Keynote: Day 2

DiverSecCon

About Myself

13+ years of corporate experience

15+ years of teaching experience

AndroidTamer

Codevigilant

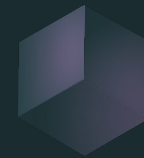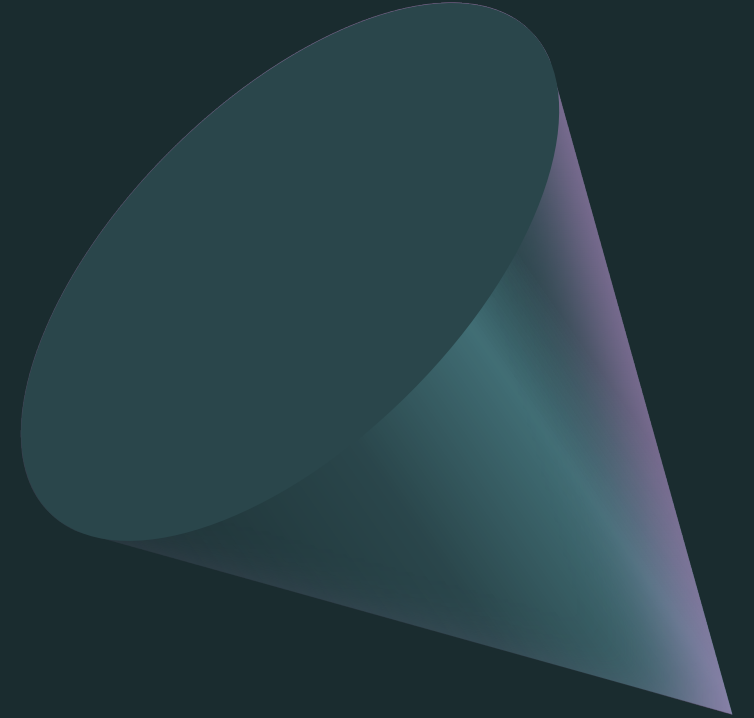Hacking Archives of India

@anantshri

My 2Paisa's on Infosec World

Anant Shrivastava

Infosec != Hacking

Hacking: Its passion not profession

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                    ==Phrack Inc.==

          Volume One, Issue 7, Phile 3 of 10

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The following was written shortly after my arrest...

              \/\The Conscience of a Hacker/\/

                           by

                    +++The Mentor+++

               Written on January 8, 1986
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        Another one got caught today, it's all over the papers.  "Teenager
Arrested in Computer Crime Scandal", "Hacker Arrested after Bank Tampering"...
        Damn kids.  They're all alike.

        But did you, in your three-piece psychology and 1950's technobrain,
ever take a look behind the eyes of the hacker?  Did you ever wonder what
made him tick, what forces shaped him, what may have molded him?
        I am a hacker, enter my world...
        Mine is a world that begins with school... I'm smarter than most of
the other kids, this crap they teach us bores me...
        Damn underachiever.  They're all alike.

        I'm in junior high or high school.  I've listened to teachers explain
for the fifteenth time how to reduce a fraction.  I understand it.  "No, Ms.
Smith, I didn't show my work.  I did it in my head..."
        Damn kid.  Probably copied it.  They're all alike.

        I made a discovery today.  I found a computer.  Wait a second, this is
cool.  It does what I want it to.  If it makes a mistake, it's because I
screwed it up.  Not because it doesn't like me...
                    Or feels threatened by me...
                    Or thinks I'm a smart ass...
                    Or doesn't like teaching and shouldn't be here...
        Damn kid.  All he does is play games.  They're all alike.

        And then it happened... a door opened to a world... rushing through
the phone line like heroin through an addict's veins, an electronic pulse is
sent out, a refuge from the day-to-day incompetencies is sought... a board is
found.
        "This is it... this is where I belong..."
        I know everyone here... even if I've never met them, never talked to
them, may never hear from them again... I know you all...
        Damn kid.  Tying up the phone line again.  They're all alike...
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- Hacking is not about money or regulation or saving corporate environment

- Hacking is about the rush we get when we do something that is not expected

- Reference: http://phrack.org/issues/7/3.html#article

Infosec Industry

- Infosec is an important part of business operations and is getting prominence now

- Entire infosec industry is just a subset of a long list of stuff business need to operate

- Especially offense is most loud but miniscule part

- Be an enabler not blocker

- Create allies not alienate people

Refer: https://www.keirstenbrager.tech/security-is-not-just-hacking/

Infosec Industry

- People are here to make money and not just for passion

- 9 to 5 Job is a ground reality

- You want people on cutting edge pay them to upskill

- Don't Just glamorize offense, give defense credit that they need

Hire for work not fancies

- Its good to have passion not necessary

- Stop looking for passion if you are going to ask them to run tools only

- Relook what are you making people do and hire for that role

- Stop asking what have you done outside work

- Those who might not have public work to show might have done more then anyone else

