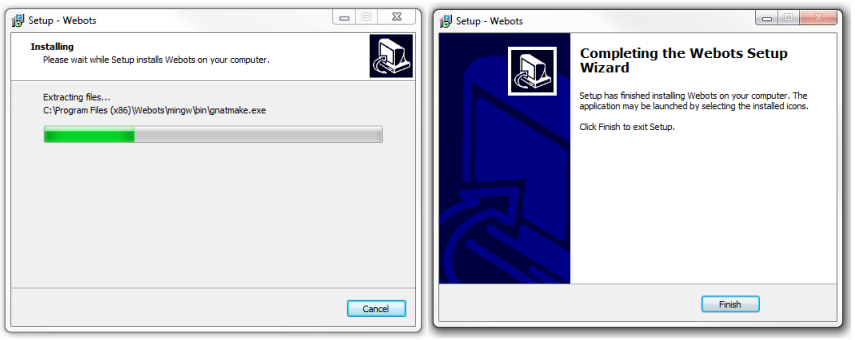
Setup & Register

1. Download the software from the Cyberbotics website: http://www.cyberbotics.com/download

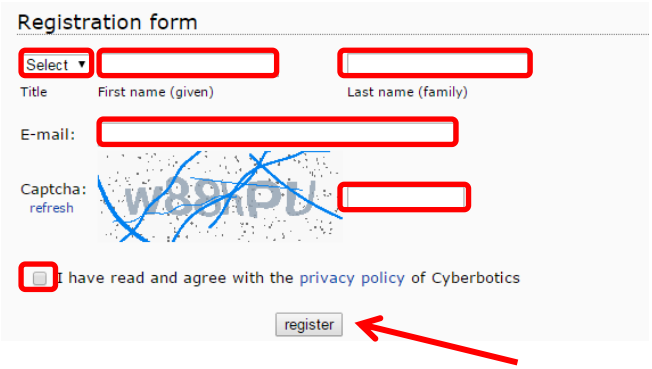
2. Once the download is finished, run the file and follow the installation process.



