

A Penetration Testing User Interface For Openwrt Based Dropboxes

Agenda

- Inspirations Behind SWORD
- Design Philosophy
- Development Process
- Key Features
- Demo
- Wrap up

Inspirations behind SWORD

- MiniPwner Project
- Dsploit APP







"It is a small Wireless 3G router installed with Openwrt and network penetration testing tools."



Pros

- On a small 3G router
- Tools
- Wi-Fi Attacks

Cons

- No Interface
- SSH



MiniPwner's Interface

```
192.168.50.1 - PuTTY
 ATTITUDE ADJUSTMENT (bleeding edge, r29423)
  * 1/4 oz Vodka
                      Pour all ingredients into mixing
                     tin with ice, strain into glass.
  * 1/4 oz Gin
  * 1/4 oz Amaretto
  * 1/4 oz Triple sec
  * 1/4 oz Peach schnapps
  * 1/4 oz Sour mix
  * 1 splash Cranberry juice
root@OpenWrt:~# nmap -sS -0 -F 192.168.7.100-110
Starting Nmap 5.51 ( http://nmap.org ) at 2012-01-11 23:04 UTC
Nmap scan report for 192.168.7.104
Host is up (0.079s latency).
All 100 scanned ports on 192.168.7.104 are filtered
MAC Address: 00:1D:FE:EA:21:0D (Palm)
Too many fingerprints match this host to give specific OS details
Network Distance: 1 hop
```



Dsploit.

"DSploit is a penetration testing suite developed for the Android operating system."



Dsploit.

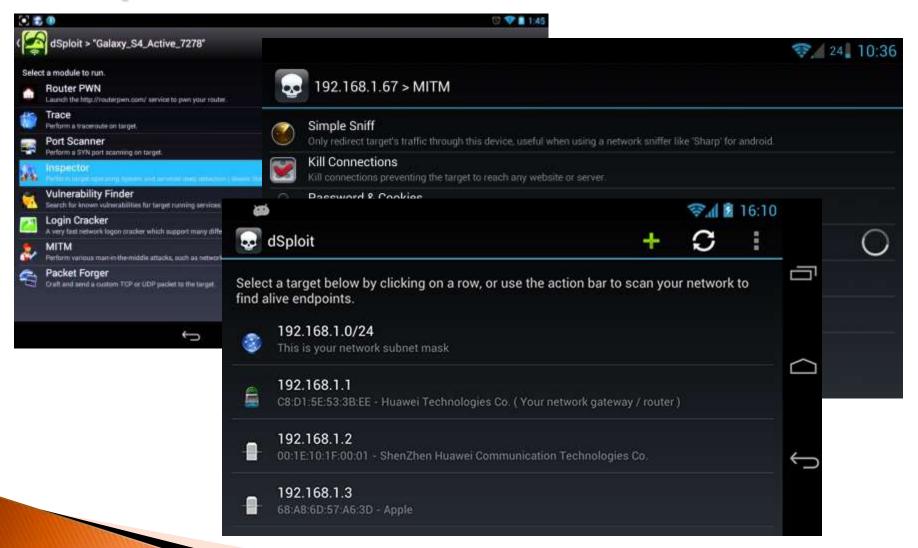
Pros

- User Friendly Interface
- Speed
- Runs on phone

Cons

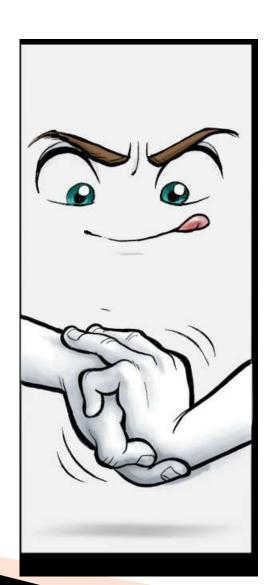
- Limited Tools
- Can't launch Wi-Fi Attacks