Post Covid-19 World

Employers

- Focus on diversifying not just on gender or skillset but also on location

- Hire from 2nd or 3rd tier city

- Stop asking for current salary and doing the % calculation

- Implement remote first policies

Employees

- Whole world is your oyster

- If local companies are not paying apply outside

- Demand remote work

- Demand sane work hours

Attacker: Dig deep but don't forget the old

- Learn the new emerging technologies
  - Cloud
  - Using AI / ML for your work
  - Blockchain / web3
- But Don't forget the old
  - Windows AD on premise
  - PHP is still serving more then 30-40% of visible internet
  - IBM Still sells Mainframes


https://xkcd.com/2176/
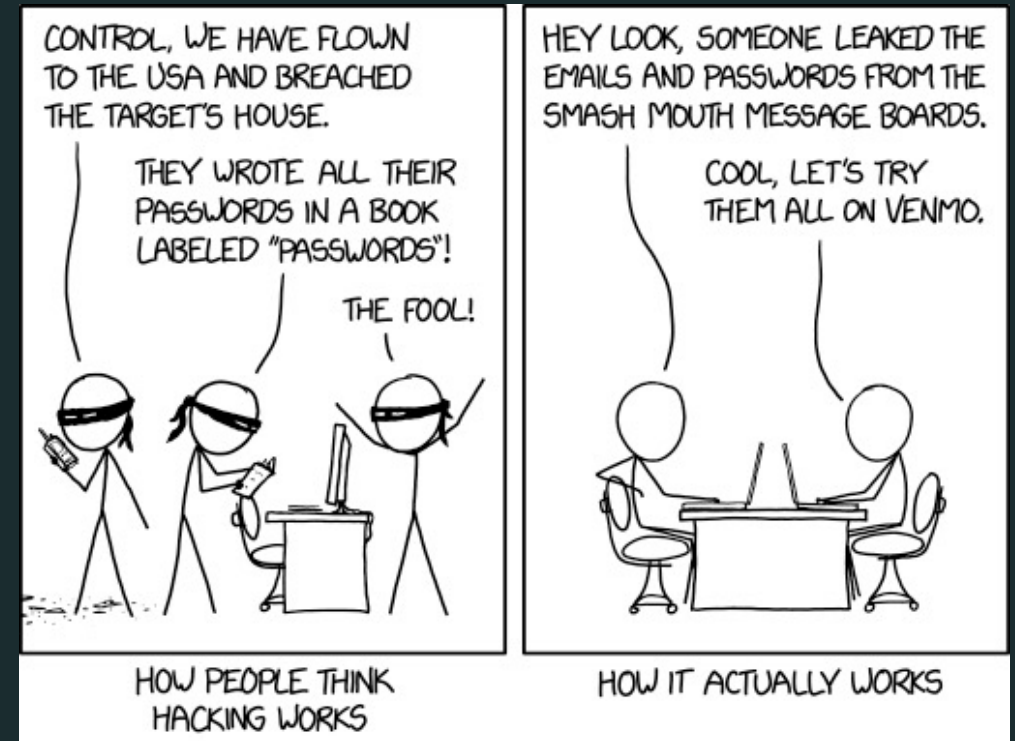
Defenders Assemble

- Defenders need to focus energy and work together

- Orgs sponsor defense tools and support public collaboration

- Appreciate the firefighters but also appreciate those who don't let the fire start

- Take care of yourself : It's a never-ending war don't focus on the battle only

- Focus on detection and containment

- Assume breach will happen: what happens after, that makes the difference
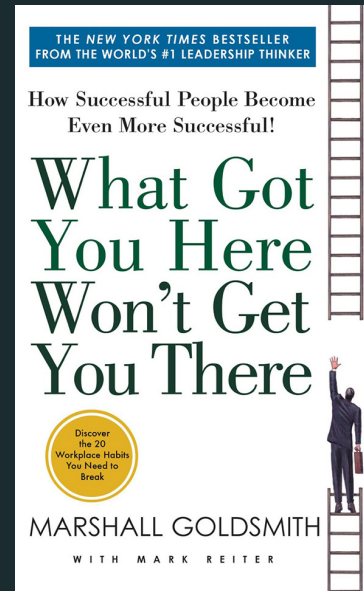
Refer: https://medium.com/@johnlatwc/the-githubification-of-infosec-afbdbfaad1d1R
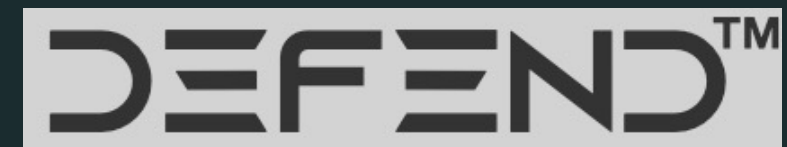
Standing on Shoulders of Giants

- Amanda Rousseau: BH USA 2019

- HalvarFlake BH Asia 2017

- Haroon Meer BH Europe 2016

- Saumil Shah's : Nullcon 2014

- Null Community

- Garage4Hackers

- and many more communities and individuals whom I have interacted with