

GlobalNet Training

SCNP Boot Camp Course Outline

Lesson 1: Cryptography and Data Security

- Topic 1A: History of Cryptography
- Topic 1B: Math and Algorithms
- Topic 1C: Private Key Exchange
- Topic 1D: Public Key Exchange
- Topic 1E: Message Authentication

Lesson 2: Hardening Linux Computers

- Topic 2A: Linux Filesystem and Navigation
- Topic 2B: General Secure System Management
- Topic 2C: User and Filesystem Security Administration
- Topic 2D: Network Interface Configuration
- Topic 2E: Security Scripting
- Topic 2F: Useful Linux Security Tools

Lesson 3: Hardening Windows Server 2003

- Topic 3A: Windows 2003 Infrastructure Security
- Topic 3B: Windows 2003 Authentication
- Topic 3C: Windows 2003 Security Configuration Tools
- Topic 3D: Windows 2003 Resource Security
- Topic 3E: Windows 2003 Auditing and Logging
- Topic 3F: Windows 2003 EFS
- Topic 3G: Windows 2003 Network Security

Lesson 4: Ethical Hacking Techniques

- Topic 4A: Network Reconnaissance
- Topic 4B: Mapping the Network
- Topic 4C: Sweeping the Network
- Topic 4D: Scanning the Network
- Topic 4E: Vulnerability Scanning
- Topic 4F: Viruses, Worms, and Trojan Horses
- Topic 4G: Gaining Control Over the System
- Topic 4H: Recording Keystrokes
- Topic 4I: Cracking Encrypted Passwords
- Topic 4J: Revealing Hidden Passwords
- Topic 4K: Social Engineering
- Topic 4L: Gaining Unauthorized Access
- Topic 4M: Hiding Evidence of an Attack
- Topic 4N: Performing a Denial of Service

Lesson 5: Security on the Internet and the WWW

Topic 5A: Describing the Major Components of the Internet

Topic 5B: Securing DNS Services

Topic 5C: Describing Web Hacking Techniques

Topic 5D: Describing Methods Used to Attack Users

Lesson 6: Performing a Risk Analysis

Topic 6A: Concepts of Risk Analysis

Topic 6B: Methods of Risk Analysis

Topic 6C: The Process of Risk Analysis

Topic 6D: Techniques to Minimize Risk

Topic 6E: Continuous Risk Assessment

Lesson 7: Creating a Security Policy

Topic 7A: Concepts of Security Policies

Topic 7B: Policy Design

Topic 7C: Policy Contents

Topic 7D: An Example Policy

Topic 7E: Incident Handling and Escalation Procedures

Topic 7F: Partner Policies

Lesson 8: Analyzing Packet Signatures

Topic 8A: Signature Analysis

Topic 8B: Common Vulnerabilities and Exposures (CVE)

Topic 8C: Signatures

Topic 8D: Normal Traffic Signatures

Topic 8E: Abnormal Traffic Signatures