

Follow these tutorials for more detailed instructions :

<https://learn.adafruit.com/series/learn-raspberry-pi>

Installing Raspian Jessie on Pi

Expanding Filesystem

Setting Up Keyboard : Dell 101 Key PC and English(US)

Setting up Wifi

Setting Proxy Settings

Raspberry Pi Update and Upgrades

Setting up SSH, I2C, SPI

Links followed before rfid worked on pi

<https://www.raspberrypi.org/documentation/raspbian/updating.md>

Update and Upgrade RPI

<https://github.com/Hexxeh/rpi-update>

rpi-update may say things about time and ca-certificates, but it might be only a problem with proxy

Read Error Completely and make sure its not a proxy error

<https://github.com/lthiery/SPI-Py>

<https://learn.adafruit.com/series/learn-raspberry-pi>

<https://www.raspberrypi.org/documentation/hardware/raspberrypi/spi/README.md>

<https://www.raspberrypi.org/forums/viewtopic.php?t=106313>

Note : Add "dtoverlay=spi-bcm2835" line to "/boot/config.txt"

Explanation given here : <https://github.com/raspberrypi/firmware/tree/master/boot/overlays>

Setting up Display

Follow link to set display resolution properly :

<http://stackoverflow.com/questions/22891235/how-to-change-screen-resolution-of-raspberry-pi>

You can follow everything, except for screen resolution. Let that be 800*480

Install Rpi.GPIO by following adafruits tutorial

Cloning and Installing lthiery/SPI-py from github

Installing mysql on raspberry pi :

<https://www.linode.com/docs/databases/mysql/how-to-install-mysql-on-ubuntu-14-04>

Cloning, Installing and Testing mxgxw/MFRC522-Py from github

Installing MySQLDB

Finally, running krishraghram/RFID

Installing Chromium on Raspbian :

<http://conoroneill.net/running-the-latest-chromium-45-on-debian-jessie-on-your-raspberry-pi-2/>

Install SwitchyOmega Proxy extension

Changing Default Browser to chromium :

<https://wiki.debian.org/HOWTO/DefaultWebBrowser>

Note : Change for all users, since we might run as sudo sometimes.

Installing Chromix

<http://chromix.smbloott.org/>

sudo apt-get install nodejs

sudo apt-get install npm

npm config set proxy http://proxy.company.com:8080

npm config set https-proxy http://proxy.company.com:8080

sudo -E npm install -g chromix

Install Chromi extension on Chromium

Setting up date and time in Rpi(not permanant)

<http://stackoverflow.com/questions/25374570/how-to-update-date-and-time-of-raspberry-pi-without-internet>