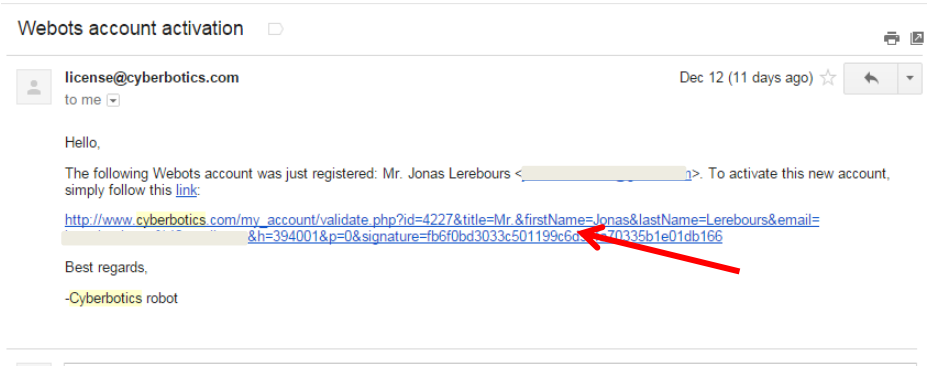
3. Launch Webots

4. For the first launch, Webots asks you to register. Click on "Register a new Webots account".

5. Fill-in the online form to create a Webots account (this is different than your Aldebaran account).

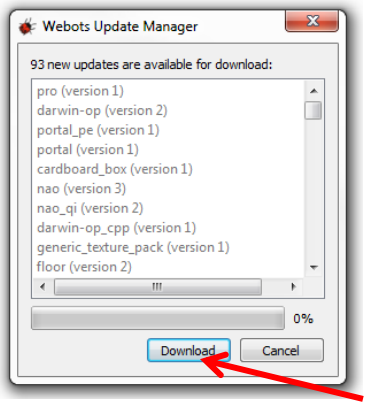


6. Check your emails to get the validation link. Click on it



7. Once your account is validated, go back to Webots, fill in email and password, and click Login.

8. Webots asks you to download some updates. Click download and wait. This may take some time.

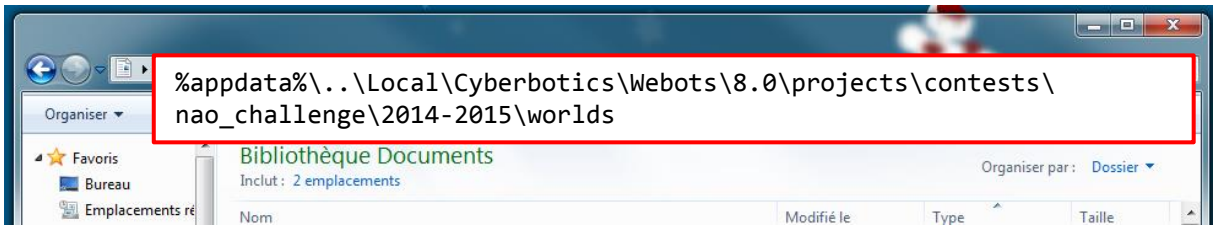


9. When Webots opens, close the "Tour" (it sometimes causes Webots to crash).

Run the NAO Challenge simulation

1. Open a document folder and enter the exact address below:

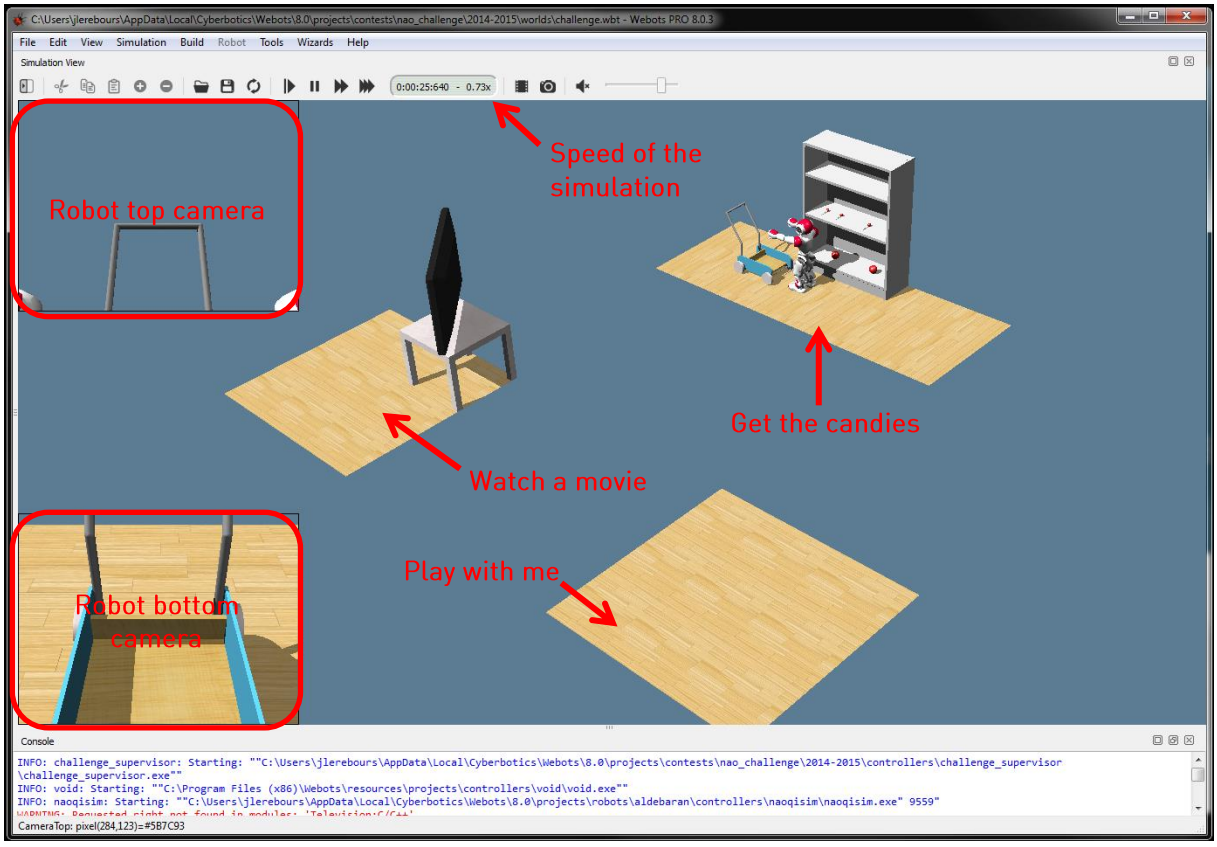
%appdata%\..\Local\Cyberbotics\Webots\8.0\projects\contests\nao_challenge\2014-2015\worlds



