DEEC
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ELECTROTÉCNICA E DE COMPUTADORES
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SIGMA COMMANDS

RELEVANT SIGMA INSTRUCTIONS

(ENVIRONMENT, ENTERING SIGMA, IMPORTANT COMMANDS)

1 ENVIRONMENT

To access Sigma using MS Windows you can use two different environments[1]:

a) **Windows Power Shell:** already installed in windows computers.
b) **MobaXterm:** you can install in your computer. Click here.

For more details about how MobaXterm works see this demo and search on web for relevant information.

2 ENTERING SIGMA

Having the environment chosen, it is time to enter in sigma cluster, for that, in the command line, write the following command:

a) ssh ist1XXXXX@sigma.tecnico.ulisboa.pt

After that, the program will ask you for your sigma password, which is the same as the Fenix password.

Once you perform those steps, your command line is similar to *ist1XXXXX@sigmaYY:~$*, where XXXX is your IST number and YY is a number between 01 and 04, representing the node which the user is redirected.

3 SIGMA COMMANDS

Here you can find some useful commands to use in sigma.

Command	Objective
ls	See the directory content
cd <folder_name>	To move into that folder
cd ..	Return to the previous folder
cd	Return to the root directory
nano <file_name>	To edit a specific file
rm <file_name>	To remove a specific file

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[1] If you use Mac OS, open a Terminal window and enter the following command: ***ssh -Y** ist1XXXXX@sigma.tecnico.ulisboa.pt* .

ip addr	Check your IP address
scp	To move files from your pc to sigma[2]

Regarding to the **scp** command, to send a file from:

- Computer to sigma root:
  scp index.ts ist1xxxxx@sigma.tecnico.ulisboa.pt:~/

- Computer to specific sigma folder:
  scp index.ts ist1xxxxx@sigma.tecnico.ulisboa.pt:~/<sigma_folder>

- Sigma to computer:
  scp ist1xxxxx@sigma.tecnico.ulisboa.pt:~/<computer_folder>/index.ts ./

4 REFERENCES

[1] https://si.tecnico.ulisboa.pt/files/sites/28/manual-de-utilizacao-afs.pdf
[2] https://mobaxterm.mobatek.net/download-home-edition.html

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[2] MobaXterm includes a user-friendly interface for file transfer, which supports drag&drop, avoiding the use of **scp**. In Mac OS, you may use FileZilla or an equivalent application.