# Cybersecurity Education Guide (2019)

by
The Zerotrust (Security Community)

UCSD CYSEC
Resource Guide
Summer 2019

Do you swear to uphold the principles of our Order
and all that for which we stand?

To never share our secrets nor divulge the true nature
of our work?

Che nessuno recordi il tuo nome.
("May no-one remember your name.”)

Guide Outline

Best DOS Attacks and Free DOS Attacking Tools
https://resources.infosecinstitute.com/dos-attacks-free-dos-attacking-tools/#gref

Metasploit
https://github.com/rapid7/metasploit-framework/wiki/Nightly-Installers
https://windows.metasploit.com/metasploitframework-latest.msi

Metasploitable vulnerable VM
http://downloads.metasploit.com/data/metasploitable/metasploitable-linux-2.0.0.zip
Metasploitable: 2 – Walkthrough
https://resources.infosecinstitute.com/metasploitable-2-walkthrough/
https://github.com/rapid7/metasploitable3

Top 21 Computer Forensics tools
https://resources.infosecinstitute.com/computer-forensics-tools/

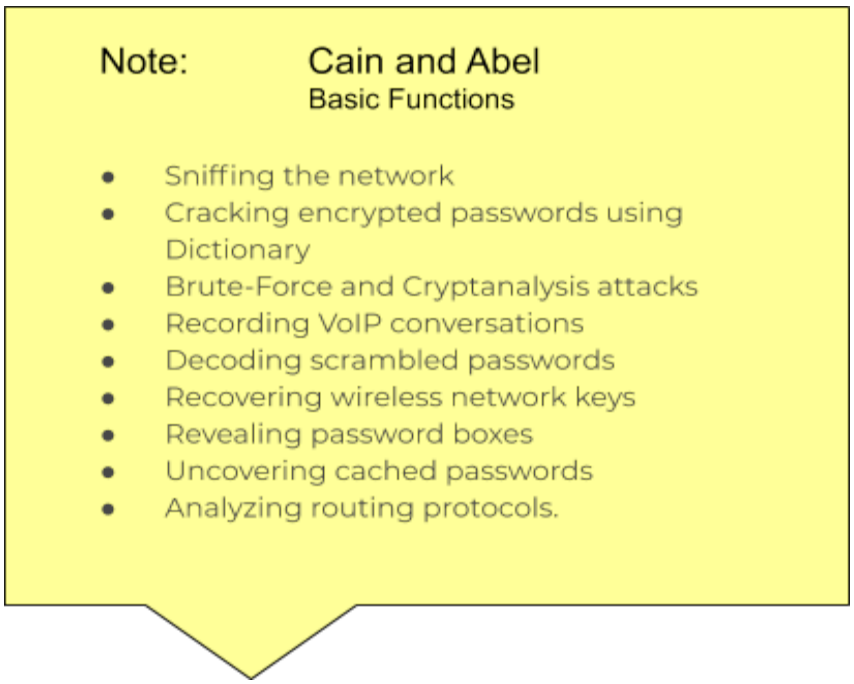
Packet Crafting Tools
https://resources.infosecinstitute.com/15-best-free-packet-crafting-tools/

Test Sites

Test Site
CrackMeBank Investments
http://zero.webappsecurity.com
acublog news
acuforum forums
Home of Acunetix Art
Altoro Mutual
NT OBJECTives

Pentest Bookmarks
https://code.google.com/archive/p/pentest-bookmarks/downloads

OWASP Mantra Browser
https://resources.infosecinstitute.com/mantra-browser-walkthrough-part-1/
https://resources.infosecinstitute.com/information-gathering-mantra-browser-walkthrough-part-2/




Brute Force Attack tools
https://resources.infosecinstitute.com/popular-tools-for-brute-force-attacks/Open

Source SQL Injection Tools
https://resources.infosecinstitute.com/best-free-and-open-source-sql-injection-tools/

Open Source Web Application Vulnerability Scanners
https://resources.infosecinstitute.com/14-popular-web-application-vulnerability-scanners/

burp-suite-walkthrough
https://resources.infosecinstitute.com/burp-suite-walkthrough/

