

# Make your own Hacker Gadget

Vivek Ramachandran

Chief Trainer

<http://PentesterAcademy.com>

# WiDy: Motivation and Goal

# WiDy



# Motivation



- Custom Box with a Purpose
- Compelling Demos
- use with Social Engineering
- Task Automation

# What are we building?

- Build a Pentest Gadget!
- Runs popular pentest tools – Nmap, Aircrack-NG, Karma, Tcpdump etc.
- Automate pentest tasks

# Is this for me? Difficulty Level?

- Have you ever installed Linux? 😊
- Have you ever installed packages on Linux? 😊
- Have you ever configured an Access Point? 😊

# Design Goal

- Cheap to build ~ \$50
- Off the shelf hardware
- Customizable OS
- Good hardware support – device drivers
- Great package management
- Extensible – both hardware and software
- Scriptable – Python, Ruby, Perl

# Choice of OS - OpenWrt



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BARRIER BREAKER (14.07 RC3)

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- \* 1/2 oz Galliano
  - \* 4 oz cold Coffee
  - \* 1 1/2 oz Dark Rum
  - \* 2 tsp. Creme de Cacao
- Pour all ingredients into an irish coffee mug filled with crushed ice. Stir.
- 

<https://openwrt.org/>

# Hardware Requirements

- Wi-Fi Radio which allows Monitoring and Injection
- USB so we can add more devices e.g. Drives, Wireless cards
- USB powered or built-in Battery

# Platform – TL-MR3020 (\$37)



<http://www.amazon.com/TP-LINK-TL-MR3020-Wireless-Portable-Router/dp/B00634PLTW/>

# Platform – TL-MR3040 (\$35)

\*Built-in Battery



<http://www.amazon.com/TP-LINK-TL-MR3040-Wireless-Portable-Compatible/dp/B0088PPFP4/>

# USB Key (\$10)



Capacity = 8-16GB

# USB WiFi Cards -Optional



# FREE Course

- PDF Slides
- Code Snippets
- Automation Scripts
- Updates and Offers

<http://PentesterAcademy.com/widy>

# Pentester Academy

PentesterAcademy a SecurityTube.net initiative



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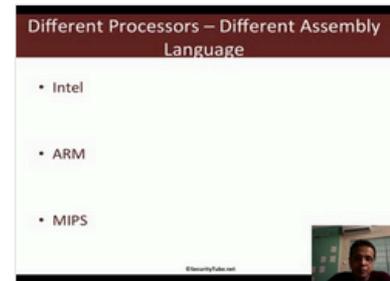
Challenge 7: Cracking Digest Authentication Solution in WAP Challenges



Challenge 7: Cracking Digest Authentication in WAP Challenges



Module 1: GDB Test Solution in x86\_64 Assembly Language and Shellcoding on Linux



Module 1: CPU Information in x86\_64 Assembly Language and Shellcoding on Linux