Data Security

Thomas H. Lenhard

Data Security

Technical and Organizational Protection Measures against Data Loss and Computer Crime

Springer

Thomas H. Lenhard
Comenius Universität
Bratislava, Slovakia

ISBN 978-3-658-35493-0 ISBN 978-3-658-35494-7 (eBook)
https://doi.org/10.1007/978-3-658-35494-7

This book is a translation of the original German edition „Datensicherheit“ by Lenhard, Thomas H., published by Springer Fachmedien Wiesbaden GmbH in 2020. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors.

This Springer imprint is published by the registered company Springer Fachmedien Wiesbaden GmbH part of Springer Nature.
The registered company address is: Abraham-Lincoln-Str. 46, 65189 Wiesbaden, Germany

Contents

Abbreviations

Cat-7	Cable Category 7
CCC	Chaos Computer Club
CRM	Customer relationship management
CTI	Computer telephony integration
DBMS	Database management system
DES	Data Encryption Standard
DHCP	Dynamic Host Configuration Protocol
DMZ	Demilitarized zone
DNS	DNS
DVD	Digital Versatile Disc
EN 50173-1	European Normative 50173-1:2011 about Information technology—Generic cabling systems—Part 1: General requirements
ERP	Enterprise resource planning
FTP	File Transfer Protocol
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
IEC	International Electrotechnical Commission
IP	Internet Protocol
ISO	International Organization for Standardization
LLC	Logical link control
MAC	Media access control
NAS	Network attached storage
NTFS	New technology file system
NTP	Network Time Protocol
OSI	Open System Interconnection
PBX	Private branch exchange (telephone system)
PGP	Pretty Good Privacy
POP	Post Office Protocol
RFID	Radio-frequency identification

RJ45	Registered jack 45
SFTP	Secure File Transfer Protocol
SMTP	Simple Mail Transfer Protocol
SQL	Structured Query Language
SSD	Solid-State Drive
SSH	Secure Shell
SSL	Secure Sockets Layer
TCP	Transaction Control Protocol
Telnet (TNP)	Telecommunication Network Protocol
TLS	Transport Layer Security
UNC	Uniform Naming Convention
USB	Universal Serial Bus
UPS	Uninterruptible power supply
VoIP	Voice over IP (Internet Protocol)
VPN	Virtual private network
WEP	Wired Equivalent Privacy
WLAN	Wireless local area network
WPA	Wi-Fi Protected Access

List of Figures

List of Table