EXP-301 - WINDOWS USER MODE EXPLOIT DEVELOPMENT (WUMED/OSED)

Course Code: 840107

OffSec EXP-301 – Windows User Mode Exploit Development

OffSec's Windows User-Mode Exploit Development (EXP-301) 5-days course provides a comprehensive understanding of modern exploit development techniques. Learners gain hands-on experience crafting custom exploits and bypassing security defenses in an environment designed to elevate their skills in ethical hacking and vulnerability discovery.

Successful completion of the training course and passing the associated exam earns the OffSec Exploit Developer (OSED) certification. This certification validates expertise in advanced exploit development techniques, including reverse engineering, writing shellcode, and bypassing modern mitigations, making certified professionals invaluable for identifying and addressing vulnerabilities in software applications.

What You'll Learn

Upon completing EXP-301 and passing the OSED exam, you'll have mastered exploit development skills, including:

- In-depth vulnerability analysis and exploitation in Windows user-mode applications
- Custom exploit development for stack, heap, and integer overflows, as well as format string and use-after-free vulnerabilities
- Bypassing modern Windows security mitigations like DEP, ASLR, and CFG
- Writing reliable shellcode from scratch
- Reverse engineering to uncover vulnerabilities

Who Needs to Attend

The EXP-301 course is ideal for individuals with a solid foundation in penetration testing and programming who are seeking to master exploit development techniques, ultimately earning the OSED certification.

Prerequisites

While there are no formal prerequisites, a strong understanding of C programming, assembly language, operating system internals (Windows), and debugging tools (such as WinDbg and Immunity Debugger) is highly recommended.

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.