

Fundamentals Of Information Systems Security Lab

Manual

Physical Access Control 4753ff63d1 Change Control Procedures 4753ff63d1 The Security Policy Environment 4753ff63d1 Security Awareness Training 4753ff63d1 Physical Security 4753ff63d1 Operating System Fingerprinting 4753ff63d1 Static Systems 4753ff63d1 Institute of Electrical and Electronics Engineers (IEEE) • Is an international nonprofit organization that focuses on developing and distributing standards that relate to electricity and electronics Has the largest number of members of any technical professional organization in the world - Supports 39 societies that focus activities on specific technical areas, including magnetics, photonics, and computers • Provides training and educational opportunities covering a wide number of engineering topics - Standards are managed by the IEEE Standards Association (IEEE-SA) 4753ff63d1 Security Testing Road Map 4753ff63d1 Summary 4753ff63d1 Authentication Types 4753ff63d1 Common Threats in the LAN Domain 4753ff63d1 Authentication by Knowledge 4753ff63d1 Information Security Standards Necessary to create Guarantee and maintain a compatibility competitive market between products for hardware and from different 4753ff63d1 The Change Management Process 4753ff63d1 Infrastructure 4753ff63d1 Risk Management 4753ff63d1 American National Standards Institute (ANSI) Strives to ensure the safety and health of consumers and the protection of the environment Oversees the creation, publication, and management of many standards and guidelines that directly affect businesses in nearly every sector - Is composed of government agencies, organizations, educational institutions, and individuals - Produces standards that affect nearly all aspects of IT but primarily software development and computer system operation 4753ff63d1 Types of Log Information to Capture 4753ff63d1 International Telecommunication Union Telecommunication Sector (ITU-T) • Is a United Nations agency responsible for managing and promoting information and technology issues - Performs all ITU standards work and is responsible for ensuring the efficient and effective production of standards covering all fields of telecommunications for all nations Divides its recommendations into 26 separate series, each bearing a unique letter of the alphabet . For example, switching and signaling recommendations are 4753ff63d1 Constrained User Interface 4753ff63d1 Software Development Models 4753ff63d1 Audit Scope and the Seven Domains of the IT Infrastructure 4753ff63d1 Intro 4753ff63d1 Role-Based Access Control 4753ff63d1 Effects of Access Control Violations 4753ff63d1 Spherical Videos 4753ff63d1 Concerns Surrounding Biometrics 4753ff63d1 Availability Time Measurements

