Hands On Information Security Lab Manual 3rd Edition

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the hands on information security lab manual allows users to apply the basics of their introductory security knowledge in a hands on environment with detailed exercises using windows 2000 xp and linux this non certification based lab manual includes coverage of scanning os vulnerability analysis and resolution firewalls security maintenance forensics and more a full version of the software needed to complete these projects is included on a cd with every text so instructors can effortlessly set up and run labs to correspond with their classes the hands on information security lab manual is

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this book focuses on a wide range of innovations related to cybersecurity education which include curriculum development faculty and professional development laboratory enhancements community outreach and student learning the book includes topics such as network security biometric security data security operating systems security security countermeasures database security cloud computing security industrial control and embedded systems security cryptography and hardware and supply chain security the book introduces the concepts techniques methods approaches and trends needed by cybersecurity specialists and educators for keeping current their security knowledge further it provides a glimpse of future directions where cybersecurity techniques policies applications and theories are headed the book is a rich collection of carefully selected and reviewed manuscripts written by diverse cybersecurity experts in the listed fields and edited by prominent cybersecurity researchers and specialists

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designed for easy learning this text is broken into three sections security auditing and implementation students will fully understand how to implement database security on modern business databases using practical scenarios and step by step examples throughout the text each chapter ends with exercises and a hands on project to reinforce and showcase the topics learned the final chapter of the book allows the students to apply their knowledge in a presentation of four real world cases using security and auditing

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