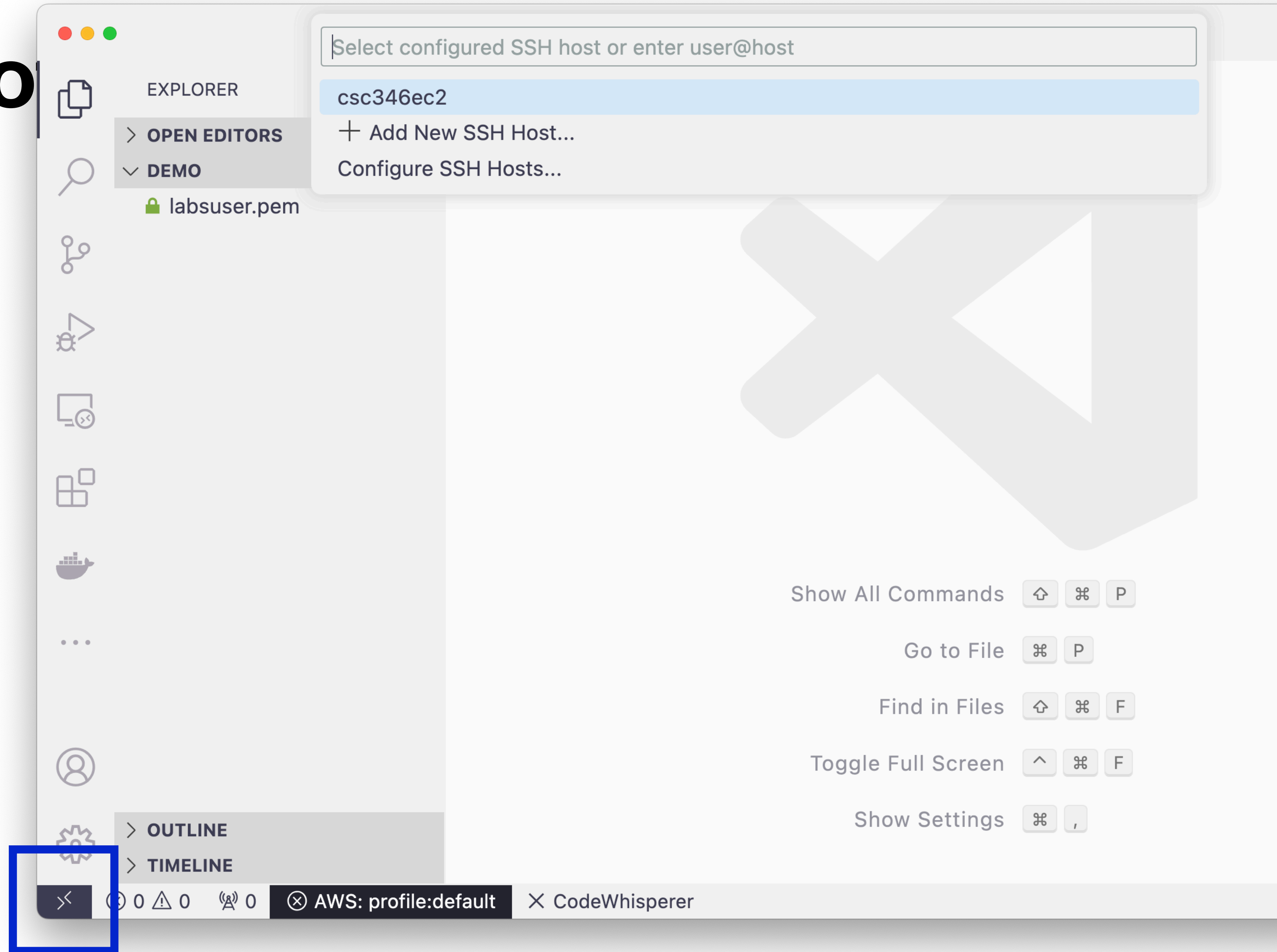
VS Code Remo

- To get the path to the private key file, right-click on the file and choose “Copy Path” from the popup
- Use the full path and not the Relative Path
- Save!



