

Setting Up Webots Environment for NAO Simulation

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Software

- Python IDE: `anaconda 4.4.0 (32-bit)`, `python 2.7.13`
- Module: `from naoqi import ALProxy` (Python SDK)
- Webots: `webots PRO 8.2.1`
- Choregraphe: `Choregraphe 2.1.4.13`, latest version

Details

- For the Python SDK, Choregraphe *must* be installed first before the `import` statement will work.
- To open NAO in Webots: `File > Open Sample World > robots > aldebaran > nao.wbt`.
- Webots NAO is hosted on IP `127.0.0.1`, port `9559`.
- To establish a Python SDK connection with any NAO robot, run
`variable = ALProxy("name_of_module", "NAO_ip", port)`.
For behaviors specifically on the Webots version of NAO, run
`behavior = ALProxy("ALBehaviorManager", "127.0.0.1", 9559)`.
- Functions from the `ALBehaviorManager` module can be found at
<http://doc.aldebaran.com/2-1/naoqi/core/albehaviormanager-api.html>