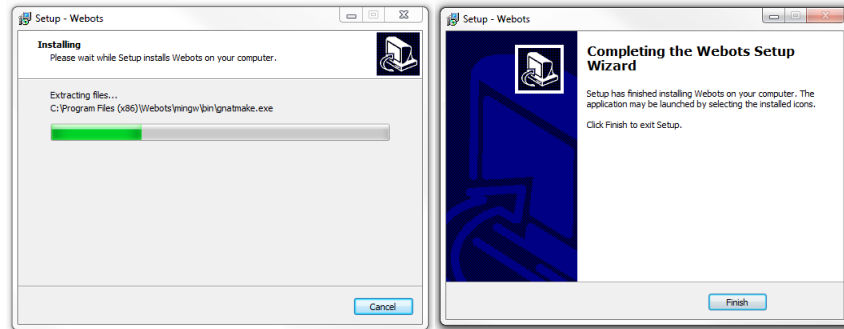


Setup & Register

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](#)".




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

Registration form

Select

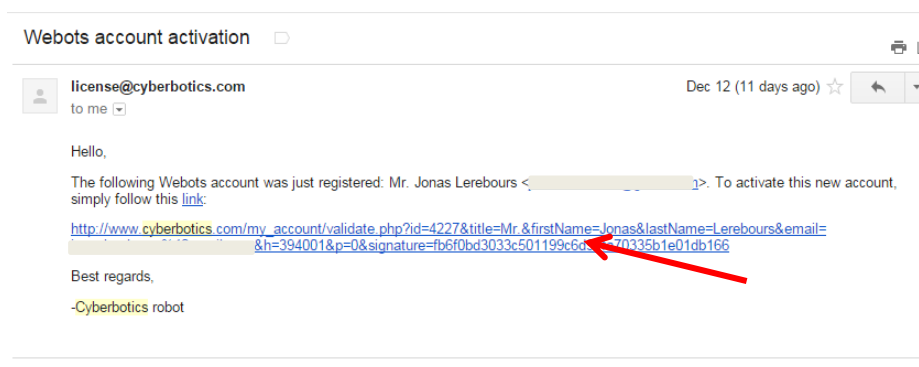
Title First name (given) Last name (family)

E-mail:

Captcha: 

☐ I have read and agree with the [privacy policy](#) of Cyberbotics

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



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

Login to Webots 8.0.3

 **Webots™ 8**
fast prototyping and simulation of mobile robots



E-mail:

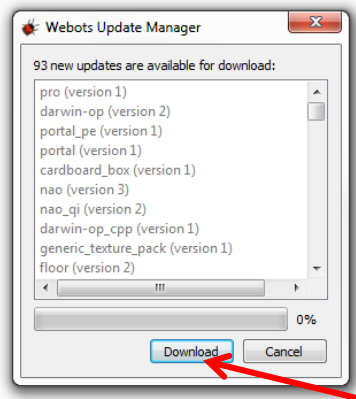
Password:

Synchronization: 30 seconds

Network: Direct connection

No account? [Register a new Webots account](#)

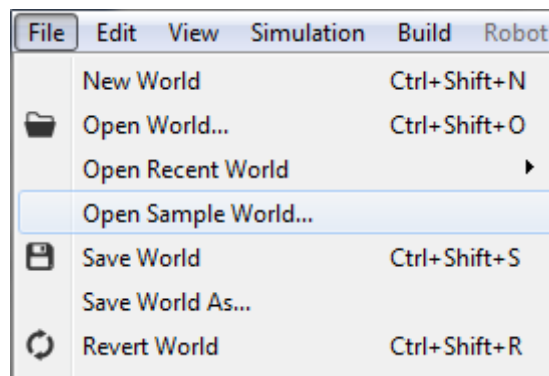
8. Webots asks you to download some updates. Click download and wait. This may take some time.



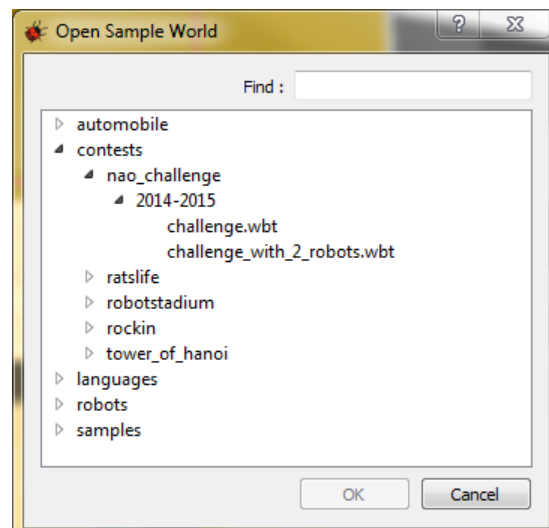
9. When Webots opens, close the "Tour" (it sometimes causes Webots to crash).

