

Home Automation Fundamentals

Setting Up for Home Automation Development

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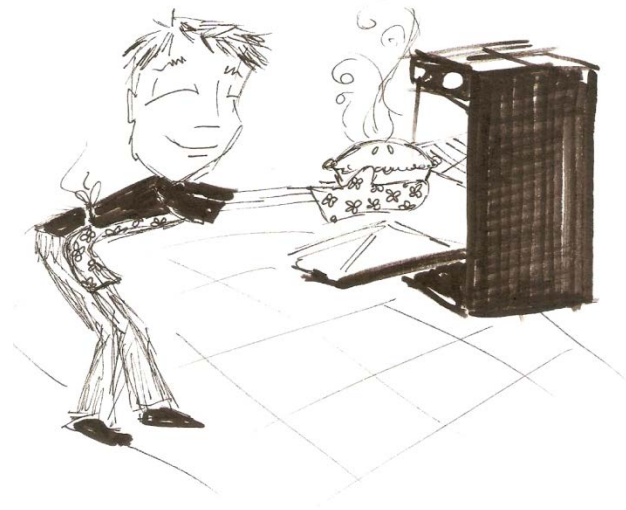
pluralsight 
hardcore developer training

Overview

- Getting Ready to Code on the Pi
- Setting Up the Web Server
- Installing the X10 Driver
- Summary

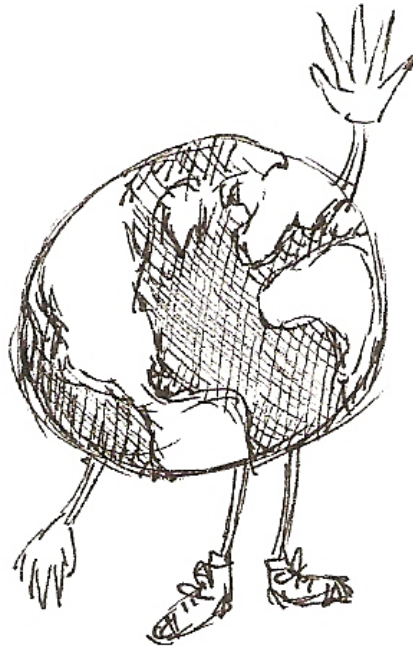
Getting Ready to Code on the Pi

- **Remote Command Line Access:**
 - Enable SSH and make it always enabled
 - Install Putty and access via SSH
- **Easy File Access:**
 - Enable Samba
 - Configure Samba
 - Allow access by name instead of IP
- **Other Options**
 - Windows RDP for the Pi
 - VNC
- **Programming Tools:**
 - Install Python Package Manager
 - Install git



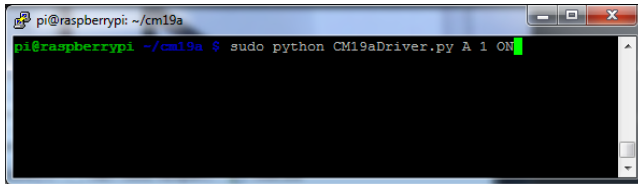
Setting Up the Web Server

- Install webpy framework (<http://webpy.org/install>)
- Serve up hello world!

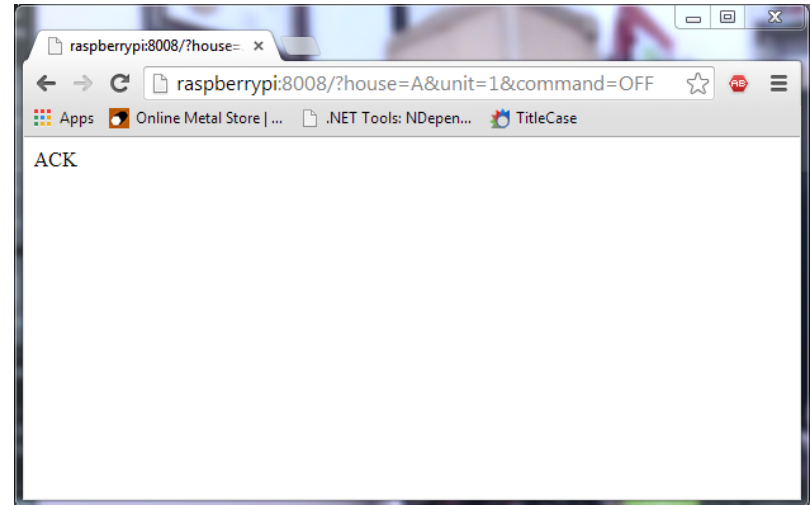


Getting to Know the X10 Driver

- **Command Line Mode** vs. **Web mode**



```
pi@raspberrypi: ~/cm19a
pi@raspberrypi ~/cm19a $ sudo python CM19aDriver.py A 1 ON
```



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- **Getting to Know the X10 Driver**