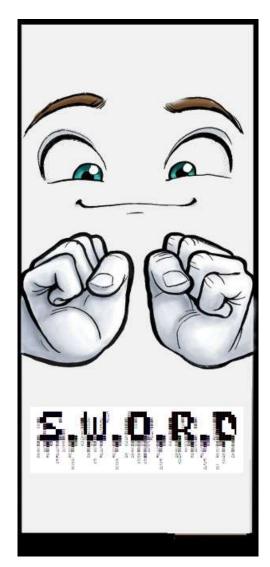
Dsploit's Interface



In a Nutshell







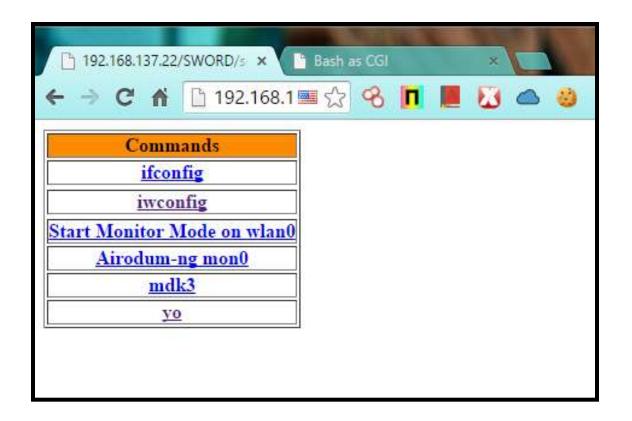
Design Philosophy

- Easy to use
- Speed
- Practical

Hardware Selection



Started with Basics



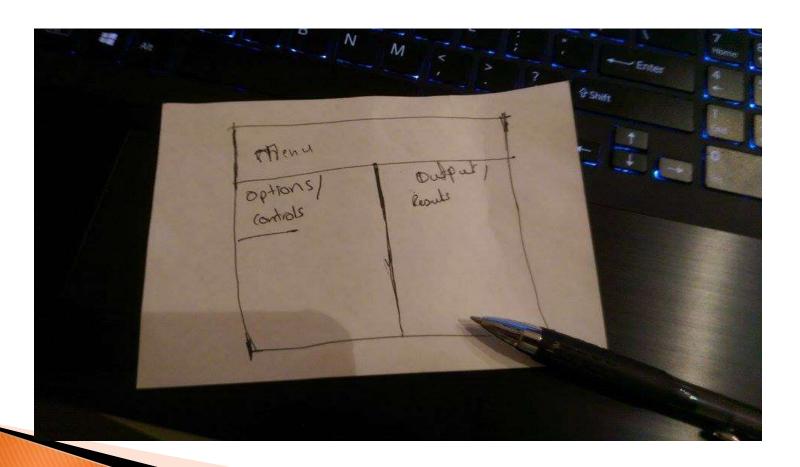
Started with Basics



Scripts

```
1 #!/bin/bash
2 echo "Content-type: text/html"
3 echo ""
4 echo "<html><head><title>ZerObyte's S.W.O.R.D"
5 echo "</title></head><body>"
6 #echo "<h2>Welcome to :</h2>"
7 #echo ""
11 #echo ""
12 echo "<imq src=\"/SWORD/images/SWORD.PNG\">"
13 #echo ""
14 #echo ""
15 echo "<hr>"
16 echo "
17 
18
19  <center><h2>System Information </h2></center>"
20 echo "<hr>"
21 echo "<h3>Memory Info: </h1>"
22 echo "<hr>"
23 echo " $(free -m) "
24 echo "<hr>"
25 echo "<h3>Disk Info:</h1>"
26 echo "<hr>"
  echo " $(df -h) "
  echo "<hr>"
  #echo "<br>"
```

Adding HTML Frames

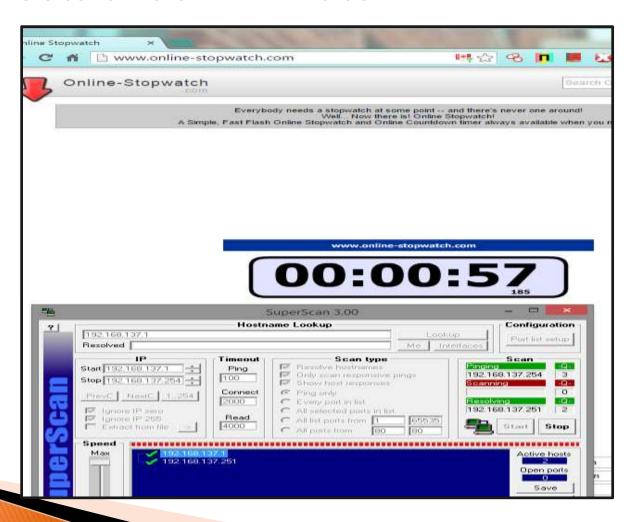


Final Look ©



Key Features

Device Boots under 1 minute.



