



Cryptography in the Database

The Last Line of Defense

Kevin Kenan

Cryptography In The Database The Last Line Of Defense

Arthur James Wells



Cryptography In The Database The Last Line Of Defense:

Cryptography in the Database Kevin Kenan,2006 Shows companies how to secure their databases with cryptography thereby helping them comply with a bevy of new regulations

Everyday Cryptography Keith Martin,2017-06-22
Cryptography is a vital technology that underpins the security of information in computer networks This book presents a comprehensive introduction to the role that cryptography plays in providing information security for everyday technologies such as the Internet mobile phones Wi Fi networks payment cards Tor and Bitcoin This book is intended to be introductory self contained and widely accessible It is suitable as a first read on cryptography Almost no prior knowledge of mathematics is required since the book deliberately avoids the details of the mathematics techniques underpinning cryptographic mechanisms Instead our focus will be on what a normal user or practitioner of information security needs to know about cryptography in order to understand the design and use of everyday cryptographic applications By focusing on the fundamental principles of modern cryptography rather than the technical details of current cryptographic technology the main part this book is relatively timeless and illustrates the application of these principles by considering a number of contemporary applications of cryptography Following the revelations of former NSA contractor Edward Snowden the book considers the wider societal impact of use of cryptography and strategies for addressing this A reader of this book will not only be able to understand the everyday use of cryptography but also be able to interpret future developments in this fascinating and crucially important area of technology

Relational Database Design and Implementation Jan L. Harrington,2016-04-15
Relational Database Design and Implementation Clearly Explained Fourth Edition provides the conceptual and practical information necessary to develop a database design and management scheme that ensures data accuracy and user satisfaction while optimizing performance Database systems underlie the large majority of business information systems Most of those in use today are based on the relational data model a way of representing data and data relationships using only two dimensional tables This book covers relational database theory as well as providing a solid introduction to SQL the international standard for the relational database data manipulation language The book begins by reviewing basic concepts of databases and database design then turns to creating populating and retrieving data using SQL Topics such as the relational data model normalization data entities and Codd s Rules and why they are important are covered clearly and concisely In addition the book looks at the impact of big data on relational databases and the option of using NoSQL databases for that purpose Features updated and expanded coverage of SQL and new material on big data cloud computing and object relational databases Presents design approaches that ensure data accuracy and consistency and help boost performance Includes three case studies each illustrating a different database design challenge Reviews the basic concepts of databases and database design then turns to creating populating and retrieving data using SQL

Intelligent Information and Database Systems Ngoc-Thanh Nguyen,Boonwat Attachoo,Bogdan Trawinski,Kulwadee

Somboonviwat,2014-02-28 The two volume set LNAI 8397 and LNAI 8398 constitutes the refereed proceedings of the 6th Asian Conference on Intelligent Information and Database Systems ACIIDS 2014 held in Bangkok Thailand in April 2014 The 125 revised papers presented were carefully reviewed and selected from 300 submissions Suggestion The aim of the conference is to provide an internationally respected forum for scientific research in the technologies and applications of intelligent information and database systems The papers are organized in topical sections on Natural Language and Text Processing Intelligent Information Retrieval Semantic Web Social Networks and Recommendation Systems Intelligent Database Systems Decision Support Systems Computer Vision Techniques Machine Learning and Data Mining Multiple Model Approach to Machine Learning MMAML 2014 Computational Intelligence CI 2014 Engineering Knowledge and Semantic Systems IWEKSS 2014 Innovations in Intelligent Computation and Applications IICA 2014 Modelling and Optimization Techniques in Information Systems Database Systems and Industrial Systems MOT 2014 Innovation via Collective Intelligences and Globalization in Business Management ICIGBM 2014 Intelligent Supply Chains ISC 2014 and Human Motion Acquisition Processing Analysis Synthesis and Visualization for Massive Datasets HMMD 2014

International Conference on Computer Applications 2012 :: Volume 05 Kokula Krishna Hari K, Cryptography In The Database Kevin Kenan,2005 **Information Security The Complete Reference, Second Edition** Mark

Rhodes-Ousley,2013-04-03 Develop and implement an effective end to end security program Today s complex world of mobile platforms cloud computing and ubiquitous data access puts new security demands on every IT professional Information Security The Complete Reference Second Edition previously titled Network Security The Complete Reference is the only comprehensive book that offers vendor neutral details on all aspects of information protection with an eye toward the evolving threat landscape Thoroughly revised and expanded to cover all aspects of modern information security from concepts to details this edition provides a one stop reference equally applicable to the beginner and the seasoned professional Find out how to build a holistic security program based on proven methodology risk analysis compliance and business needs You ll learn how to successfully protect data networks computers and applications In depth chapters cover data protection encryption information rights management network security intrusion detection and prevention Unix and Windows security virtual and cloud security secure application development disaster recovery forensics and real world attacks and countermeasures Included is an extensive security glossary as well as standards based references This is a great resource for professionals and students alike Understand security concepts and building blocks Identify vulnerabilities and mitigate risk Optimize authentication and authorization Use IRM and encryption to protect unstructured data Defend storage devices databases and software Protect network routers switches and firewalls Secure VPN wireless VoIP and PBX infrastructure Design intrusion detection and prevention systems Develop secure Windows Java and mobile applications Perform incident response and forensic analysis IT Auditing Using Controls to Protect Information Assets, Third Edition

