



CTF Magic

Speakers: Mark Denihan
David Ryan
Paul McCann

Role:

Honeynet Ireland

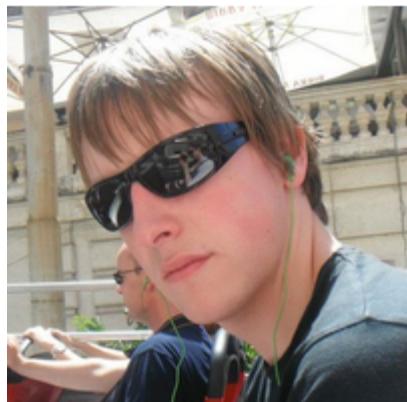
OWASP EU Tour 2013 - Rome
Rome, 27th June 2013

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The OWASP Foundation
<http://www.owasp.org>

Who are we?

Mark Denihan



Paul McCann



David Ryan



=



What is the Honeynet Project?



Username	Password
admin	honey3t12
admin	honey3t@123
admin	honey3t@
admin	honey3t!!!
admin	honey3t.ie123
admin	honey3t.ie111
admin	honey3t.ie!
admin	honey3t.ie1
admin	honey3t.ie12
admin	honey3t.ie@123
admin	honey3t.ie@
admin	honey3t.ie!!!
admin	admin
admin	123456
admin	123456789
admin	password
admin	admin123
admin	1234567
admin	pass
admin	12345
admin	12345678
admin	test
admin	admin1
admin	abc123



What have we done?

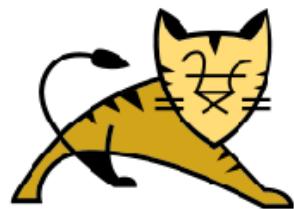
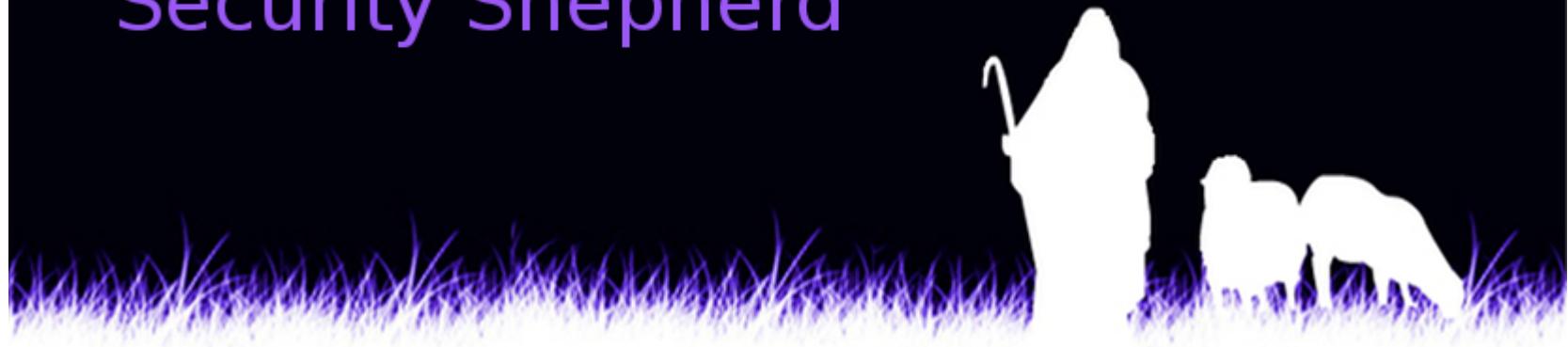


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OWASP Security Shepherd Project

Security Shepherd



Why use OWASP Security Shepherd?



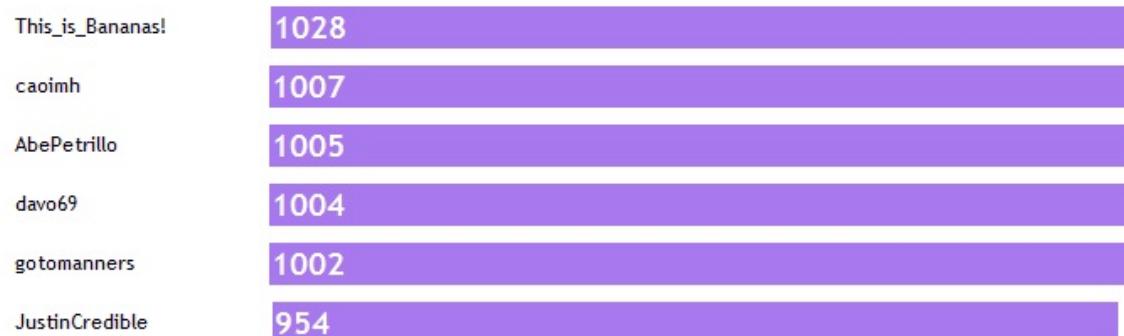
OWASP Security Shepherd as a CTF



Scoreboard

Select the class you would like to show the scoreboard for

12/13 Hackathon ▾



Traditional CTFs

Noobish

Super Fly

Bantom

Weltor

Heavyweight

X Shall we play a game?