Note: you may want to create a shortcut to this folder as the address is fairly complex!

2. You can see 2 files:
   - **Challenge**: open this file if you want the environment with one robot
   - **Challenge_with_2_robots**: open only is you need to have two robots.

3. Webots starts with the simulated robot. Discover the different elements below:

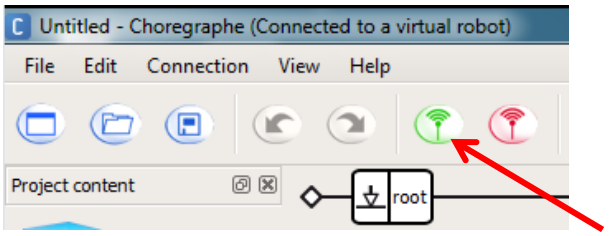


Note: You can move the robot from one area to another simply by pressing 1, 2, 3 on your keyboard, or by selecting the robot, then holding SHIFT while moving it.

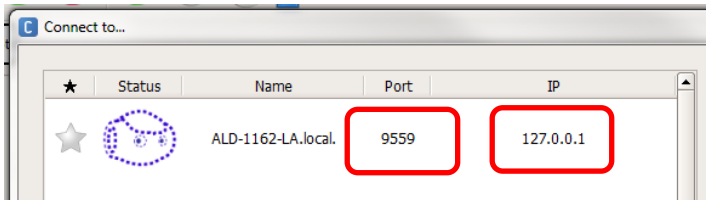
Connect & Control the robot in Choregraphe

1. When the simulation is running, open Choregraphe.

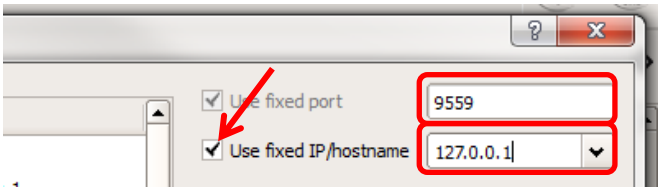
2. Click "connect to..."



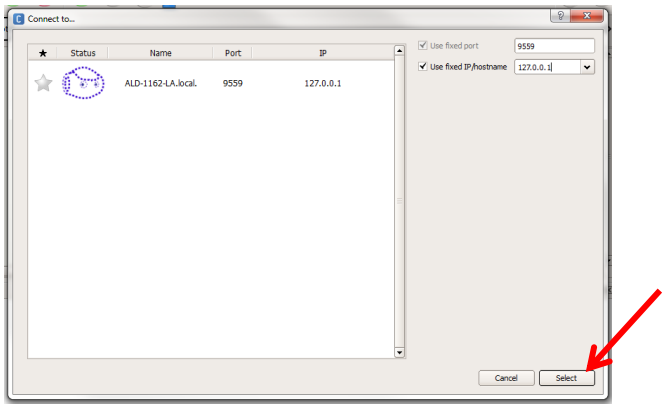
3. In the list, select the robot with IP = 127.0.0.1 and Port = 9559. This is the Webots simulated robot. If you simulate 2 robots, the second robot will be IP = 127.0.0.1 and Port = 9560



If the robot does not appear in the list, check "Use fixed IP/hostname" then enter the port and the IP in the textboxes.



4. Click select and start programming the simulated robot!



Note: make sure the speed of the simulation stays close to 1.0x otherwise the robot may behave incorrectly. If it is too slow, try to close other demanding programs on your computer.