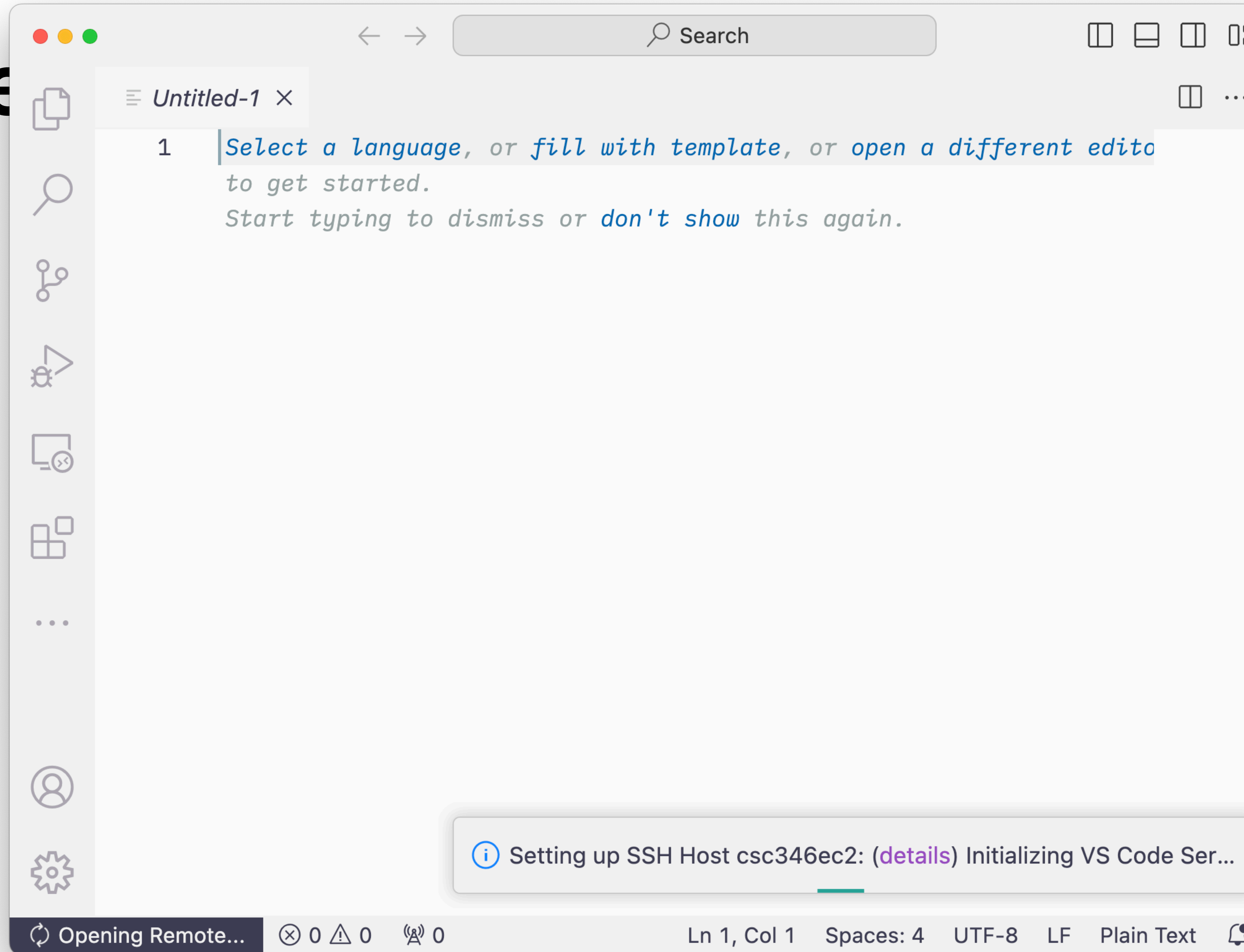
VS Code Remo

- Click on the >< Remote Connection footer, and “Connect to Host...” again
- This time our new SSH Host Config will show up in the popup
- Click on it



