

# Quickstart

Please prepare your [job\\_script](#) which should be capable of storing and loading configuration snapshots and of returning the relevant metadata for the particular sampling method (at least reaction coordinate and calculation steps/time).

## Server

Open a terminal and start the server (you may edit the configuration file first):

```
cd freshs/server
python main_server.py -c server-sample.conf
```

## Client(s)

Open another terminal and start the client, e.g.:

```
cd freshs/client
python main_client.py -c client-sample.conf
```

Thereby, the executable of your simulation and the harness script are read from the configuration file. According to your resources, you can connect multiple clients to the server.

## MPI

If you'd like to use a prefix for your executable, e.g. `mpirun`, then use

```
python main_client.py -c client-sample.conf -e "mpirun -np 8"
```

## SSH tunnel

If you need a secure ssh tunnel to your local machine, the ssh tunnel can be enabled and the `tunnelcommand` can be specified in the configuration file of the client:

```
# ssh tunnel
ssh_tunnel = 1
```

```
# ssh tunnelcommand
```

```
ssh_tunnelcommand = ssh -N -L 10000:localhost:10000 tunneluser@tunnelhost
```

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