

# Upload the Local files to the server & LXD container

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February 2025

## 1 create your own folder in the server

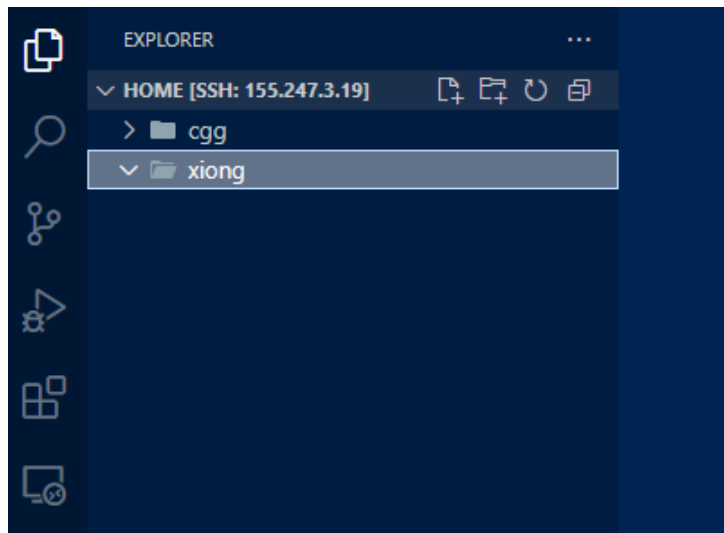


Figure 1: 1. I already created my own folder, i.e., xiong

## 2 assign permission for your own folder

```
cgg@CGG-Zhu:/$ ls
bin boot data dev etc home lib lib32 lib64 libx32 lost+found media mnt opt proc root run sbin snap srv swapfile sys tmp usr var
cgg@CGG-Zhu:/$ cd home
cgg@CGG-Zhu:/home$ ls
cgg xiong
cgg@CGG-Zhu:/home$ sudo chmod -R 777 /home/xiong
[sudo] password for cgg:
cgg@CGG-Zhu:/home$
```

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

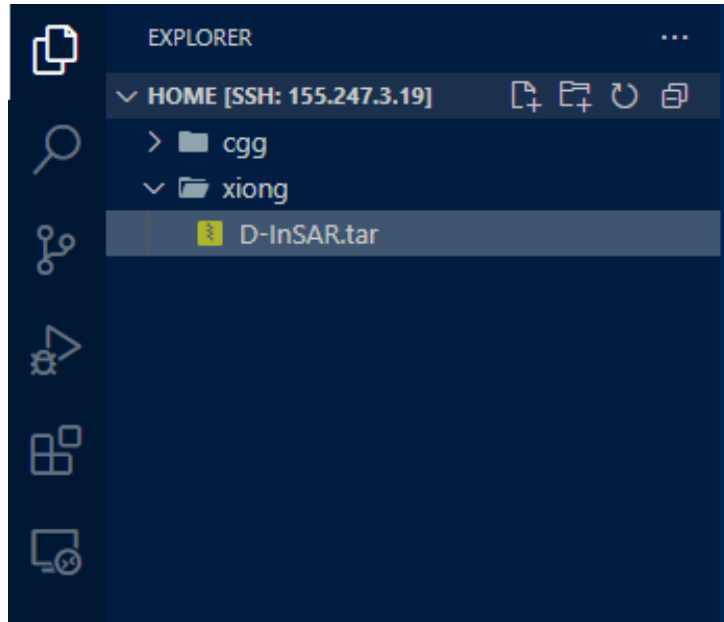


Figure 3: 3. directly drag and drop your Local files (i.e., compressed package) into the xiong folder (because I already have read & write permission for the /home/xiong path). And then you will see the compressed package in the xiong folder as shown.

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

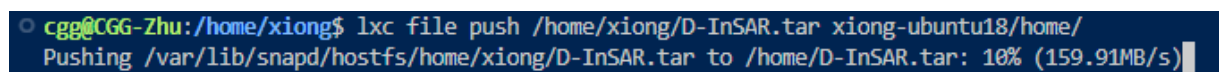


Figure 4: 4. stay in the server and don't enter your own LXD container firstly, and then use the command as shown under any directory and press Enter. After that, you will see the .tar package is being transferred.

Note:

(1)

`lxc file push -- transfer command`

`/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/
```

```

cgg@CGG-Zhu:/home/xiong$ lxc exec xiong-ubuntu18 -- bash
root@xiong-ubuntu18:~$ ls
download
root@xiong-ubuntu18:~$ cd ..
root@xiong-ubuntu18:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin snap srv sys tmp usr var
root@xiong-ubuntu18:/# cd home
root@xiong-ubuntu18:/home$ ls
D-InSAR.tar  ubuntu
root@xiong-ubuntu18:/home$

```

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

```

root@xiong-ubuntu18:/home$ tar -xvf D-InSAR.tar
D-InSAR/
D-InSAR/data/
D-InSAR/data/orbits/
D-InSAR/data/orbits/S1A_OPER_AUX_POEORB_OPOD_20180708T120739_V20180617T225942_20180619T005942.EOF
D-InSAR/data/orbits/S1A_OPER_AUX_POEORB_OPOD_20180930T121109_V20180909T225942_20180911T005942.EOF
D-InSAR/data/slcs/
D-InSAR/data/slcs/S1A_IW_SLC__1SDV_20180618T154821_20180618T154847_022413_026D5B_7C18.zip
D-InSAR/data/slcs/S1A_IW_SLC__1SDV_20180910T154825_20180910T154852_023638_029374_AF8C.zip
D-InSAR/insar/
D-InSAR/support_docs/
D-InSAR/support_docs/insar/
D-InSAR/support_docs/insar/reference.xml
D-InSAR/support_docs/insar/secondary.xml
D-InSAR/support_docs/insar/topsApp.xml
D-InSAR/topsApp.ipynb
root@xiong-ubuntu18:/home$ ls
D-InSAR  D-InSAR.tar  ubuntu
root@xiong-ubuntu18:/home$

```

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.