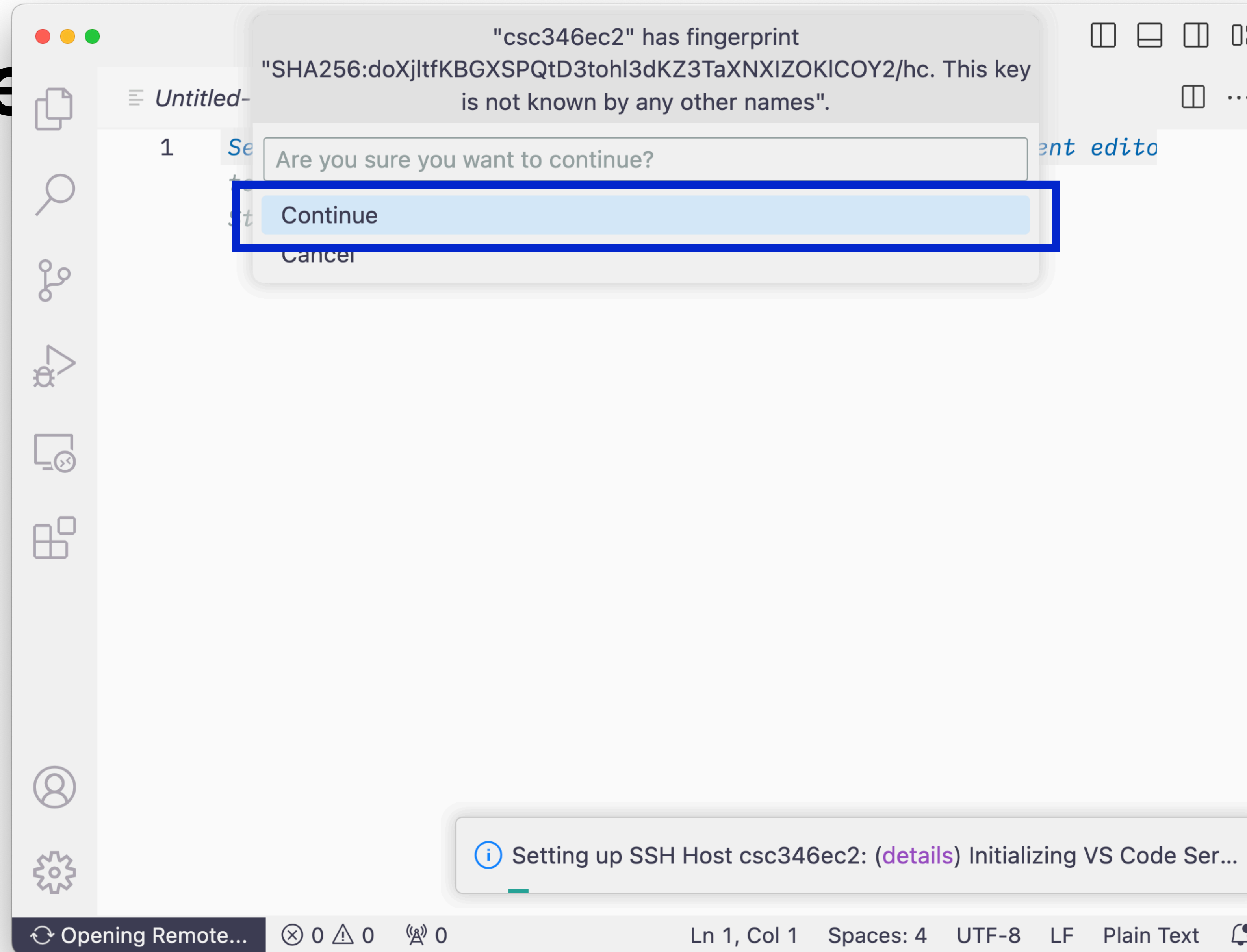
VS Code Remote

- A new window will open and start connecting to the remote host



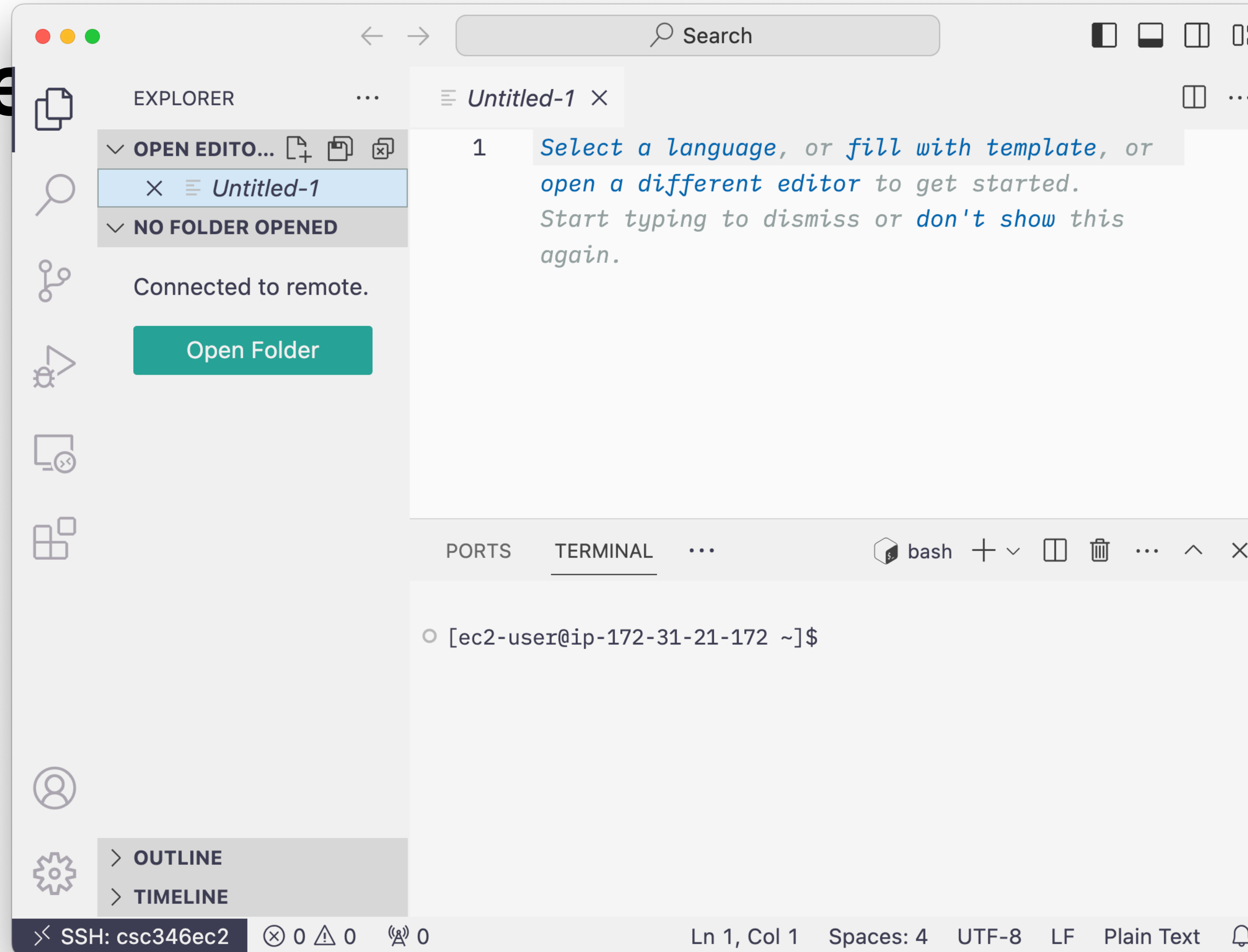
VS Code Remote

- Just like connecting on the CLI for the first time, you have to accept the host's fingerprint each time you connect to a new IP address
- Click "Continue"



