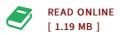# Principles of Computer Security Lab Manual, Fourth Edition (Paperback)

By Vincent J. Nestler, Keith Harrison, Matthew P. Hirsch

McGraw-Hill Education - Europe, United States, 2014. Paperback. Condition: New. 4th edition. Language: English . Brand New Book. Practice the Computer Security Skills You Need to Succeed!40+ lab exercises challenge you to solve problems based on realistic case studiesStep-by-step scenarios require you to think criticallyLab analysis tests measure your understanding of lab resultsKey term quizzes help build your vocabularyLabs can be performed on a Windows, Linux, or Mac platform with the use of virtual machinesIn this Lab Manual, you ll practiceConfiguring workstation network connectivityAnalyzing network communicationEstablishing secure network application communication using TCP/IP protocolsPenetration testing with Nmap, metasploit, password cracking, Cobalt Strike, and other toolsDefending against network application attacks, including SQL injection, web browser exploits, and email attacksCombatting Trojans, man-in-the-middle attacks, and steganographyHardening a host computer, using antivirus applications, and configuring firewallsSecuring network communications with encryption, secure shell (SSH), secure copy (SCP), certificates, SSL, and IPsecPreparing for and detecting attacksBacking up and restoring dataHandling digital forensics and incident responseInstructor resources available:This lab manual supplements the textbook Principles of Computer Security, Fourth Edition, which is available separatelyVirtual machine filesSolutions to the labs are not included in the book and are only available to adopting instructors.

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