

CERTIFIED INFORMATION SECURITY EXPERT L-2 WEB APPLICATIONS

1. WEB ARCHITECTURES

- Introduction
- Basic Web Architecture
- Web Architecture Extensibility
- Other Transfer Protocols
- Other Open Standards

2. WEB APPLICATION INTRODUCTION

- Web Applications
- Servlets
- Page lists
- Web Modules
- Security Constraints
- File Serving

3. PHP-Basics

- Environment
- Syntax Overview
- Variable Types
- Decision Making
- Loop Types
- Arrays
- Strings
- GET and POST Methods
- File Inclusion
- PHP Files& I/O
- PHP & MySql
- PHP & AJAX
- PHP & XML

4. SESSIONS & COOKIES

- Sessions
- Cookies

5. XSS SESSIONS

- Types of XSS Attacks
- Prevent XSS Attacks

6. ADVANCED SQLI

- Checking SQL Injection Vulnerability
- Blind Injection
- Encoding Attacks
- Blacklist Approach

7. CROSS SITE REQUEST FORGERY

- Login CSRF

8. SESSION HIJACKING

- Methods
- Tools
- Preventions
- Exploits

9. WEB BASED DDOS ATTACKS

10. COOKIE POISONING

- Stealing the cookie
- Tools

11. Web Script (PHP)Injection

- LFI
- RFI

12. WEB BASED WORMS

13. FLASH BASED ATTACKS

14. I-FRAME BASED WEB ATTACKS

- Attacks
- Countermeasures

15. CLICKJACKING

- Likejacking
- Cursorjacking

16. ATTACK FRAME WORKS/ATTACK API&BeEF

17. PENETRATION TESTING ON DVWA

18. HONEYTOKENS

19. OWASP Top 10

20. METASPLOIT AND WEB APPLICATION

21. PHP CURL

22. AUTOMATED BOTS

23. PHISHING 2.0

24. BRUTE FORCING WEB APPLICATIONS

- Attack
- Testing for Brute Force
- THS Hydraa
- Fireforce

25. COMPLIANCE METHODOLOGIES AND LEGALITIES

- Ethics
- NDA

26. CAPTURE THE FLAG EXERCISE

27. SUMMARY