Your New 5 Year Plan!

Ok, so five is just a made up number. Most people are more likely to click on articles with simple numbers in them. Think of all the Cracked and Buzzfeed articles that have easy to digest numbers in the title. This is kind of like that. Yes, I know it is a marketing ploy. And, to be honest, I feel bad about it. I just want you to know that I know it is a bit weird. Please, please do not hold this against me. If you have been coming to these things for a while, you know that I try to stay away from things like this.

Ok.. I lied. I put five in the title simply so I could write this up at the beginning of the presentation. It is kind of a meta-meta joke that I am pretty sure is only funny to myself. But that is kind of the point. The first thing you need to do is find a way to enjoy things. Yes, that will entail doing odd things that only you and possibly one other person in the whole world will get. For example, I like to tell jokes about James Joyce. No one gets them. And, the people who would don't find them funny at all. That does not stop me. Are you still reading this? Wow.. Bet you regret it. I am starting to feel a bit bad about this joke.

Security Weekly

My Background

- College
- Accenture
- Northrup Grumman
- SANS
- BHIS

What Kickstarted It All?

Year One

- Focus on core concepts
  - Windows
  - Linux
  - Networking
  - Python

- Also start looking at security standards
  - CIS
  - NIST 800 documents
  - Most of this is worthless
  - But, people will ask questions

CIS Benchmarks Examples:

ubuntu   Windows   iOS

Download Free CIS Benchmark PDFs:

Select Platform ▼   Download ‑‑‑›

Windows TechNet Evaluation

TechNet Evaluation Center

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My Evaluations

Explore
Watch on-demand: Exclusive business application insights--including Dynamics 365, LinkedIn, and Power BI—with CEO Satya Nadella

Explore
DevOps in real life. Geek out over DevOps technical case studies, complete with value stream maps, architectural diagrams, and code.

Explore
Join us for our upcoming Windows Server Security AMA in the Tech Community on August 8 at 9AM PT!

My Experiences ∨ | My Actions ∨ | My Profile ∨
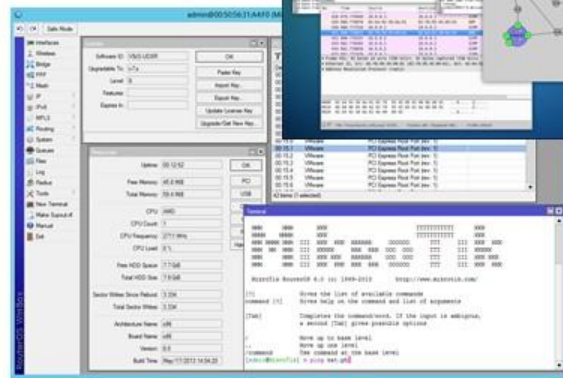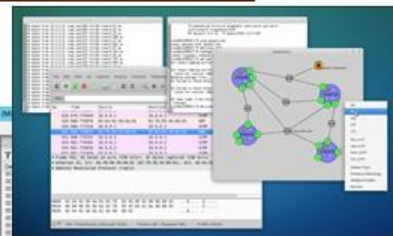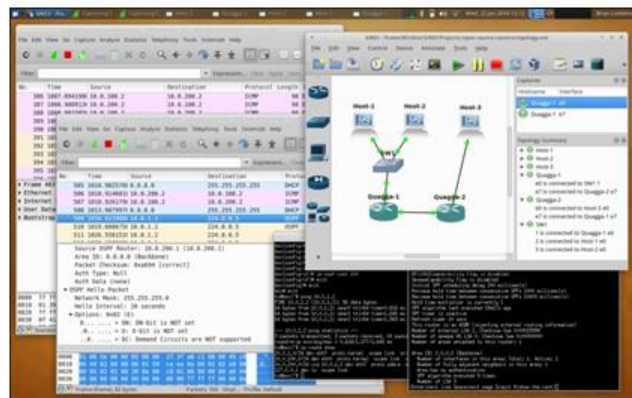
Evaluations

Virtual Labs

Tech Journeys

Networking

- First, get your stuff at home to work

- Know what it is doing

- Next, get some simulators
  - http://www.brianlinkletter.com/open-source-network-simulators/

- Finally, get some gear
  - Old Cisco on ebay
  - MikroTik is cheep and very powerful
  - Full crazy router for ~ $60
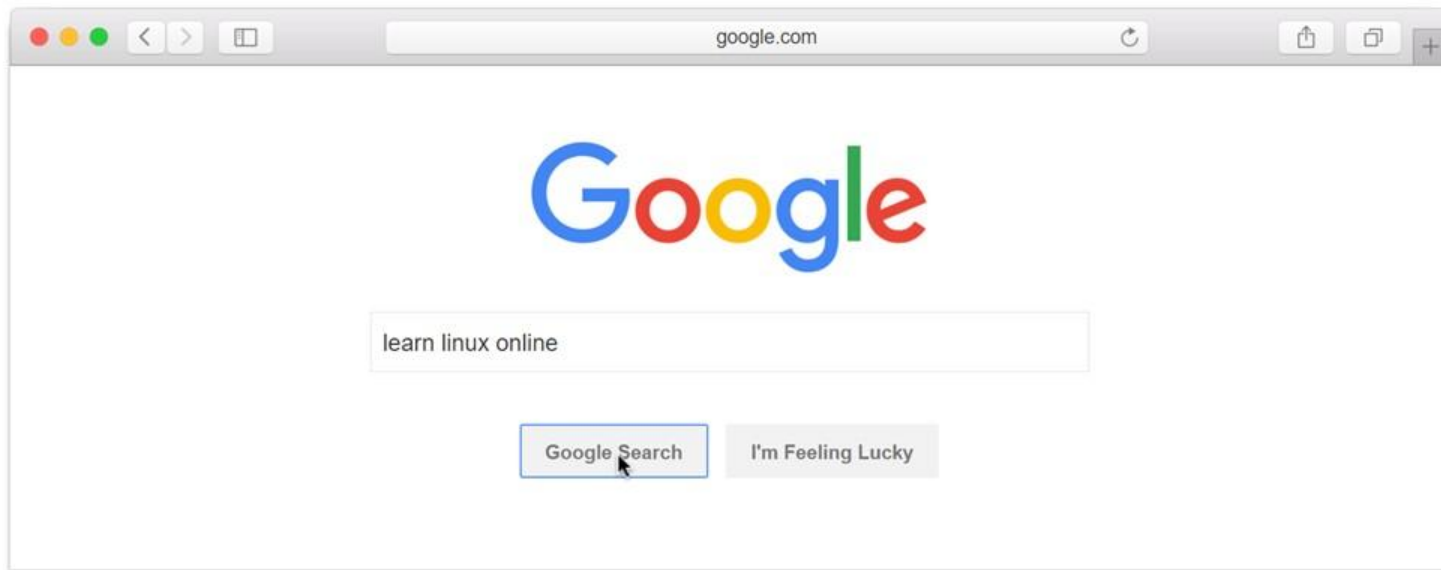
Linux – Install Everything... From Scratch

