Software environnement

The workstation (laptop)

- One *person* = one *laptop* = one *login/password*

- Operating system : *Linux CentOS 7.*

- One the login screen, enter *login* : « **stagXX** »
(XX from 01 to 40). The *password* is **individual**.

- Once logged, you are on network called « OCRE ».
You are connected to the Internet.

- All the stagXX HOME directories are visible and share the same (small) disk quota.
    <u>Please don't download big files</u>

- In the HOME directory, the source tree of the last ABINIT package has been copied (not compiled).

- Typical use of the laptop:
    - Visualize the TUTORIALS html files from ABINIT website.
    - Browse the ABINIT source tree.
    - Surf the Internet, use a webmail.
    - Open a terminal and log on the *Cobalt* supercomputer.

The *Cobalt* supercomputer

- How to access *Cobalt* ?

    Double-click on the « *cobalt_connection* »
    shortcut on the Desktop

- Login : **ccrttpXX** *(XX: from 01 to 40)*

- Password : **FormationCCRT123**

- You are automatically logged on a file system named CCCWORKDIR. You should use only this file system (which has a big disk quota).

- A source tree of the last version of ABINIT has been copied (not compiled).

- All ABINIT executables should be present in your PATH.

- Use the ABINIT source tree to access to the tutorials Input and Output files (html should be visualised on the laptop).
Input files are located at:
    abinit-8.10.2/tests/tuto***/Input

- You should use *Cobalt CCC*WORKDIR to run all the tutorials.

Desktop shorcuts (laptop)

cobalt_connection: access to *Cobalt* supercomputer in a terminal.

terminal: a terminal (laptops network).

tutorial_welcome: the tutorials html files.

lesson_cobalt: how to run a job on *Cobalt*.