

How to install Visual Studio Code and setup for remote access via SSH

1. Install VS Code

- Download and install VS Code from <https://code.visualstudio.com/>.
- Install the necessary dependencies:

Windows: Install Git for Windows (includes OpenSSH).

Linux: Ensure OpenSSH is installed (sudo apt install openssh-client on Ubuntu).

Mac: OpenSSH comes pre-installed.

2. Install the Remote-SSH Extension

- Open VS Code.
- Go to **Extensions** (Ctrl+Shift+X).
- Search for **Remote - SSH** and install it.

3. Configure SSH Access to Remote Server

- Ensure SSH access to the remote server is working:

```
ssh user@remote-server
```

- Open the **Command Palette** at the left side bar, click the **Remote-SSH setup** and select your SSH config file (typically ~/.ssh/config).
- Add an entry:

```
Host hermes-a100
  HostName 155.210.134.18
  User workertfd2
  Port 4001
```

4. Connect to the Remote Server

- Open the **Command Palette** and run **Remote-SSH: Connect to Host**.
- Select the hostname you configured.
- Type the password.
- VS Code will connect and install the necessary components on the remote machine.

5. Open and Work on Remote Files

- Once connected, use the **Explorer** to browse remote files.
- Open a terminal inside VS Code (Ctrl+`) to execute remote commands.