Google Chrome Penetration Testing extensions
https://resources.infosecinstitute.com/19-extensions-to-turn-google-chrome-into-penetration-testing-tool/

Firefox Penetration Testing extensions
https://resources.infosecinstitute.com/use-firefox-browser-as-a-penetration-testing-tool-with-these-add-ons/

Types of Pen Testing
https://resources.infosecinstitute.com/the-types-of-penetration-testing/

Labs and exercise files [use fake info xmail@fake.com]
https://www2.infosecinstitute.com/l/12882/2013-12-17/78gmt

Hacking an Android Device with MSFvenom
https://resources.infosecinstitute.com/lab-hacking-an-android-device-with-msfvenom/

PHP Email Injection
https://resources.infosecinstitute.com/email-injection/

Wireless Hacking Tools
https://resources.infosecinstitute.com/13-popular-wireless-hacking-tools/

Nmap Evade Firewall & Scripting
https://resources.infosecinstitute.com/nmap-evade-firewall-scripting/
Nmap Cheat Sheet
https://resources.infosecinstitute.com/nmap-cheat-sheet/
Nmap from Beginner to Advanced
https://resources.infosecinstitute.com/nmap/

Hacking communities in the Deep Web [For reference: We do not encourage membership]
https://resources.infosecinstitute.com/hacking-communities-in-the-deep-web/

Hacking Web Authentication
https://resources.infosecinstitute.com/authentication-hacking-pt1/
|
https://resources.infosecinstitute.com/hacking-web-authentication-part-2/

Tools and Resources to Prepare for a Hacker CTF
https://resources.infosecinstitute.com/tools-of-trade-and-resources-to-prepare-in-a-hacker-ctf-competition-or-challenge/

CTF Walkthroughs
https://resources.infosecinstitute.com/node-1-ctf-walkthrough/
https://resources.infosecinstitute.com/hack-the-box-htb-machines-walkthrough-series-october/

The Fundamentals of Bug Bounty
https://resources.infosecinstitute.com/getting-paid-for-breaking-things-the-fundamentals-of-bug-bounty/

Creating an Undetectable Custom SSH Backdoor in Python
https://resources.infosecinstitute.com/creating-undetectable-custom-ssh-backdoor-python-z/

Layer Seven DDoS Attacks
https://resources.infosecinstitute.com/layer-seven-ddos-attacks/

ICMP Attacks
https://resources.infosecinstitute.com/icmp-attacks/

DUMPING A COMPLETE DATABASE USING SQL INJECTION
https://resources.infosecinstitute.com/dumping-a-database-using-sql-injection/

Open Source Threat Intelligence Tools & Techniques
https://resources.infosecinstitute.com/open-source-threat-intelligence-tools-techniques/

DNS Hacking
https://resources.infosecinstitute.com/dns-hacking/

How email spoofing works
https://searchsecurity.techtarget.com/definition/email-spoofing

Pivoting to Exploit a System in Another Network
https://resources.infosecinstitute.com/pivoting-exploit-system-another-network/

Automating Windows Privilege Escalation
https://resources.infosecinstitute.com/automating-windows-privilege-escalation/

Bypassing CSRF Protections for Fun and Profit
https://resources.infosecinstitute.com/bypassing-csrf-protections-fun-profit/

Remoting With PowerShell
https://resources.infosecinstitute.com/powershell-for-pentesters-part-5-remoting-with-powershell/

SQL injection cheat sheet
https://resources.infosecinstitute.com/sql-injection-cheat-sheet/

Free HTTPS Certificate Generator
https://resources.infosecinstitute.com/letsencrypt-the-free-https-certificate-generator-product-overview/

Website Hacking 101[7 part]
https://resources.infosecinstitute.com/website-hacking-101/
|
https://resources.infosecinstitute.com/website-hacking-part-v/#article

Proxy Chaining
https://resources.infosecinstitute.com/proxy-chaining/

Covering Tracks of Attacks
https://resources.infosecinstitute.com/covering-tracks-of-attacks/