Upload the Local files to the server & LXD container

Xiong Bi

February 2025

1 create your own folder in the server

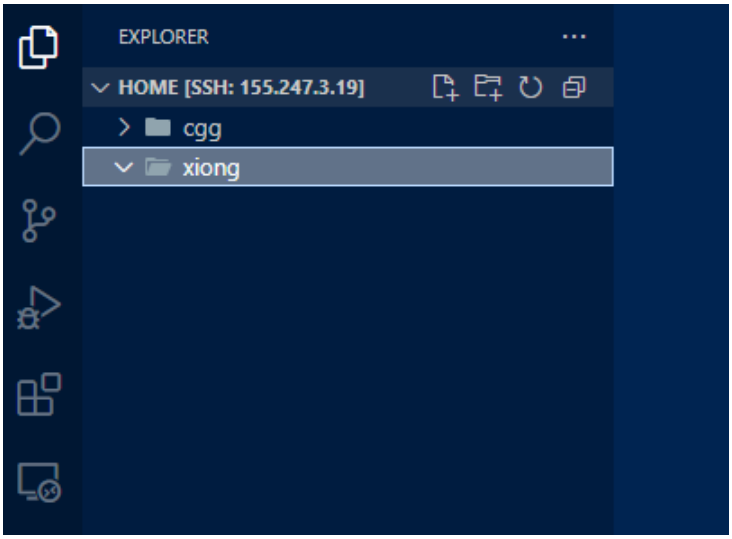

Figure 1: 1. I already created my own folder, i.e., xiong

2 assign permission for your own folder

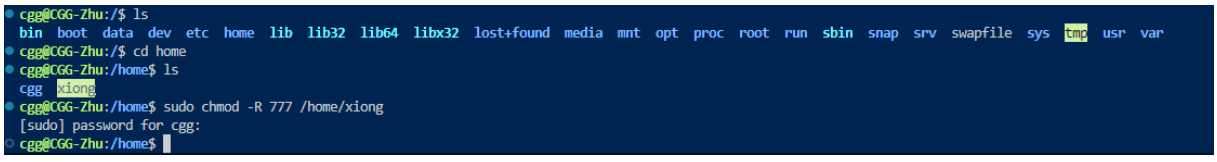

Figure 2: 2. use *cd home* to enter the *home* directory firstly, and then you will see the cgg and xiong folder. use *sudo chmod -R 777 /home/xiong* command to assign the permission to xiong folder finally.

3 upload your Local files to the server

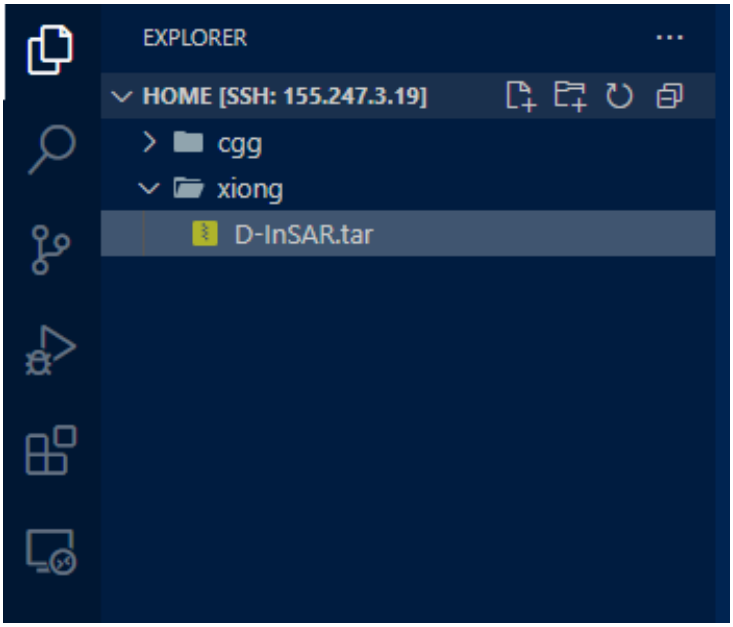

Figure 3: 3. directly drag and drop your Local files (i.e., compressed package) into the xiong folder (because I already have read & write permission for the /home/xiong path). And then you will see the compressed package in the xiong folder as shown.

Note:
I suggest you package the local files into a compressed package (.tar format) for easy operation later.

4 transfer the .tar package from the server to your own LXD container

```
cgg@CGG-Zhu:/home/xiong$ lxc file push /home/xiong/D-InSAR.tar xiong-ubuntu18/home/
Pushing /var/lib/snapd/hostfs/home/xiong/D-InSAR.tar to /home/D-InSAR.tar: 10% (159.91MB/s)
```

Figure 4: 4. stay in the server and don't enter your own LXD container firstly, and then use the command as shown under any directory and press Enter. After that, you will see the .tar package is being transferred.

Note:
(1)
lxc file push -- transfer commmand
/home/xiong/D-InSAR.tar -- path to save the compressed package in the server
xiong-ubuntu18/home/ -- path to save the compressed package in your own LXD container

(2)
If you have multiple compressed packages, you can use the following command to transfer them:

```
lxc file push /home/xiong/*.tar xiong-ubuntu18/home/
```

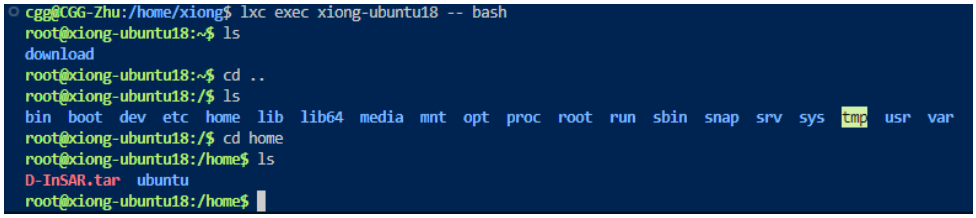

Figure 5: 5. enter your own LXD container firstly, and then you will see the compressed packages in the home folder.

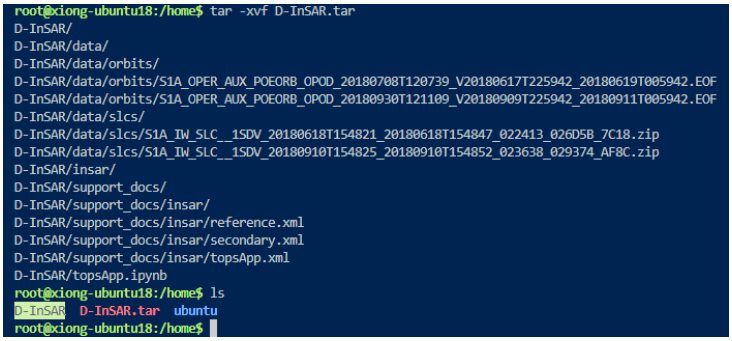

Figure 6: 6. use *tar -xvf D-InSAR.tar* command to unzip the compressed package and the path to save is the current folder, i.e., home folder. After finishing, you will see the D-InSAR file in the home folder.