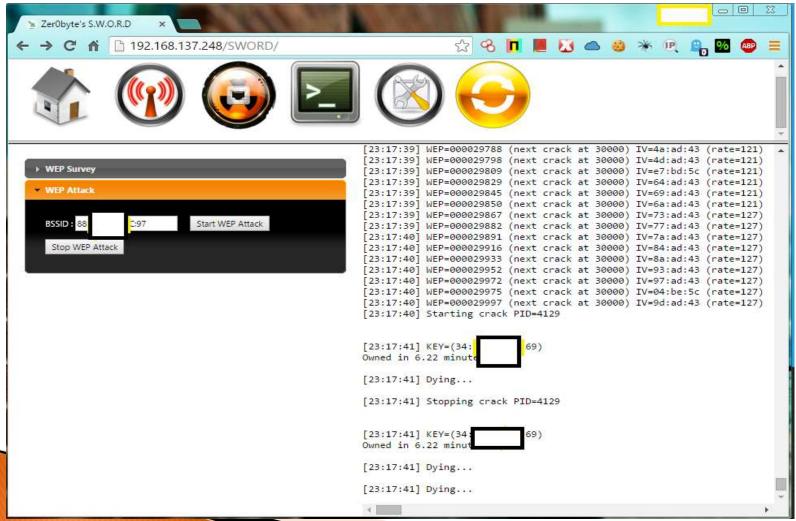
Key Features

Cross Platform Access

- Tablets
- Smart Phones
- Laptop

Key Features

WEP Cracking Made Easy ©



DEMO:















- MDK3
- Reaver



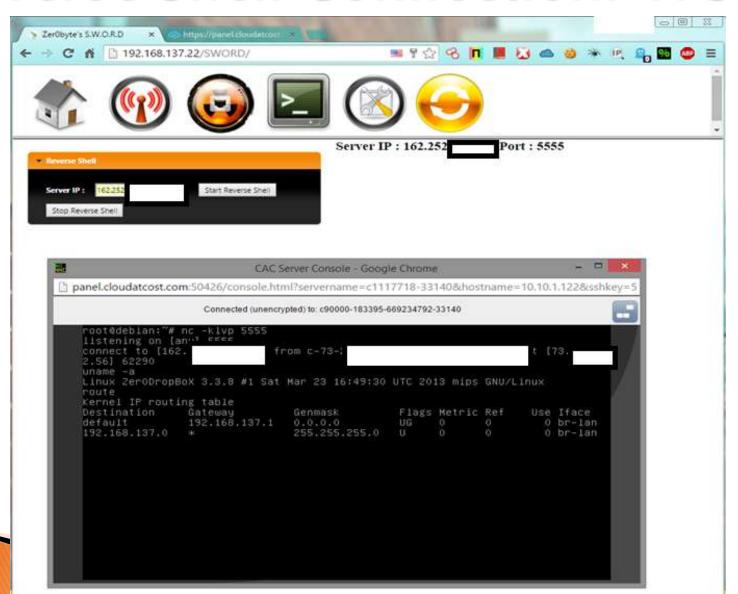






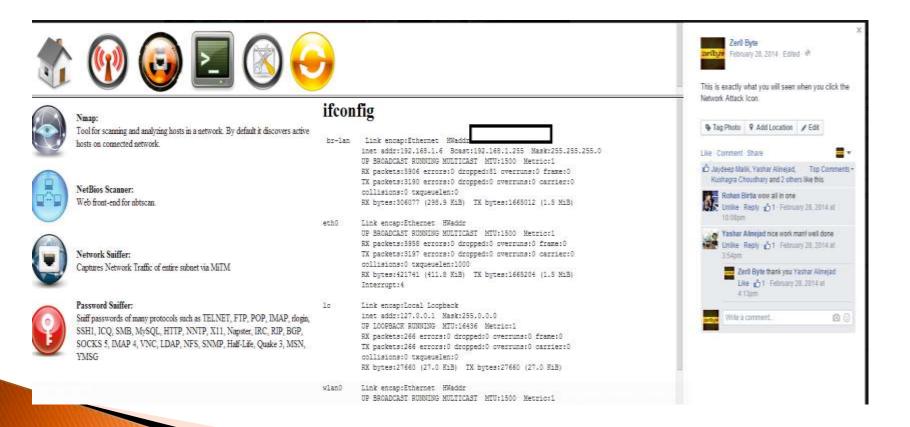
- Reverse shell
- Nmap
- Nbtscan
- Password Sniffer
- Network Sniffer

Reverse Shell Connection: VPS



Wrap Up

Positive Community Feedback



Wrap Up

- Room For Improvement.
- Need To try SWORD on different Hardware.

Questions?

Thank You