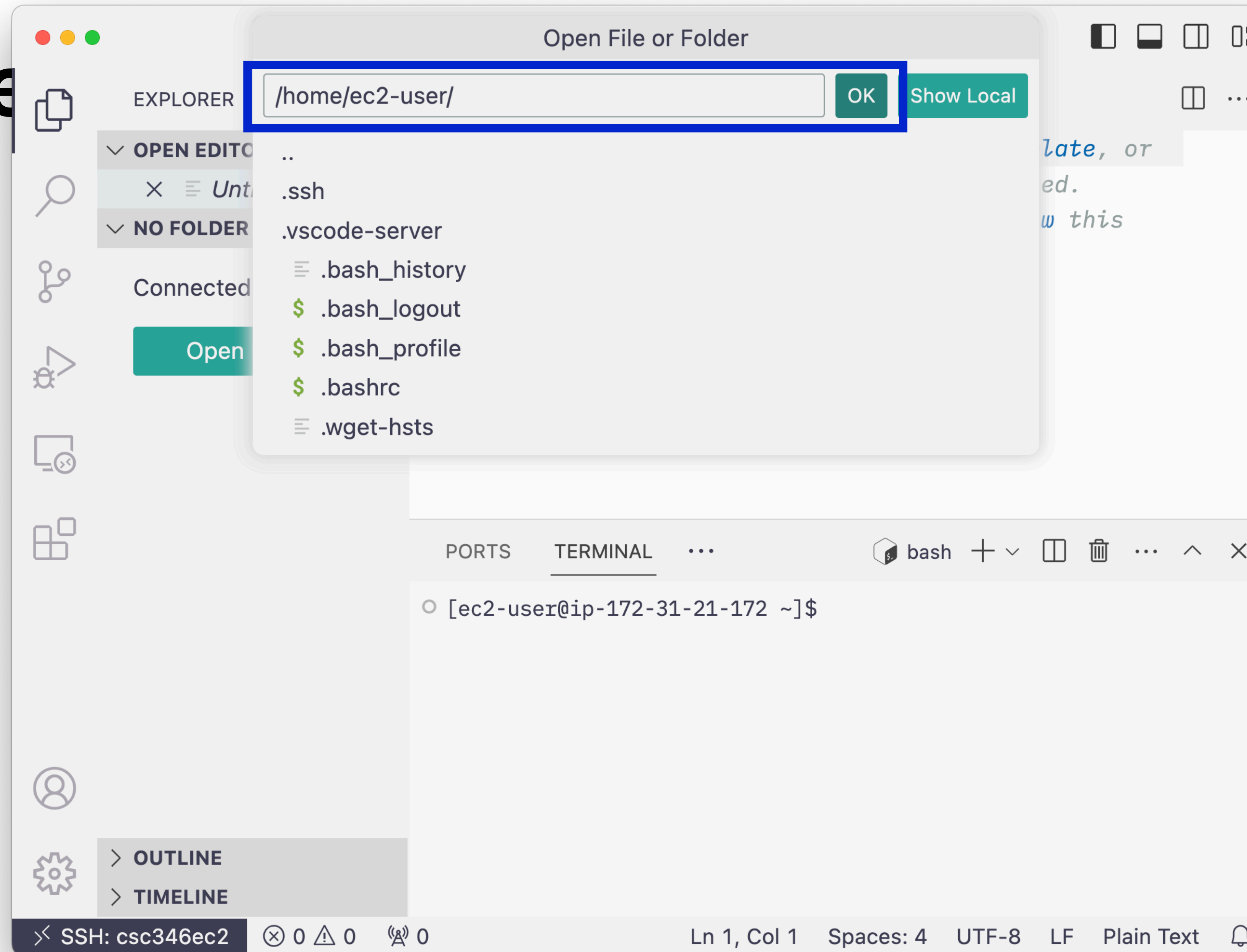
VS Code Remote

- If everything works, you'll be connected!
- You can see this in the terminal window



VS Code Remote

- Click on the “Open Folder” button in the left sidebar
- Open the ec2-user home folder



VS Code Remote

- You can see the remote files on the EC2 instance
- At this point you can create and edit files directly on the remote host, and run commands and programs remotely