Run the NAO Challenge simulation



1. Open Webots
2. Click on File → Open sample world



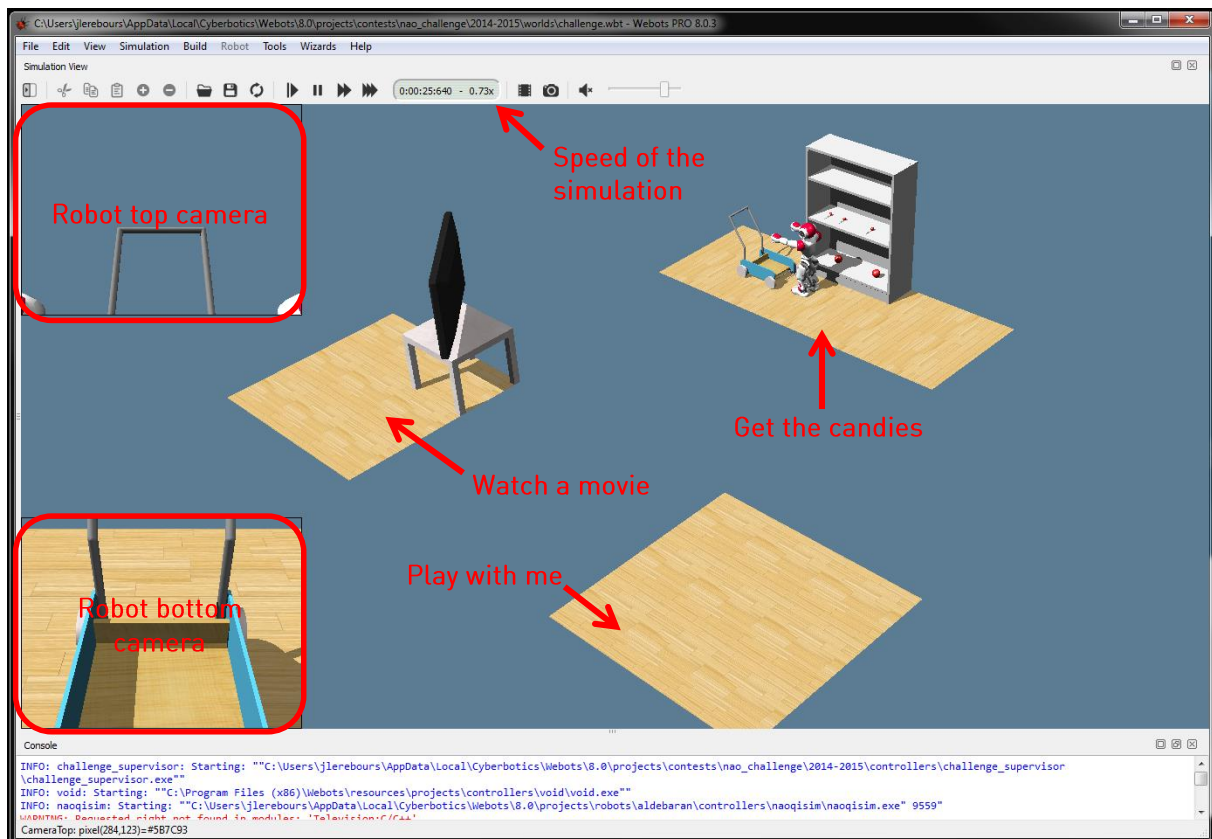
3. Open contests → nao_challenge → 2014-2015



4. You can see 2 files:

-  Challenge: open this file if you want the environment with one robot
-  Challenge_with_2_robots: open only if you need to have two robots.

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



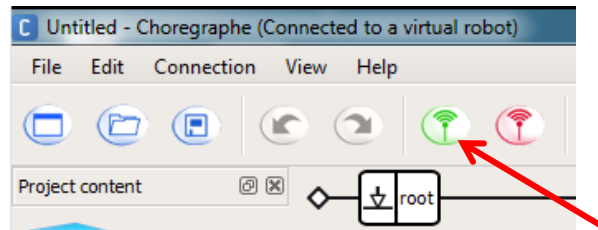
Note: You can move the robot from one area to another simply by pressing 1, 2, 3 on your keyboard, or by selecting the robot, then holding SHIFT while moving it.

Connect & Control the robot in Choregraphe

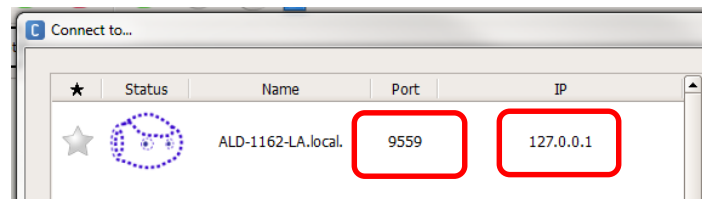
1. When the simulation is running, open Choregraphe.



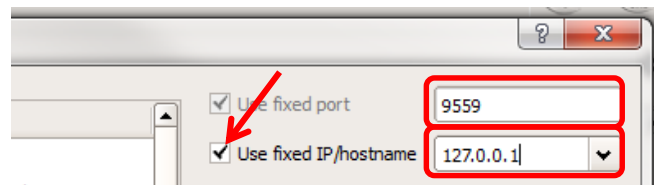
- Click "connect to..."



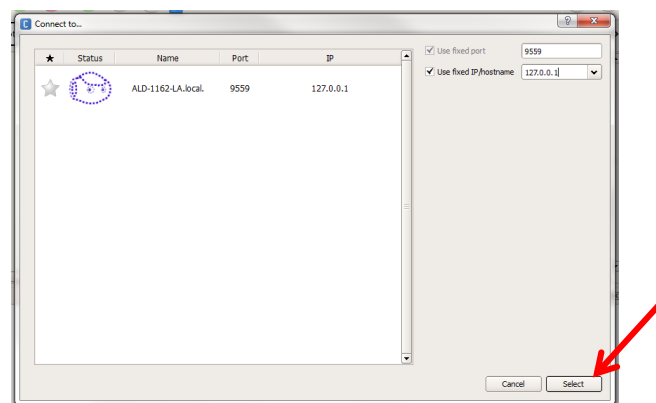
- In the list, select the robot with IP = 127.0.0.1 and Port = 9559. This is the Webots simulated robot. If you simulate 2 robots, the second robot will be IP = 127.0.0.1 and Port = 9560



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



- 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.