

```

1 #!/bin/bash
2 Variable and path declaration
3 if [parameter run];
4     then
5         for (( i=1; i<=Np; i++ ))
6             do
7                 Create and copy the simulation folder to the server (simulation_i)
8                 Compute the time from which restarting the simulation
9                 ssh server name << EOF
10                sleep 15
11                ssh submission: frame number for restart , name of the test case, job to submit
12                exit
13                EOF
14            done
15        for (( i=1; i<=Np; i++ ))
16            do
17                end_file=0
18                while [ end_file -eq 0 ];
19                    do
20                        ssh server name find server_path -iname end_file.txt | wc -l > end_file
21                        if [end_file];
22                            then
23                                continue
24                            else
25                                sleep 10
26                            fi
27                    done
28                Copy the file with observation from server to CPU
29                Remove the simulation folder on the cluster
30        else
31            Create and copy the simulation folder to server
32            ssh server name << EOF
33            sleep 15
34            ssh submission: frame number for restart , name of the test case, job to submit
35            exit
36            EOF
37            end_file=0
38            while [ end_file -eq 0 ];
39                do
40                    ssh server name find server_path -iname end_file.txt | wc -l > end_file
41                    if [end_file];
42                        then
43                            continue
44                        else
45                            sleep 10
46                        fi
47                done
48            Copy the file with observation from server to CPU
49        fi

```