- Register to RESERVED COURSE | Cineca Events
- Take note of your username and password received by email. Please contact aiphy@unimib.it if you didn't receive it.
- To use the cineca resources and open a jupyter notebook from your browser please follow these instructions [1].
- It is possible to copy data to the node using the notebook and the scp commands on terminal.

WARNING: After 3 failed login attempts, access is forbidden for 30 mins TO ALL USERS.

IMPORTANT: ALL "XX" INSTANCES MUST BE REPLACED WITH THE LAST TWO DIGITS OF YOUR USERNAME. The following Instructions [1] allow for password-free authentication.

[1]
1. From your pc download e unzip

https://wiki.u-gov.it/confluence/download/attachments/364286449/forward2.tar.gz?version=6&modificationDate=1704971194000&api=v2

Go inside the directory created, then again inside the directory named `forward2`, from here do:
- `chmod 755 forward2` (on windows, run `icacls "forward2" /q /c /t /grant Users:F`)

- modify the file `leonardo/jupyter-conda` adding the line: `#SBATCH -A tra24_MiBico` after the lines with the other #SBATCH directives

- modify the file `leonardo/params.sh` with:

```
RESOURCE=leonardo
PORT=100XX
RESOURCE_HOME=
USERNAME=a08trbXX
```

2. From your computer, generate a public key and add it to the login host (for more information you can have a look at http://www.linuxproblem.org/art_9.html (linux) or at https://www.purdue.edu/science/scienceit/ssh-keys-windows.html (windows):
- `ssh-keygen -t rsa` (do not add a passphrase, i.e. just press return when asked for it)

- `cat ~/.ssh/id_rsa.pub | ssh a08trbXX@login01-ext.leonardo.cineca.it 'cat >> .ssh/authorized_keys'` (all in one line!)

if .ssh/authorized_keys doesn't exist, please create it:

- `ssh a08trbXX@login01-ext.leonardo.cineca.it`
- enter password
- `mkdir ~/.ssh`
- `chmod 700 ~/.ssh`
- `touch ~/.ssh/authorized_keys`
- `chmod 600 ~/.ssh/authorized_keys`

Now you should be able to login without the need of
typing the password.

Now, inside login01-ext.leonardo.cineca.it you should create another ssh key and copy it to login02.leonardo.cineca.it as follows:

- `ssh a08trbXX@login01-ext.leonardo.cineca.it`
- (no need for password anymore!)
- `ssh-keygen -t rsa` (do not add a passphrase, i.e. just press return
- when asked for it)
- `cat .ssh/id_rsa.pub | ssh a08trbXX@login02 'cat >> .ssh/authorized_keys'`
- enter password

3. Go back to your local directory where you have the forward2 command (the unzipped one of instructions #1) run the command:

```
./forward2 -r leonardo jupyter-conda
```

And follow the instructions on your terminal. It can take a few mins. You will have access to a jupyter environment where you can run notebooks.