X Whaddaya Say?

X Where?

90 points

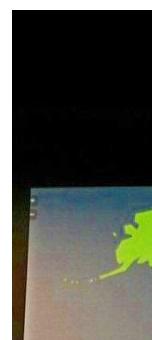
Super Heavyweight

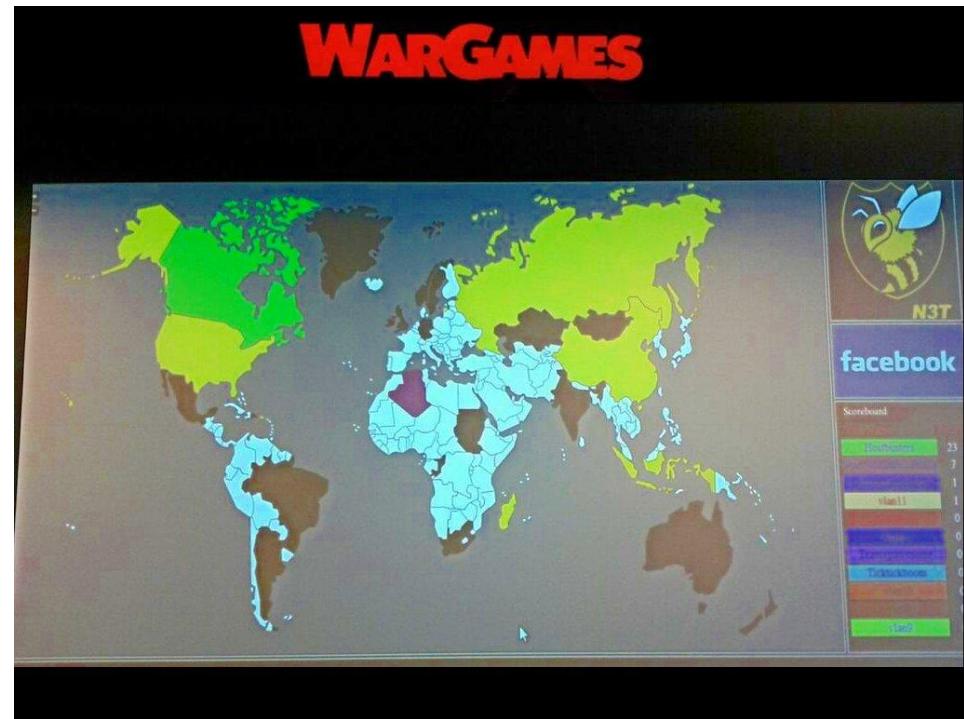
- Various Difficulty
- Mixed Bag of Levels
 - Network Forensics
 - Log Dump Analysis
 - Reverse Engineering
 - Any of the OWASP Top 10
- A Few Walkthroughs...



Wargame CTFs

- As Real to Life as Possible
- Different Skills
- Attack / Defend
- Anything Goes





The Set Up

Hardware

- 2 L3 Switches (1 Spare)
- 3 Servers (1 redundancy)
- 2 Nerds (1 keyboard)

