How to Turn Your Raspberry Pi Into a Development Server

<https://www.toptal.com/raspberry-pi/how-to-turn-your-raspberry-pi-into-a-development-server>

* install nodejs from package manager ( for PC )

**nodejs 6 🡪**

curl -sL https://deb.nodesource.com/setup\_6.x | sudo -E bash -

sudo apt-get install -y nodejs

**nodejs 8 🡪 ( for ARM base V8:64bits)**

curl -sL https://deb.nodesource.com/setup\_8.x | sudo -E bash -

sudo apt-get install -y nodejs

**nodejs 4 🡪( support platform :**

* remove nodejs

pi@raspberrypi:~ $  node -v  
v0.10.29  
pi@raspberrypi:~ $  sudo su -  
root@raspberrypi:~ # apt-get remove nodered -y  
root@raspberrypi:~ # apt-get remove nodejs nodejs-legacy -y  
root@raspberrypi:~ # apt-get remove npm  -y # if installed npm  
root@raspberrypi:~ # curl -sL https://deb.nodesource.com/setup\_6.x | sudo bash -  
root@raspberrypi:~# apt-get install nodejs -y  
root@raspberrypi:~# node -v  
v6.11.0  
root@raspberrypi:~# npm -v  
3.10.10

or ( for ARM )

mkdir node  
cd node  
wget https://nodejs.org/dist/v6.11.1/node-v6.11.1-linux-arm64.tar.xz  
tar -xvf node-v6.11.1-linux-arm64.tar.xz  
cd node-v6.11.1-linux-arm64  
sudo cp -R \* /usr/local/  
  
sudo reboot  
node -v  
v6.11.1  
npm -v  
3.8.6

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# Node Bluetooth serial port

<https://github.com/eelcocramer/node-bluetooth-serial-port>

# NodeJS Serial port

* <https://github.com/ITPNYU/physcomp/tree/master/labs2014/Node%20Serial%20Lab>
* <https://itp.nyu.edu/physcomp/labs/labs-serial-communication/lab-serial-communication-with-node-js/#Using_theData_in_HTML>

Nodejs install JAVA

* npm install java
* npm init 🡪creates a package.json in root for you
* npm list 🡪lists all installed packages
* npm prune 🡪removes packages not depended on by your project according to your package.json
* npm outdated 🡪tells you which installed packages are outdated with respect to what is current in the npm registry but allowable by the version definition in your package.json

npm check update

npm i -g npm-check-updates

npm-check-updates -u

npm install

Nodejs call java API

<https://github.com/joeferner/node-java>