4753ff63d1 The Agile Software Development Method 4753ff63d1 Audit Data Collection Methods 4753ff63d1 Credential and Permissions Management 4753ff63d1 International Organization for Standardization (ISO) Nongovernmental international organization Its goal is to develop and publish international standards for nearly all industries 4753ff63d1 IT Security Policy Framework 4753ff63d1 Masters Degree 4753ff63d1 Security Auditing and Analysis 4753ff63d1 Logical Access Control 4753ff63d1 Security Controls 4753ff63d1 Mandatory Access Control 4753ff63d1 Defining Your Audit Plan 4753ff63d1 Examples of Classification 4753ff63d1 Quantitative Risk Analysis 4753ff63d1 Remote Access Domain 4753ff63d1 SSO Processes 4753ff63d1 Managing Risk 4753ff63d1 Doctoral Degree 4753ff63d1 Learning Objective(s) Apply information security standards and U.S. compliance laws to real-world applications in both the private and public sector. 4753ff63d1 Security Controls Address Risk 4753ff63d1 Ethics and the Internet 4753ff63d1 Areas of Security Audits 4753ff63d1 Fundamentals of Information Systems Security Lesson 7 - Fundamentals of Information Systems Security Lesson 7 53 minutes - This lesson covers: What **security**, auditing and analysis are How to define your audit plan What auditing benchmarks are How to ... 4753ff63d1 Key Concepts International information security standards and their impact on IT infrastructures ISO 17799 - ISO/IEC 27002 Payment Card Industry Data Security Standard (PCI DSS) requirements 4753ff63d1 Residual Risk 4753ff63d1 Asynchronous Token Challenge-Response 4753ff63d1 Formal Models of Access Control 4753ff63d1 Network Mapping with TCP/SYN Scans 4753ff63d1 Two Types of Access Controls 4753ff63d1 Content-Dependent Access Control 4753ff63d1 Continuing Education 4753ff63d1 Network Mapping with ICMP (Ping) 4753ff63d1 Fundamentals of Information Systems Security Lesson 14 - Fundamentals of Information Systems Security Lesson 14 28 minutes - This Lesson covers: What the US DOD/military standards for the cybersecurity workforce are What the popular vendor neutral ... 4753ff63d1 Monitoring and Controlling Countermeasures 4753ff63d1 Access Control Lists (cont.) 4753ff63d1 Authentication by Characteristics/Biometrics 4753ff63d1 Defining the scope of the Plan 4753ff63d1 Recent Data Breaches: Examples 4753ff63d1 Risks, Threats, and Vulnerabilities 4753ff63d1 Outsourcing Concerns 4753ff63d1 Introduction 4753ff63d1 Risk Management Process 4753ff63d1 Auditing Benchmarks 4753ff63d1 Controlling Access 4753ff63d1 Threats to Access Controls 4753ff63d1 Analysis Methods 4753ff63d1 Introduction 4753ff63d1 Security Training 4753ff63d1 Search filters 4753ff63d1 Four Parts of Access Control Access Control 4753ff63d1 Confidentiality (cont.) 4753ff63d1 Methods and Guidelines for Identification 4753ff63d1 Access Control Policies Four central components of access control 4753ff63d1 Types of Biometrics 4753ff63d1 Summary 4753ff63d1 Selfstudy or Selfinstruction 4753ff63d1 Risk Identification Methods 4753ff63d1 Conclusion 4753ff63d1 Integrity 4753ff63d1 Quantifier Risk 4753ff63d1 Brewer and Nash Integrity Model 4753ff63d1 Other Access Control Models 4753ff63d1 Testing Methods 4753ff63d1 An Access Control List 4753ff63d1 ETSI Cyber Security Technical Committee (TC CYBER) • Develops standards for information and communications technologies (ICT) that are commonly adopted by member countries in the European Union (EU)

Standards cover both wired and various wireless communication technologies Cyber Security Technical Committee, called TC CYBER, centralizes all cybersecurity standards within ETSI committees - Standards focus on security issues related to the Internet and the business communications it transports 4753ff63d1 Playback 4753ff63d1 Policies and Procedures for Accountability 4753ff63d1 Fundamentals of Information Systems Security Lesson 6 - Fundamentals of Information Systems Security Lesson 6 41 minutes - This lesson covers: What **security**, administration is What compliance is What professional ethics are What the infrastructure for an ... 4753ff63d1 Common IEEE 802 Standard Working Groups Working Group Name 802.1 Higher Layer LAN Protocols Ethernet 4753ff63d1 Selecting Countermeasures 4753ff63d1 LAN-to-WAN Domain 4753ff63d1 Selfstudy Resources 4753ff63d1 Change Control Committees 4753ff63d1 Foundational IT Security Policies 4753ff63d1 Subtitles and closed captions 4753ff63d1 Decentralized Access Control 4753ff63d1 National Centers of Academic Excellence 4753ff63d1 Learning Objective(s) • Explain information systems security and its effect on people and businesses. 4753ff63d1 Security Monitoring for Computer Systems 4753ff63d1 Request for Comments (RFC) A document that ranges from a simple memo to several standards documents • RFC model allows input from many sources: encourages collaboration and peer review Only some RFCs specify standards - RFCs never change - RFCs may originate with other organizations - RFCs that define formal standards have four stages: Proposed Standard (PS), Draft Standard (DS), Standard (STD), and Best Current Practice (BCP) 4753ff63d1 CPD Courses 4753ff63d1 International Electrotechnical Commission (IEC) Works with the ISO 4753ff63d1 Covert versus Overt Testers 4753ff63d1 Host Isolation and the DMZ 4753ff63d1 Security? 4753ff63d1 Fundamentals of Information Systems Security Lesson 13 - Fundamentals of Information Systems Security Lesson 13 35 minutes - This Lesson covers: How to learn **information systems security**, through self-study education **programs**, What continuing education ... 4753ff63d1 The Security Kernel 4753ff63d1 Risk Assessment 4753ff63d1 Risk 4753ff63d1 Using NIDS Devices to Monitor Outside Attacks 4753ff63d1 Common Agreements 4753ff63d1 Fundamentals of Information Systems Security Lesson 1 - Fundamentals of Information Systems Security Lesson 1 36 minutes - This lesson introduces IT **security**,. I cover: What unauthorized access and data breaches are What **information system security**, is ... 4753ff63d1 Basic NIDS as a Firewall Complement 4753ff63d1 Key Concepts 4753ff63d1 Data Classification Standards 4753ff63d1 Single Sign-On (SSO) 4753ff63d1 Availability - In the context of information security 4753ff63d1 Enforcing Access Control 4753ff63d1 System/Application Domain 4753ff63d1 The Waterfall Model 4753ff63d1 Ciphertext 4753ff63d1 ISO/IEC 27002 Supersedes ISO 17799 Directs its recommendations to management and security personnel responsible for information security management systems Expands on its predecessor by adding two new sections and reorganizing several others 4753ff63d1 Fundamentals of Information Systems Security Lesson 8 - Fundamentals of Information Systems Security Lesson 8 1 hour, 19 minutes - This video covers the following: How risk management relates to data **security**, What the process of risk management is What a

