Setting Up An Infosec Lab 101

Don't Be A Skid!

DEF CON
DC 0471
TRIVANDRUM

29th September, 2018

[root@defcon0x02:~] #whoami

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Contents

- Introduction
- Why setup a lab?
- What will you need?
- Quick Demo
- Easter Eggs ;)

Intro

- We want to become security researchers (*Cough*H4Ck0r$:P *Cough*) (Hack The Pentagon!)

- Some of us "know how" to hack but ….

- Many don't "understand how" it works :(

- I've screwed up an interview :-/

Why setup a lab?

But Y? But Y?

- Learn by doing!. There is no other better way :) (You can't fake it till you make it!)

- Try out new things (No one is going to stop you)

- High probability of breaking things (Your employer wouldn't be pleased if it happened in a production network!)

- Be curious. Lets see how things work under the hood

What will you need?

Hardware

- Intel i3 or i5 (Not necessary in every situation. Core2Duo would work too)

- RAM : 4GB

- Active Internet Connection (Optional)

Software

- Hypervisor
- VitualBox or Vmware Player(Windows/Linux)
- Vmware Fusion (MacOS)
- VM images (Depends on what you are planning to do)
- Windows (Server 2012/2016, 10, 8.1,7)
- Linux (Kali Linux /Parrot OS, Debian, Ubuntu etc)
- *BSD

Hey where could I get them?

- Here are the links :) (Bare with me. I don't like really long links :P)

- Windows server : https://bit.ly/2dotPuJ

- Kali Linux : https://bit.ly/2Nfgjti

- Vulnhub : https://bit.ly/2dOJ7Dr

- Parrot : https://bit.ly/2OFThcP

- FreeBSD : https://bit.ly/1NrSk3e

- VirtualBox : https://bit.ly/1nlDA5d

- Others : https://bit.ly/2vAgRP8

Demo Time!

Oh Demo Gods! Please be kind

What next?

- Choose your domain (Infosec is HUGE)

- Don't try to be the "know it all" guy

- Be the "learn that one thing really well" guy

- There is always something more to learn! :)

- Try Docker!

- If you get stuck :

  - 1.Google

  - 2. If Google didn't work JUST ASK OTHERS

- Happy Hacking

  #HackThePlanet #AskTheGibbons!

Easter Eggs :D

- Its DefCon Group Meetup !

- Who doesn't like surprises and gifts

- I've had hidden a Easter egg for you in the slides

- Follow the White Rabbit!

- No Winners or Losers

- Hop on and start egg hunting :D

Questions?

```
if no questions:
        print "Thank You :)"
else :
        print "Oh god here we go again!"
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