Connection To aws-ec2 Using VSCode in windows

Connect your ec2 instance to putty or any ssh client

Go to .ssh

# cd .ssh

Now generate RSA key on your windows machine using command prompt/VSCode

# cd .ssh (*On Windows Machine*)

# ssh-keygen

Open the id\_rsa.pub

Select and Copy the Key

Now go back to your ssh (*aws-ec2 instan*ce)

Go to .ssh

#cd .ssh

Open and paste the key in authorized\_keys file

Now go back to your VSCode(*On Windows Machine*)

And try to connect to your aws-ec2 instance

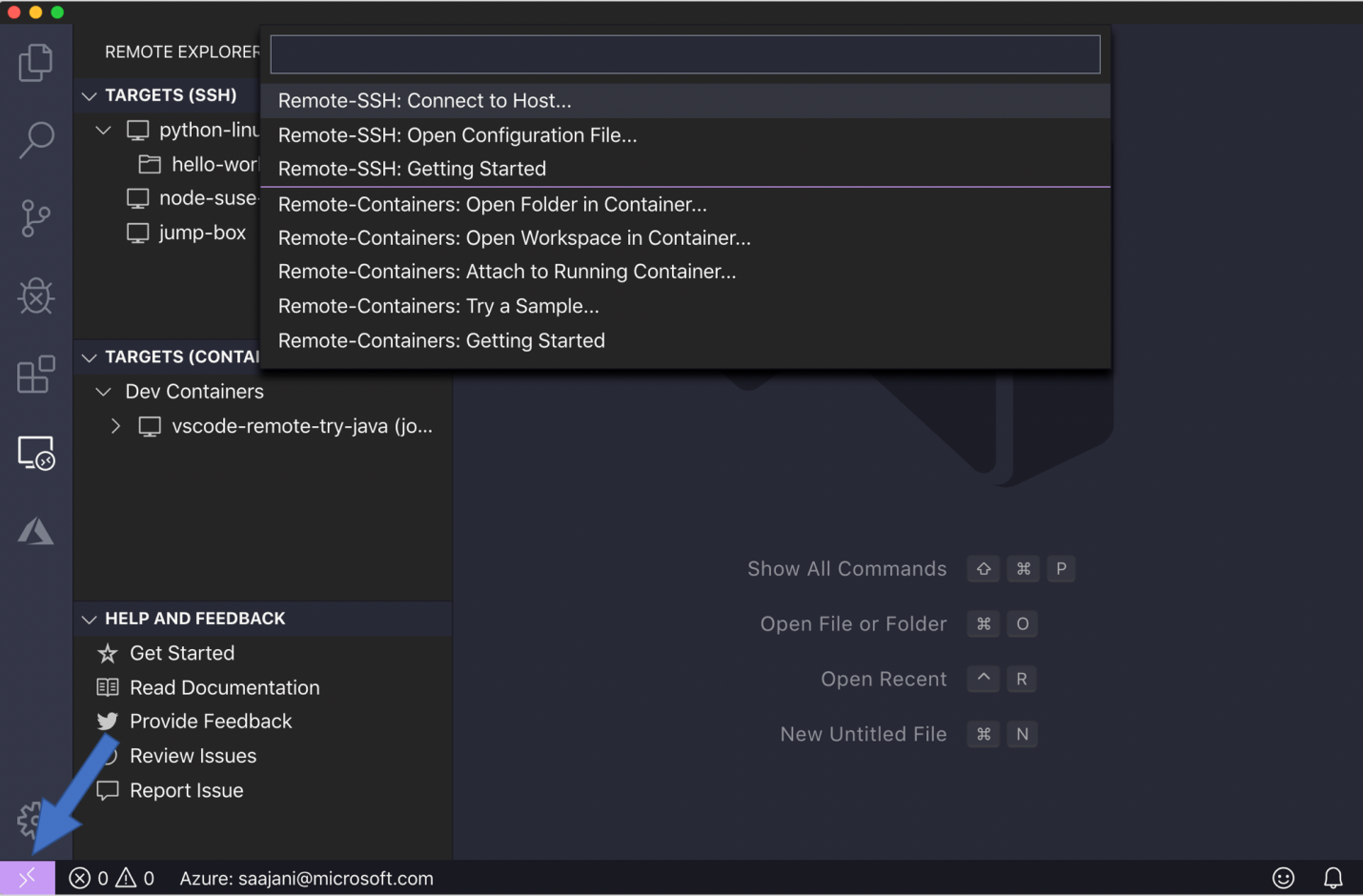
#ssh username@ipv4\_address

Congrats now you are connected to your ec2 instance

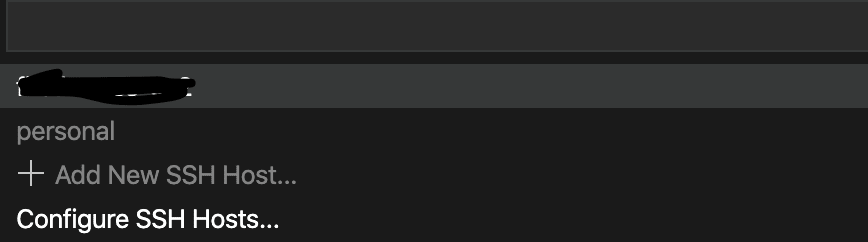
Now For Remote Connection

(*On Windows Mahine*)The Visual Studio Code Remote - SSH extension allows you to connect to a remote machine or VM using SSH, all from inside VS Code. If you don't already have the extension installed, you can search for "remote ssh" in the Extensions view (Ctrl+Shift+X).

After you install the extension, you'll notice an indicator on the bottom-left corner of the Status bar. This indicator tells you in which context VS Code is running (local or remote). Click on the indicator to bring up a list of Remote extension commands



Select Remote-SSH: Connect to Host. This will bring out options for you to add or configure SSH Hosts.



Select configure SSH Hosts. This will give you options to create a config file..

This will open a new file for you were you can create an ssh config.

Go to your *aws-ec2 instance*

# cat .ssh/id\_rsa.pub >> .ssh/authorized\_keys

# cat .ssh/id\_rsa

That’s it. Now you need to save the content of the private key as a file in Windows 10. Select the whole thing that looks like this:

-----BEGIN RSA PRIVATE KEY-----

...

-----END RSA PRIVATE KEY-----

Copy-paste it to a text file and save it as something similar to this: (*On Windows Machine*)

C:\Users\Example\.ssh\aws-example-user.pem

Name it however you wish. Don’t forget to create the .ssh folder in your profile, the path of which includes the Windows user name.

SSH config file for Visual Studio Code

Create a text file with content similar to this:

Host aws-ec2

HostName example.com

User example

IdentityFile C:\Users\Example\.ssh\aws-example-user.pem

Save it as an extensionless file called config in the C:\Users\Example\.ssh\ folder, same as above. To explain:

* Host (aws-ec2) is just a name that will appear in VS Code (as window title and connection indicator in the lower-left corner).
* HostName is the server’s host or IP.
* User is the Ubuntu username.
* IdentityFile is the path to the private key.

Press **F1** to open the command palette. Select Remote-SSH and this time, you should see the **Host** you just created. As you can see in the image below, mine is the **aws-ec2** that appears.

Select yours, and it will attempt connecting to it. When it has successfully connected, you will see something like this in the bottom left corner of your VSCode.