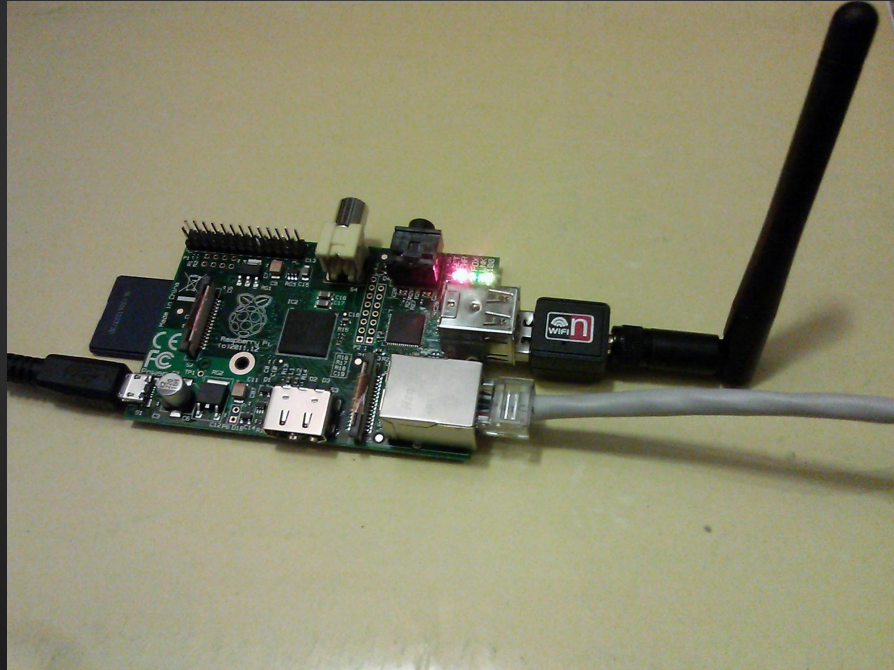


# Raspberry Pi based Wireless Access Point



# Resources

[raspberrypi.org](http://raspberrypi.org) > General RPi specific info

[adafruit.com](http://adafruit.com) > More RPi tips and tricks

[elinux.org](http://elinux.org) > Example instructions

[en.wikipedia.org](http://en.wikipedia.org) > General info about  
networking

[wireless.kernel.org](http://wireless.kernel.org) > Detailed explanation of  
hostapd

# Strategies

Set up DHCP server, with RPi assigned to a static IPv4 address and a range of twenty available addresses for devices on the network. Do this by editing the config files for the server program `udhcpd`.

Secure the network using Wifi Protected Access, WPA, using the `hostapd` program to enable network naming, channel selection and password creation.

# Difficulties

Thorough understanding of `iptables` and Network Address Translation, in order to allow multiple devices to access the internet through the RPi.