



Ethical Hacking for Professionals (EHP)
A Professional Course on Cyber Security in Bangla by Byte Capsule.



Instructor: Sakib Haque Zisan
Engineer, Instructor, Pentester.

Week 01

Introduction

Class 01 Introduction
Class 02 How to maintain classes

Setting up our Lab

Class 03 Installation guideline of Linux

Week 02

OS Fundamentals

Class 04 Introduction to Linux
Class 05 Exploring Kali Linux
Class 06 Sudo Overview
Class 07 Navigating the File System
Class 08 Users and Privileges
Class 09 Common Network Commands

Week 03

Class 10 View, Create and Edit Files
Class 11 Installing and Updating Tools
Class 12 Scripting with Bash

Test 01

Week 04

Footprinting for Ethical Hacking

Class 13 Passive Recon (Reconnaissance Overview)
Class 14 Identifying our Target
Class 15 Gathering Breached Credentials with Breach-Parse
Class 16 Hunting Breached Credentials with DeHashed
Class 17 Hunting Subdomains Part 1
Class 18 Hunting Subdomains Part 2
Class 19 Identifying Website Technologies
Class 20 Information Gathering with Burp Suite



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Week 05

Class 21 Google Fu
Class 22 Utilizing Social Media
Class 23 OSINT Fundamentals

Test 02

Week 06

Scanning & Enumeration

Class 24 Scanning with Nmap
Class 25 Enumerating HTTP and HTTPS Part 1
Class 26 Enumerating HTTP and HTTPS Part 2
Class 27 Enumerating SMB
Class 28 Enumerating SSH
Class 29 Researching Potential Vulnerabilities

Week 07

Vulnerability Scanning with Nessus

Class 30 Scanning with Nessus Part 1
Class 31 Scanning with Nessus Part 2

Exploitation Basics

Class 32 Reverse Shells vs Bind Shells
Class 33 Staged vs Non-Staged Payloads
Class 34 Gaining Root with Metasploit
Class 35 Manual Exploitation
Class 36 Brute Force Attacks
Class 37 Credential Stuffing and Password Spraying

Test 03

Week 08

Introduction to Exploit Development (Buffer Overflows)

Class 38 Required Installations
Class 39 Buffer Overflows Explained
Class 40 Spiking



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Class 41 Fuzzing
Class 42 Finding the Offset
Class 43 Overwriting the EIP
Class 44 Finding Bad Characters
Class 45 Finding the Right Module

Week 09

Class 46 Exploit Development Using Python3 and Mona

Active Directory Overview

Class 47 Active Directory Overview (AD Overview)
Class 48 Physical Active Directory Components
Class 49 Generating Shellcode and Gaining Root
Class 50 Logical Active Directory Components

Test 04

Week 10

Active Directory Lab Build

Class 51 Lab Overview and Requirements
Class 52 Downloading Necessary ISOs
Class 53 Setting Up the Domain Controllers
Class 54 Setting Up the User Machines
Class 55 Setting Up Users, Groups, and Policies
Class 56 Joining Our Machines to the Domain
Class 57 Lab Build - (Cloud Alternative)

Week 11

Attacking Active Directory: Initial Attack Vectors

Class 58 Introduction
Class 59 LLMNR Poisoning Overview
Class 60 Capturing NTLMv2 Hashes with Responder
Class 61 Password Cracking with Hashcat
Class 62 LLMNR Poisoning Defense
Class 63 SMB Relay Attacks Overview



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Week 12

Class 64 Quick Lab Update
Class 65 Discovering Hosts with SMB Signing Disabled
Class 66 SMB Relay Attack Demonstration Part 1
Class 67 SMB Relay Attack Demonstration Part 2

Class 68 SMB Relay Attack Defenses
Class 69 Gaining Shell Access
Class 70 IPv6 Attacks Overview

Week 13

Class 71 Installing mitm6
Class 72 Setting Up LDAPS
Class 73 IPv6 DNS Takeover via mitm6
Class 74 IPv6 Attack Defenses
Class 75 Passback Attacks
Class 76 Other Attack Vectors and Strategies

