

Cyber Security Roadmap

Prep. by Muhammad Abdur Raafay (21-se-09)

Week 1- Basic Computer Networks and Protocols, configuration and subnetting

Topic	Resource Link
Working of Internet	https://www.youtube.com/watch?v=zN8YNNHcaZc
TCP/IP protocol	https://www.youtube.com/watch?v=CRdL1PcherM&t=3s
Overview of DNS, DHCP, Client/Server Architecture, Remote Tools, TCP/UDP, OSI Model, and more	https://www.udemy.com/course/free-complete-beginner-course-technical-support- overview/learn/lecture/23712004#overview
Subnetting in Computer Networks	https://www.youtube.com/playlist?list=PLIhvc56v63IKrRHh3gvZZBAGvsvOhwrRF

Week 2 - Basic Security Definitions and Knowledge Building

Topic	Resource Link
Security+ Playlist by Professor Messer	https://www.youtube.com/watch?v=9NE33fpQuw8&list=PLG49S3nxzAnkL2ulFS3132mOVKuzzBxA8

Week 3 – Introduction to Operating Systems and Kali Linux

Topic	Resource Link
How Do Operating Systems Work?	https://www.youtube.com/watch?v=GjNp0bBrjmU
What is OS	https://www.youtube.com/watch?v=ACsLvXuaKxw&pp=ygUQb3BlcmF0aW5nIH5c3RlbQ%3D%3D
Kali Linux Tutorial For 2022	https://www.youtube.com/watch?v=sW0IQRI5nEE
Top 10 Hacking Tools (Kali Linux)	https://www.youtube.com/watch?v=4yxct0Fz2So

Week 4 - Introduction to Practical Ethical Hacking

Topic	Resource Link
Wireshark Master Class	https://www.youtube.com/watch?v=OU-A2EmVrKQ&list=PLW8bTPfXNGdC5Co0VnBK1yVzAwSSphzpj
NMAP tutorial	https://www.youtube.com/watch?v=VnIK8QkR0aE&list=PLjVLYmrlmjGeyJZPg7hjcHLrgRUtXW-f6
Metasploit tutorial	https://www.youtube.com/watch?v=8IR27r8Y_ik&list=PLBf0hzazHTGN31ZPTzBbk70bohTYT7HS_m
Host Discovery & Vulnerability Scanning with Nessus:	https://www.youtube.com/watch?v=TA1rCRyHRsM

Week 5 - Web Security

Topic	Resource Link
Compete Playlist on Web Security	https://www.youtube.com/playlist?list=PL1y1iaEtjSYiiSGVIL1cHsXN_kvJO0hu-

Week 6 - Open-Source Intelligence

Topic	Resource Link
The Complete OSINT (Open-Source Intelligence) Training	https://www.udemy.com/course/osint- open-source-intelligence-training/
Phishing attacks	https://www.youtube.com/watch?v=u9dBGWVwMMA&pp=ygUPcGhpc2hpbmcgYXR0YWNR

Week 7 – Advanced Concepts and Live Training

Topic	Resource Link
Advanced Web Penetration Testing	Live Demonstration
Phishing Attack	Live Demonstration
Active Directory Hacking	Live Demonstration
