

Fundamentals Information Systems Ralph Stair

Information Technology 698a8bc531 Information Systems Security Chapter 1 - Information Systems Security Chapter 1 55 minutes - Information Systems, Security Chapter 1. 698a8bc531 Constrained User Interface 698a8bc531 Workstation Domain 698a8bc531 Compliance 698a8bc531 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 ... 698a8bc531 Information Security Standards Necessary to create Guarantee and maintain a compatibility competitive market between products for hardware and from different 698a8bc531 Intro 698a8bc531 Search filters 698a8bc531 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 698a8bc531 Nondiscretionary Access Control 698a8bc531 Authentication by Knowledge 698a8bc531 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 ... 698a8bc531 Disaster Recovery Plan (DRP) 698a8bc531 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 698a8bc531 System/Application Domain 698a8bc531 The Security Policy Environment 698a8bc531 Information System Components 698a8bc531 ISO 17799 (Withdrawn) • A former international security standard that has been withdrawn - Is a comprehensive set of controls that represent best practices in information systems • The ISO 17799 code of practice • The BS 17799-2 specification for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 698a8bc531 Learning Objective(s) • Explain information systems security and its effect on people and businesses. 698a8bc531 Closing the Information Security Gap 698a8bc531 Management 698a8bc531 Remote Access Domain 698a8bc531 Recent Data Breaches: Examples 698a8bc531 Policies and Procedures for Accountability 698a8bc531 Authentication by Characteristics/Biometrics 698a8bc531 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

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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 698a8bc531 Software Development Models 698a8bc531 The Waterfall Model 698a8bc531 Software 698a8bc531 Key Concepts 698a8bc531 Integrity 698a8bc531 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 ... 698a8bc531 System Concepts 698a8bc531 Asynchronous Token Challenge- Response 698a8bc531 Information System Characteristics 698a8bc531 Summary 698a8bc531 BIA Recovery Goals and Requirements 698a8bc531 Components 698a8bc531 Summary 698a8bc531 Security? 698a8bc531 Intro 698a8bc531 An Access Control List 698a8bc531 The Infrastructure for an IT Security Policy 698a8bc531 Implementing a BIA, a BCP, and a DRP Protecting an organization's IT resources and ensuring that events do not interrupt normal business functions 698a8bc531 Summary 698a8bc531 Logical Access Control 698a8bc531 Enforcing Access Control 698a8bc531 Learning Objectives 698a8bc531 Mobile Workers and Use of Personally Owned Devices 698a8bc531 Single Sign-On (SSO) 698a8bc531 Controlling Access 698a8bc531 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 698a8bc531 International Electrotechnical Commission (IEC) Works with the ISO 698a8bc531 Methods and Guidelines for Identification 698a8bc531 Foundational IT Security Policies 698a8bc531 for Information Systems Security 698a8bc531 The Change Management Process 698a8bc531 Infrastructure 698a8bc531 Hardware 698a8bc531 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 ... 698a8bc531 Examples of Classification 698a8bc531 Types of Biometrics 698a8bc531 Keyboard shortcuts 698a8bc531 Introduction 698a8bc531 SSO Processes 698a8bc531 Change Control Procedures 698a8bc531 Data 698a8bc531 Defining Access Control 698a8bc531 Mandatory Access Control 698a8bc531 Access Control Policies Four central components of access control 698a8bc531 Confidentiality (cont.) 698a8bc531 Data Analytics 698a8bc531 International Organization for Standardization (ISO) Nongovernmental international organization Its goal is to develop and publish international standards for nearly all industries 698a8bc531 Outsourcing Concerns 698a8bc531 Information System Operations 698a8bc531 The Three Tenets of Information Security 698a8bc531 LAN-to-WAN Domain 698a8bc531 Common Threats in the LAN Domain 698a8bc531 Content-Dependent Access Control 698a8bc531 Asset Management 698a8bc531 Fundamentals of Information Systems Security Lesson 4 - Fundamentals of Information Systems Security Lesson 4 33 minutes - What risk management is How BIA, BCP, and DRP differ one another and how they are the same How to describe the impact

