HACKERS.MU

UOM CODE WARS

FIVE HOURS OF CODE.
HACK TILL YOU DROP.

Open to all University students: The first edition of UoM Code Wars!
Be trained by Hackers.mu members and contribute to real life open-source projects.

Venue: ETB LAB, Engineering Tower, UoM
Date: 21 September 2017

POWERED BY:

mauritius telecom

Poster by Kifah

WHOIS

SCENARIO

- RC4 has been declared insecure.
- You have been tasked by hackers.mu to audit every piece of software.
- Find and patch the vulnerabilities.

kitkatko.deviantart.com - kitkatsaregoodforyou.tumblr.com

BABY STEPS

COURSE OF ACTION(COA)

- Suggestions?

SCENARIO

- RC4 has been declared insecure.
- You have been tasked by hackers.mu to audit every piece of software.
- Find and patch the vulnerabilities.

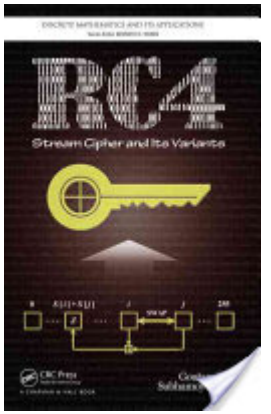
COURSE OF ACTION

- Know your enemy – RC4
- Know your tools – Check
- Seek and Destroy – Software
- ‘IP99’ certified – RC4-proof

Know your enemy - RC4

- What is RC4?
- How is it vulnerable?
- Attacks on RC4?

Know your enemy – RC4



- **RC4**: A stream cipher.
- **Aliases**: ARCFOUR,ARC4
- **Vulnerabilities?** Output keystream is not discarded, non-random or related keys are used
- **Practical attacks?** WEP attacks

Know your tools

- GNU/Linux
- GNU Make
- C

WireShark

GIT

Seek n Destroy

- Mission 1 : Lynx

"IP99" Certified

- RC4-Proof

You're the Hero!

- You saved the day!
- Your code is used by millions