risk ... 4753ff63d1 Summary 4753ff63d1 National Institute of Standards and Technology (NIST) • Federal agency within the U.S. Department of Commerce Mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life - Provides standards for measurement and technology on which nearly all computing devices rely - Maintains the atomic clock that keeps the United States' official time • Maintains a list of standards and publications of general interest to the computer security community 4753ff63d1 Associate Degree 4753ff63d1 Purpose of Audits 4753ff63d1 Nondiscretionary Access Control 4753ff63d1 Fundamentals of Information Systems Security Lesson 12 - Fundamentals of Information Systems Security Lesson 12 33 minutes - This Lesson covers: What standards organizations apply to **information security**, What ISO 17799 is What ISO/IEC 27002 is What ... 4753ff63d1 Fundamentals of Information Systems Security Lesson 5 - Fundamentals of Information Systems Security Lesson 5 46 minutes - This video covers the following: What the 4 parts of access control are What the 2 types of access control are How to define an ... 4753ff63d1 Effects of Breaches in Access Control 4753ff63d1 Change Control Issues 4753ff63d1 for Information Systems Security 4753ff63d1 Keyboard shortcuts 4753ff63d1 Common Threats in the User Domain 4753ff63d1 Layered Defense: Network Access Control 4753ff63d1 Business Impact Analysis 4753ff63d1 World Wide Web Consortium (W3C) Is the main international standards organization for the World Wide Web 4753ff63d1 How I Passed WGU D827 in 7 Days (Fundamentals of Information Security) - How I Passed WGU D827 in 7 Days (Fundamentals of Information Security) 1 minute, 52 seconds - Social Media: Instagram: <https://www.instagram.com/eliallentech/> All Links: <https://linktr.ee/eliallentech> WGU Pre Exam ... 4753ff63d1 Module 1 Introduction to Information Security - Module 1 Introduction to Information Security 27 minutes - 1.1 Define **information security**, 1.2 Discuss the history of computer **security**, and explain how it evolved into **information security**, 1.3 ... 4753ff63d1 Compliance 4753ff63d1 Workstation Domain 4753ff63d1 The Infrastructure for an IT Security Policy 4753ff63d1 How to Verify Security Controls 4753ff63d1 Intro 4753ff63d1 General 4753ff63d1 ISO 17799 (Withdrawn) • A former international security standard that has been withdrawn - Is a comprehensive set of controls that represent best practices in information systems • The ISO 17799 code of practice • The BS 17799-2 specification for an information security 4753ff63d1 Bachelors Degree 4753ff63d1 Rule-Based Access Control 4753ff63d1 Defining Access Control 4753ff63d1 Emerging Threats 4753ff63d1 Authorization Policies 4753ff63d1

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