Chris Davis, Mike Schiller, Kevin Wheeler, 2019-10-04 **Secure Your Systems Using the Latest IT Auditing Techniques Fully updated to cover leading edge tools and technologies IT Auditing Using Controls to Protect Information Assets Third Edition** explains step by step how to implement a successful enterprise wide IT audit program New chapters on auditing cybersecurity programs big data and data repositories and new technologies are included This comprehensive guide describes how to assemble an effective IT audit team and maximize the value of the IT audit function In depth details on performing specific audits are accompanied by real world examples ready to use checklists and valuable templates Standards frameworks regulations and risk management techniques are also covered in this definitive resource Build and maintain an internal IT audit function with maximum effectiveness and value Audit entity level controls and cybersecurity programs Assess data centers and disaster recovery Examine switches routers and firewalls Evaluate Windows UNIX and Linux operating systems Audit Web servers and applications Analyze databases and storage solutions Review big data and data repositories Assess end user computer devices including PCs and mobile devices Audit virtualized environments Evaluate risks associated with cloud computing and outsourced operations Drill down into applications and projects to find potential control weaknesses Learn best practices for auditing new technologies Use standards and frameworks such as COBIT ITIL and ISO Understand regulations including Sarbanes Oxley HIPAA and PCI Implement proven risk management practices

Cybersecurity for Developers CORWAN MARR, 2026-03-04 Does the word security fill you with a sense of dread For many developers application security AppSec is a frustrating roadblock a mysterious process run by another team that blocks features creates last minute emergencies and adds stress to your workflow It feels like you re being handed a secure coding rulebook written in a foreign language But what if software security wasn t an obstacle but a natural part of your development process What if mitigating software vulnerabilities could be just as intuitive as writing clean code or good tests This book is different Written by a developer for developers it throws out the dense academic theory and sterile checklists Instead this is a practical hands on guide to secure software development that gives you the real world skills to build indestructible applications and become an invaluable DevSecOps leader on your team Inside you ll learn how to l Think like an attacker and find critical design flaws before you write a single line of code using threat modeling l Master the OWASP Top 10 with practical code first examples that show you both the broken code and the secure fix l Integrate automated security directly into your CI CD pipeline creating a DevSecOps safety net that catches bugs for you l Secure the entire modern tech stack including web application security REST and GraphQL API security cloud security for Docker and Kubernetes Serverless functions and Infrastructure as Code l Communicate effectively about risk management to your managers and peers turning yourself into a force multiplier for your team This book is more than a technical manual it s a career guide It gives you the confidence to stop being a programmer who simply reacts to security tickets and become the Security Champion who prevents them

Database Administration Craig S. Mullins, 2012-10-11 Database Administration

Second Edition is the definitive technology independent guide to the modern discipline of database administration Packed with best practices and proven solutions for any database platform or environment this text fully reflects the field s latest realities and challenges Drawing on more than thirty years of database experience Mullins focuses on problems that today s DBAs actually face and skills and knowledge they simply must have Mullins presents realistic thorough and up to date coverage of every DBA task including creating database environments data modeling normalization design performance data integrity compliance governance security backup recovery disaster planning data and storage management data movement distribution data warehousing connectivity metadata tools and more This edition adds new coverage of Big Data database appliances cloud computing and NoSQL Mullins includes an entirely new chapter on the DBA s role in regulatory compliance with substantial new material on data breaches auditing encryption retention and metadata management You ll also find an all new glossary plus up to the minute DBA rules of thumb

Book Review Index ,2006 Every 3rd issue is a quarterly cumulation

The British National Bibliography Arthur James Wells,2006

Cryptography and Network Security William Stallings,2011 This text provides a practical survey of both the principles and practice of cryptography and network security

Gale Directory of Databases ,2007 This is a guide to computer readable databases available online in CD ROM format or in other magnetic formats Details include database descriptions costs and whom to contact for purchase The material is indexed alphabetically and by subject vendor and producer

The Hanson Guide to the Internet & Internet Databases ,2000

Gale Guide to Internet Databases Gale Group,1999-11 This directory tells how to access and retrieve more than 5 000 Interact databases approximately 1 000 new databases have been added for this 5th edition Five comprehensive indexes master subject host provider white pages and alternate format provide quick access to the desired database

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