Step 1
Visit google.com

Step 2
Type your question.

Step 3
Click the button.

That's it!

google.com

Google

learn linux online

Google Search   I'm Feeling Lucky

The above is an illustration for educational purposes.

Let's Be A bit More Specific...

- Learn bash scripting
- There are other shells
- Bash is the only one that matters
- Anyone who tells you otherwise is not someone you want to hang with in parties
- They are also not your friend

The Linux Command Line: A Complete Introduction Jan 11, 2012
by William E. Shotts Jr.
Paperback
$29⁴³ $39.95 ✓prime
Usually ships in 1 to 3 weeks
More Buying Choices
$18.79 (39 used & new offers)

★★★★½ ▾ 307
Trade in yours for an Amazon Gift Card up to $10.72

Kindle Edition
$30⁹⁹

Linux Command Line and Shell Scripting Bible Jan 6, 2015
by Richard Blum and Christine Bresnahan
Kindle Edition
$26²⁹

★★★★½ ▾ 66

Paperback
$11⁰⁷ to rent ✓prime
$27⁶⁷ to buy ✓prime
More Buying Choices
$20.91 (62 used & new offers)

Shell Programming and Bash Scripting: Ultimate Beginners Guide Book Nov 10, 2016
by Robert Collins
Kindle Edition
$0.00 kindleunlimited
Read this and over 1 million books with Kindle Unlimited.

★★★★☆ ▾ 3

$2⁹⁹ to buy
Paperback
$12³³ ✓prime
Get it by Thursday, Aug 10
More Buying Choices

Learn Python Online

Year Two

- Time to start projects
- It is possible you started some already
- That is fine
- You should also start the following:
  - Start a security group
    - At work
    - At school
  - Start learning PowerShell
    - This is going to take a while
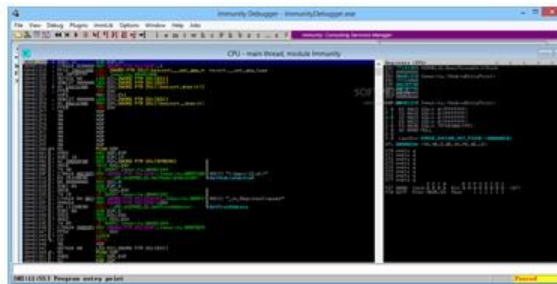- Keep up on security news

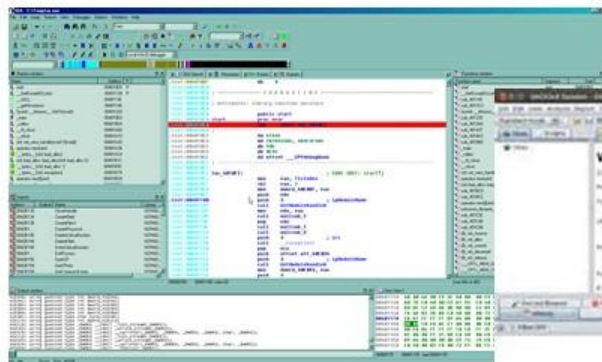# And... Henry Rollins...

Year Three

- The year of web apps
- Start with PHP and ASP.NET
  - Don't get distracted with other crap just yet
- Feel free to branch out to networked iOS and Android Apps
- But develop something
- Learn to code badly
  - Trust me.. You will suck.

Year Four

- Time to start hacking stuff
- Learn IDA and Immunity Debugger
- Pick a protocol
- Understand that protocol
- Hit online challenges
- I know you would have played with Metasploit the whole time...
- ZAP from OWASP

DEBUGGER

SANS Ultimate Pentest Poster

- https://www.sans.org/security-resources/posters/pen-testing

Year Five... Present.

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In Closing

- Feel free to do the following….
  - Indulge in distractions
  - Stick to my plan
  - Ignore my plan
  - Develop your own plan
  - Get good at just one thing
  - Get a degree
  - Don't get a degree
  - Get certifications
  - Don't get certified

- Do not do the following….
  - Sink into video games
  - Waste you time going after epic Pokémon
  - Binge watch shows on Netflix
  - Use Bing for anything
  - Just barely learn Metasploit to impress women/men
  - Spend more time on the hacker "look" than learning
  - Get angry
  - Blame others