

# Copying files from/to instances during the Workshop on Genomics

In this short tutorial, we show you how to:

1. copy a file from your laptop to your workshop instance
2. copy a file from your workshop instance to your laptop

## 1. Copying **to** the instance

First, **open a terminal** on your laptop. Then go to the folder of the **file you wish to copy to the instance** (`cd` command to go somewhere, `ls` to make sure of the file is present).

Make sure that you are copying it to a **directory that exists on the instance**. If the destination folder does not exist, create it beforehand by connecting to the instance (`mkdir` to create the folder).

Then, assuming the name of the file you wish to copy is `myfile.txt` and the destination folder is `/home/genomics/workshop_materials/`, type:

```
scp myfile.txt genomics@XXX.XXX.XXX.XXX:/home/genomics/workshop_materials/
```

`scp` stands for *secure copy*. Replace `XXX.XXX.XXX.XXX` by the ip of your instance. You will need to type the instance password when prompted. If you didn't make a mistake, you will see an upload bar appear once you press enter.

## 2. Copying **from** the instance

Suppose you wish to copy a file on the instance which has full path (you can see the full path with the command `pwd`): `/home/genomics/workshop_materials/myfile.txt`

Then on your laptop, `cd` to the destination folder where you wish the file to be copied to. Then type:

```
scp genomics@XXX.XXX.XXX.XXX:/home/genomics/workshop_materials/myfile.txt .
```

The dot at the end of the command is important, as it indicates that you want to put it 'here' in the current directory. If you didn't make a mistake, you will see a download bar appear once you press enter.