Checklist: Start iCub

1. Turn on the router and the two power supplies

2. Login into the PCs

3. Wait for **icubsrv** to get an IP address

4. Switch on the CPU power

5. Wait ~40s for robot to boot

6. See whether you can reach **PC104** (SSH)

7. Verify the emergency button is pressed

8. Switch on the motors button and wait until the blinks of the LEDs are stabilized

9. On the **icub01** type in a terminal
   ```
   cd software/src/icub-scripts
   sh icub_launchApplicationGUIS.sh
   ```

   In the `clusterManager` that is opened

   9.1. If the check-box next to the name is not checked, click the run button

   9.2. Check the server again, the connexion should be successful (check-box checked)

   9.3. unselected icubsrv

   9.4. Click on the *run selected* button

   9.5. *Check selected* to verify the connection

10. Release the emergency stop

11. On **icub01**, start `yarpmanager` (locally) and open the folder
    /home/icub/software/src/icub-applications/apps-xml

12. On yarpmanager, select the application "Nancy:_iCubStartup_HEAD_v2"

13. Then, launch `yarplogger` (**icub01**) and `yarprobotInterface` (**PC104**)

    If error messages appear, stop `yarprobotInterface`

    13.1. do a `yarp clean`

    13.2. position the robot manually in a equilibrium state

    13.3. switch off the motors

    13.4. Wait a little

    13.5. go to step 7

14. Enjoy!

Checklist: Stop iCub

1. Ensure that the robot is in a stable position (using `yarpmotorgui`)

2. On **icub01**, disconnect and stop all the modules in `yarpmanager` and stop them

3. On **pc104,** stop `robotInterface`

4. Close the cluster manager on **icub01**

    1. *stop selected* to disconnect machines with the server

    2. type `yarp clean` on **icub01**

    3. use the *stop* button to stop the server

5. On **pc104,** run `sudo poweroff`

6. Wait the end of the head's fans to stop

7. Switch off the power for motors and CPU

8. Activate the emergency stop button

9. Close the two power supplies

10. On **icub01** double-click on the "router off" icon on the desktop

11. switch the router's power switch off