

WebAmooz Web Application Penetration Test (WWAPT)

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1. Introduction

- 1.1. The Web Servers
- 1.2. The Meaning of Web Application
- 1.3. Development of Web Applications
- 1.4. Web Application Security

2. HTTP Protocol

- 2.1. Internet Based Services, World Wide Web
- 2.2. URLs and Schemes
- 2.3. HTTP
- 2.4. HTTP Packets
- 2.5. HTTP Methods
- 2.6. Comparison of HTTP Methods
- 2.7. Status Codes
- 2.8. Headers
- 2.9. Accessing Virtual Hosts
- 2.10. Deeper in HTTP Packet
- 2.11. Being Stateless, Important Issue
- 2.12. HTTPS
- 2.13. Sending a HTTP Request
 - 2.13.1. cURL Program (Hands on Lab)
 - 2.13.2. PHP Language (Hands on Lab)
 - 2.13.3. Python Language (Hands on Lab)

3. Web Application Architecture

- 3.1. Transmitting Data via the Client
- 3.2. HTTP Cookies and Sessions
- 3.3. Difference between Cookies and Sessions
- 3.4. Deeper in Cookies and Sessions

- 3.5. URL Parameters
- 3.6. URL Encodings
- 3.7. HTML Forms Encoding Types
- 3.8. JavaScript
- 3.9. Intercepting Web Requests
 - 3.9.1. Burp Suite (Hands on Lab)
- 3.10. Workflow - Sending Encoded Data
- 3.11. Workflow – Uploading a File
- 3.12. Setting Up a Laboratory (Hand on Lab)
 - 3.12.1. Installing Apache, PHP and MySQL (Hands on Lab)
 - 3.12.2. PHP and Apache Configurations (Hands on Lab)
 - 3.12.3. Virtual Host Configurations (Hands on Lab)
 - 3.12.4. Tracking Sessions in the Server (Hands on Lab)
 - 3.12.5. Installing DVWA (Hands on Lab)
- 3.13. Solving <https://root-me.org> Challenges (Hands on Lab)
 - 3.13.1. HTML - Disabled Buttons (Hands on Lab)
 - 3.13.2. JavaScript – Authentication (Hands on Lab)
 - 3.13.3. JavaScript - Authentication 2 (Hands on Lab)
 - 3.13.4. JavaScript - Obfuscation 1 (Hands on Lab)
 - 3.13.5. JavaScript - Obfuscation 2 (Hands on Lab)
- 3.14. Solving Sharif's 8th CTF Web Question – Photoshare (Hands on Lab)