Week 14

Attacking Active Directory: Post-Compromise Enumeration

Class 77 Introduction
Class 78 PowerView Overview
Class 79 Domain Enumeration with PowerView
Class 80 Bloodhound Overview and Setup
Class 81 Grabbing Data with Invoke-Bloodhound
Class 82 Enumerating Domain Data with Bloodhound

Test 05

Week 15

Attacking Active Directory: Post-Compromise Attacks

Class 83 Introduction
Class 84 Pass the Hash / Password Overview
Class 85 Installing crackmapexec
Class 86 Pass the Password Attacks
Class 87 Dumping Hashes with secretsdump.py
Class 88 Cracking NTLM Hashes with Hashcat



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week 16

Class 89 Pass the Hash Attacks
Class 90 Pass Attack Mitigations
Class 91 Token Impersonation Overview
Class 92 Token Impersonation with Incognito
Class 93 Token Impersonation Mitigation
Class 94 Kerberoasting Overview
Class 95 Kerberoasting Walkthrough

Week 17

Class 96 Kerberoasting Mitigation
Class 97 GPP / cPassword Attacks Overview
Class 98 Abusing GPP: Part 1
Class 99 Abusing GPP: Part 2
Class 100 URL File Attacks
Class 101 PrintNightmare (CVE-2021-1675) Walkthrough

Week 18

Class 102 Mimikatz Overview
Class 103 Credential Dumping with Mimikatz
Class 104 Golden Ticket Attacks
Class 105 Conclusion and Additional Resources

Additional Active Directory Attacks

Class 106 Abusing ZeroLogon

Test 06

Week 19

Post Exploitation

Class 107 Introduction
Class 108 File Transfers Review
Class 109 Maintaining Access Overview
Class 110 Pivoting Lab Setup
Class 111 Pivoting Walkthrough
Class 112 Cleaning Up



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Week 20

- Class 113 Web Application Enumeration, Revisited
- Class 114 Introduction
- Class 115 Installing Go
- Class 116 Finding Subdomains with Assetfinder
- Class 117 Finding Subdomains with Amass
- Class 118 Finding Alive Domains with Httpprobe
- Class 119 Screenshotting Websites with GoWitness
- Class 120 Automating the Enumeration Process
- Class 121 Additional Resources

Week 21

Testing the Top 10 Web Application Vulnerabilities

- Class 122 Introduction
- Class 123 The OWASP Top 10 and OWASP Testing Checklist
- Class 124 Installing OWASP Juice Shop
- Class 125 Installing Foxy Proxy
- Class 126 Exploring Burp Suite
- Class 127 Introducing the Score Board
- Class 128 SQL Injection Attacks Overview
- Class 129 SQL Injection Walkthrough
- Class 130 SQL Injection Defenses

Week 22

- Class 131 Broken Authentication Overview and Defenses
- Class 132 Testing for Broken Authentication
- Class 133 Sensitive Data Exposure Overview and Defenses
- Class 134 Testing for Sensitive Data Exposure
- Class 135 XML External Entities (XXE) Overview
- Class 136 XXE Attack and Defense

Week 23

- Class 137 Broken Access Control Overview
- Class 138 Broken Access Control Walkthrough
- Class 139 Security Misconfiguration Attacks and Defenses
- Class 140 Cross-Site Scripting (XSS) Overview
- Class 141 Reflected XSS Walkthrough
- Class 142 Stored XSS Walkthrough
- Class 143 Preventing XSS
- Class 144 Insecure Deserialization



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Class 145 Using Components with Known Vulnerabilities
Class 146 Insufficient Logging and Monitoring

Test 07

Week 24

Advance Wireless Penetration Testing

Class 147 Wireless Penetration Testing Overview
Class 148 WPA PS2 Exploit Walkthrough

Legal Documents and Report Writing

Class 149 Common Legal Documents
Class 150 Pentest Report Writing
Class 151 Reviewing a Real Pentest Report

Week 25

Career Advice & Next Move!!

Final Test

Registration Link: <https://bytecapsuleit.com/courses/ehp>

For any query knock to <https://t.me/AnonBBD>

Happy Learning, Stay Safe, Stay Secure