Software

- VMs
- HTTP Poller + Shell script
- SecurityOnion

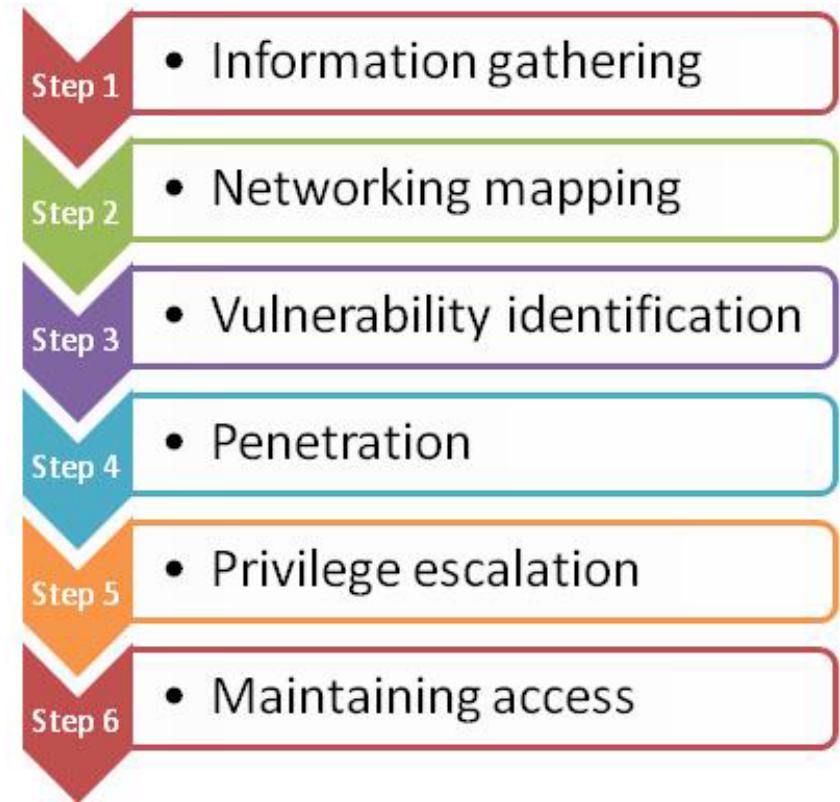
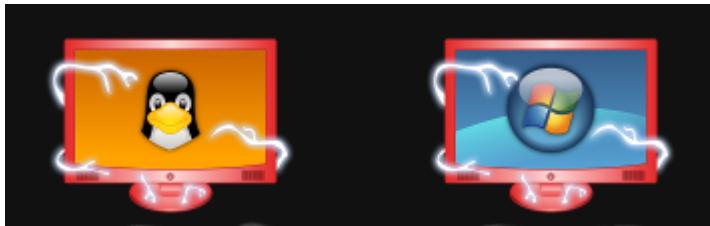
Events: IRISS & Source

8-10 teams of 4



Pwning a Box

- Misconfigured Applications
- Web App Vulnerabilities
- As Simple as...
point and click
- Video...



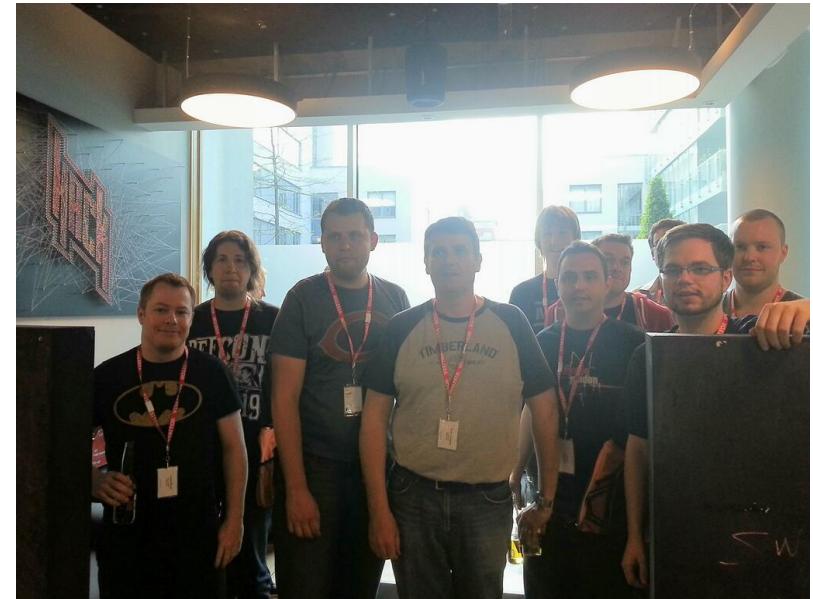
Hardware Arena

- Mobile Phone
- Future Challenges...
 - Arduino
 - Raspberry Pi
 - Quadcopters
 - Vending Machines



Running a CTF - Secrets to a Successful CTF

- No1. Good Team
 - Dedicated Specialists
 - Collaborate
- Time
(9-5, College, Life!)
- Working Tested Platform
 - Security Shepherd
- Strictly Define Rules & Boundaries
- Test
- KEEP IT FUN!



Keep In Mind

- Who is your Target Audience

Technical Setup

- Network Topology
- No wireless, No DHCP
- Separate VLANs for Each Teams
- Monitor and Log everything
- Redundancy - UPS, Spare Hardware, BACK UPS!!!



CTF Benefits

- Increase Knowledge
- Better Reputation
- Job Opportunities
- Cash Prizes



How to Win a CTF

- Create a diverse team with multiple skill sets.
- Set up a private IRC.
- Socially engineer the room.
- Bribe the organisers ;) (We like Alcohol)



The Winner Is



Player	Progress
stor_	777 Points
disti	777 Points
theBro	432 Points
kikujiro	431 Points
clicache	430 Points



The Winner Is



stor_

777 Points

12.14 Days in Total

disti

777 Points

22.23 Days in Total



Contact Us!



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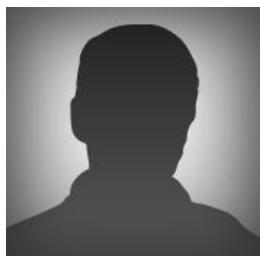
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@ismisepaul



No Online Presence