of ... 698a8bc531 Ethics and the Internet 698a8bc531 Data Classification Standards 698a8bc531 Authorization Policies 698a8bc531 Rule-Based Access Control 698a8bc531 The Agile Software Development Method 698a8bc531 Role-Based Access Control 698a8bc531 Availability Time Measurements 698a8bc531 Decentralized Access Control 698a8bc531 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 698a8bc531 Credential and Permissions Management 698a8bc531 CIT2104: INTRODUCTION TO INFORMATION SYSTEMS LESSON I - CIT2104: INTRODUCTION TO INFORMATION SYSTEMS LESSON I 33 minutes 698a8bc531 Common Threats in the User Domain 698a8bc531 Common Agreements 698a8bc531 Physical Access Control 698a8bc531 Effects of Breaches in Access Control 698a8bc531 Keeping Private Data Confidential Authentication controls 698a8bc531 Concerns Surrounding Biometrics 698a8bc531 Two Types of Access Controls 698a8bc531 Common IEEE 802 Standard Working Groups Working Group Name 802.1 Higher Layer LAN Protocols Ethernet 698a8bc531 Assessing Risks, Threats, and Vulnerabilities 698a8bc531 Information System 698a8bc531 Application Software 698a8bc531 Lecture 01 - Fundamentals of Information Systems-1 - Lecture 01 - Fundamentals of Information Systems-1 36 minutes - Basics of **information systems**, - what they are, how they work, and why they matter. 698a8bc531 Endpoint and Device Security 698a8bc531 The Security Kernel 698a8bc531 Definitions 698a8bc531 Formal Models of Access Control 698a8bc531 Availability - In the context of information security 698a8bc531 Access Control Lists (cont.) 698a8bc531 Learning Objective(s) • Explain information systems security and its effect on people and businesses. 698a8bc531 Four Parts of Access Control Access Control 698a8bc531 Information System Perspective 698a8bc531 People 698a8bc531 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) 698a8bc531 Probabilities 698a8bc531 Defining Risk Management 698a8bc531 Adhering to Compliance Laws 698a8bc531 Learning Objective(s) Apply information security standards and U.S. compliance laws to real-world applications in both the private and public sector. 698a8bc531 Spherical Videos 698a8bc531 Lesson 1: Information Systems Audit Explained |Fundamentals | CIA Triad | Real Examples | CA | DISA - Lesson 1: Information Systems Audit Explained |Fundamentals | CIA Triad | Real Examples | CA | DISA 17 minutes - This video explains the **fundamentals**, of **Information Systems**, Audit in simple English using practical examples from banking, ... 698a8bc531 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 ... 698a8bc531 Introduction to Information Systems \"Big Fundamentals\" by Prof Leo of IPS LLC. - Introduction to Information Systems \"Big Fundamentals\" by Prof Leo of IPS LLC. 2 hours, 37 minutes - This course explains the components of an **Information Systems**, and how someone can make a career in

any of the components ... 698a8bc531 Risks, Threats, and Vulnerabilities 698a8bc531 Change Control Committees 698a8bc531 World Wide Web Consortium (W3C) Is the main international standards organization for the World Wide Web 698a8bc531 Threats to Access Controls 698a8bc531 Elements of a Complete BCP 698a8bc531 Change Control Issues 698a8bc531 General 698a8bc531 Playback 698a8bc531 Key Concepts 698a8bc531 Effects of Access Control Violations 698a8bc531 IT Security Policy Framework 698a8bc531 Ciphertext 698a8bc531 Subtitles and closed captions 698a8bc531 BYOD Concerns/Policy Definition 698a8bc531 Other Access Control Models 698a8bc531 Business Impact Analysis (BIA) 698a8bc531 Authentication Types 698a8bc531 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) 698a8bc531 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 698a8bc531 Brewer and Nash Integrity Model 698a8bc531 Business Drivers 698a8bc531

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