

Cyber Security Resources

Prerequisites

Before Starting anything else make sure you cover the basics for networking:

Basics of Networking:

1. OSI network model. TCP/IP model
2. Subnetting IP addresses.
3. Types of IP addresses and their classification
4. DNS
5. Reverse proxy / Forward proxy.
6. TCP/IP
7. HTTP vs HTTPS and HTTP v1.1 vs HTTP 2.0
8. Types of Request (GET/POST/TRACE/HEAD/PUT/DELETE/OPTIONS)

NOTE: Do not move ahead until and unless you have completed the above module.

Web Penetration Testing :

Online Resources

1. Hacker101: <https://www.hacker101.com>
2. Bugcrowd University: <https://www.bugcrowd.com/hackers/bugcrowd-university/>
3. Hacking Articles: <https://www.hackingarticles.in>
4. Portswiggers Research Academy: <https://portswigger.net/web-security>
5. Bugcrowd's Github: https://github.com/bugcrowd/bugcrowd_university
6. Nahamsec's resources: <https://github.com/nahamsec/Resources-for-Beginner-Bug-Bounty-Hunters>
7. Its Little Things by Nahamsec: https://docs.google.com/presentation/d/1xgvEScGZ_ukNY0rmfKz1JN0sn-CgZY_rTp2B_SZvijk/edit#slide=id.g4052c4692d_0_0
8. ZSeano's Barker : <https://bugbountyhunter.com>
9. The Cyber Mentor: <https://www.youtube.com/c/TheCyberMentor/videos>
10. Offensive Security Labs: <https://portal.offensive-security.com/sign-in>
11. INE Pentesting Prerequisites <https://my.ine.com/CyberSecurity/courses/309de2a5/penetration-testing-prerequisites>
12. INE Pentesting Basics <https://my.ine.com/CyberSecurity/courses/6f986ca5/penetration-testing-basics>
13. <https://gowthams.gitbook.io/bughunter-handbook/>
14. The Bug Hunter's Methodology by Jhaddix: <https://github.com/jhaddix/tbhm>

Youtuber's to follow

1. Nahamsec : <https://www.youtube.com/c/Nahamsec>
2. STOK: <https://www.youtube.com/c/STOKfredrik/videos>
3. insiderPHD: <https://www.youtube.com/c/InsiderPhD>
4. HackerSploit: <https://youtube.com/c/HackerSploit>
5. Tib3rius: <https://www.youtube.com/channel/UCs6dtu4e0JL-N4hVsZsFpBw>
6. The XSS RAT: <https://www.youtube.com/c/TheXSSrat>
7. NULL BYTE: <https://www.youtube.com/c/NullByteWHT>

Books to be read

1. Real World Bug Hunting by Peter Yaworski
2. The Web Applications Hackers Handbook 2nd edition
3. Web Hacking 101
4. Bug Bounty Playbook
5. Zseano's Methodology

Some Courses:

1. The Cyber Mentor's Course: <https://www.udemy.com/course/practical-ethical-hacking/>
2. Tib3rius's Privilege Escalation Courses for Win/Linux <https://www.udemy.com/user/tib3rius/>

Practice Web Penetration Testing

1. OWASP BWA: <https://owasp.org/www-project-broken-web-applications/>
2. Portswinger's Labs: <https://portswigger.net/web-security>
3. Metasploitable: <https://information.rapid7.com/download-metasploitable-2017.html>

Tools to start your bug hunting with

1. Nahamsec's Script: <https://github.com/nahamsec/bbht.git>
2. Awesome BBHT: <https://github.com/0xApt/awesome-bbht>
3. Portswigger's Burpsuite: <https://portswigger.net/burp>

Mind Maps

1. <https://github.com/imran-parray/Mind-Maps>
2. <https://pentester.land/cheatsheets/2019/03/25/compilation-of-recon-workflows.html>
3. <https://hacktify.in/mindmap.png>
4. <https://twitter.com/ITSecurityguard/status/1306278129531486208/photo/1>
5. <https://twitter.com/Musab1995/status/1317071523946127361>

One Liner Collections

1. <https://github.com/dwiswant0/awesome-oneliner-bugbounty>
2. <https://github.com/OfJAAH/KingOfBugBountyTips>

Awesome Bug Bounty Writeups

1. Business Logic Vulns : <https://medium.com/bugbountywriteup/all-about-business-logic-flaws-in-web-applications-577d9d80bc33>
2. SSRF Automation : <https://notifybugme.medium.com/finding-ssrf-by-full-automation-7d2680091d68>
3. JavaScript Recon : <https://gist.github.com/m4ll0k/31ce0505270e0a022410a50c8b6311ff>
4. Github For Bug Bounty Hunters : <https://gist.github.com/EdOverflow/922549f610b258f459b219a32f92d10b>
5. Windows/Linux Privilege Escalation : <https://github.com/sagishahar/lpeworkshop>

CTF's

1. CTFLearn : <https://ctflearn.com>
2. CTFTime : <https://ctftime.org> (All About CTF's)

Machine Solving

Online Resources

1. Hack The Box: <https://www.hackthebox.eu/>
2. TryHackMe: <https://tryhackme.com>
3. Hacking Articles: <https://www.hackingarticles.in>
4. Pentester's Labs: <https://pentesterlab.com>
5. VulnHub: <https://www.vulnhub.com>
6. Over the Wire: <https://overthewire.org/wargames/>
7. Reverse Shell Cheat Sheet: <http://pentestmonkey.net/cheat-sheet/shells/reverse-shell-cheat-sheet>

Youtuber's to follow

1. Ippsec: <https://www.youtube.com/c/ippsec/videos>

Learn Linux

Online Resources

1. Linux Journey: <https://linuxjourney.com>

Courses

1. Introduction to Linux: <https://www.edx.org/course/introduction-to-linux>
2. Linux for Network Engineers: <https://www.udemy.com/course/linux-for-network-engineers-practical-linux-with-gns3/learn/lecture/8124916?start=0#overview>

Note: Do not pay for any courses, find the alternatives.