

1. Record Nr.	UNINA9910813377403321
Autore	Held Gilbert <1943->
Titolo	Virtual private networking : a construction, operation and utilization guide / / Gilbert Held
Pubbl/distr/stampa	Chichester, : John Wiley, c2004
ISBN	9786610274918 9781280274916 1280274913 9780470020333 0470020334 9780470020340 0470020342
Edizione	[1st ed.]
Descrizione fisica	1 online resource (308 p.)
Disciplina	004.678
Soggetti	Extranets (Computer networks) Computer networks - Security measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	virtual private networking; contents; Preface; Acknowledgements; Chapter 1 Introduction to Virtual Private Networking; 1.1 THE VPN CONCEPT; 1.1.1 DEFINITION; 1.1.2 TYPES OF VPNS; 1.1.3 CATEGORIES OF VPNS; 1.1.4 INFRASTRUCTURE; 1.1.5 BENEFITS OF USE; 1.1.6 DISADVANTAGES OF VPNS; 1.1.7 VPN PROTOCOLS; 1.1.8 SUMMARY; 1.1.9 ALTERNATIVES TO VPNS; 1.1.10 ECONOMIC ISSUES; 1.1.11 OTHER ALTERNATIVES; 1.2 BOOK PREVIEW; 1.2.1 UNDERSTANDING AUTHENTICATION AND CRYPTOLOGY; 1.2.2 UNDERSTANDING THE TCP/IP PROTOCOL SUITE; 1.2.3 LAYER 2 VPN TECHNIQUES; 1.2.4 HIGHER LAYER VPNS; 1.2.5 VPN HARDWARE AND SOFTWARE 1.2.6 SERVICE PROVIDER-BASED VPNSChapter 2 Understanding Authentication and Encryption; 2.1 AUTHENTICATION; 2.1.1 PASSWORD AUTHENTICATION PROTOCOL; 2.1.2 CHALLENGE-HANDSHAKE AUTHENTICATION PROTOCOL; 2.1.3 EXTENSIBLE AUTHENTICATION PROTOCOL - TRANSPORT LEVEL SECURITY; 2.1.4 TOKEN AUTHENTICATION; 2.2 ENCRYPTION; 2.2.1 GENERAL METHOD OF

OPERATION; 2.2.2 PRIVATE VERSUS PUBLIC KEY SYSTEMS; 2.2.3 PUBLIC KEY ENCRYPTION; 2.2.4 THE RSA ALGORITHM; 2.2.5 DIGITAL CERTIFICATES; 2.2.6 HASHING AND DIGITAL SIGNATURES; Chapter 3 Understanding the TCP/IP Protocol Suite; 3.1 FRAME FORMATION 3.1.1 HEADER SEQUENCING3.1.2 SEGMENTS AND DATAGRAMS; 3.1.3 ICMP MESSAGES; 3.1.4 ON THE LAN; 3.1.5 DATAFLOW CONTROL FIELDS; 3.2 THE NETWORK LAYER; 3.2.1 THE IPV4 HEADER; 3.2.2 SUBNETTING; 3.2.3 THE SUBNET MASK; 3.2.4 THE WILDCARD MASK; 3.2.5 ICMP; 3.3 THE TRANSPORT LAYER; 3.3.1 TRANSPORT LAYER PROTOCOLS; 3.3.2 THE TCP HEADER; 3.3.3 THE UDP HEADER; 3.3.4 SOURCE AND DESTINATION PORT FIELDS; 3.4 PROXY SERVICES AND NETWORK ADDRESS TRANSLATION; 3.4.1 PROXY SERVICE; 3.4.2 NETWORK ADDRESS TRANSLATION; 3.4.3 TYPES OF ADDRESS TRANSLATION; 3.4.4 VPN CONSIDERATIONS; Chapter 4 Layer 2 Operations

4.1 THE POINT-TO-POINT PROTOCOL4.1.1 COMPONENTS; 4.1.2 PPP ENCAPSULATION; 4.1.3 LINK CONTROL PROTOCOL OPERATIONS; 4.1.4 MULTILINK PPP; 4.2 POINT-TO-POINT TUNNELING PROTOCOL; 4.2.1 IMPLEMENTATION MODELS; 4.2.2 NETWORKING FUNCTIONS; 4.2.3 ESTABLISHING THE PPTP TUNNEL; 4.2.4 PPTP ENCAPSULATED PACKETS; 4.2.5 THE PPTP CONTROL CONNECTION PACKET; 4.2.6 CONTROL CONNECTION PROTOCOL OPERATION; 4.2.7 PPTP DATA TUNNELING; 4.3 LAYER TWO FORWARDING; 4.3.1 EVOLUTION; 4.3.2 OPERATION; 4.3.3 THE L2F PACKET FORMAT; 4.3.4 TUNNEL OPERATIONS; 4.3.5 MANAGEMENT MESSAGES; 4.4 LAYER TWO TUNNELING PROTOCOL 4.4.1 OVERVIEW4.4.2 ARCHITECTURAL MODELS; 4.4.3 THE L2TP PACKET FORMAT; 4.4.4 CONTROL MESSAGES; 4.4.5 PROTOCOL OPERATIONS; Chapter 5 Higher Layer VPNs; 5.1 UNDERSTANDING IPSEC; 5.1.1 OVERVIEW; 5.1.2 TOPOLOGIES SUPPORTED; 5.1.3 SPECIFYING SESSION PARAMETERS; 5.1.4 THE SPI; 5.1.5 PROTOCOLS; 5.1.6 AUTHENTICATION HEADER; 5.1.7 ENCAPSULATING SECURITY PAYLOAD; 5.1.8 OPERATIONS; 5.1.9 KEY MANAGEMENT; 5.2 WORKING WITH IPSEC; 5.2.1 CONFIGURING IPSEC POLICIES; 5.2.2 ADDING THE IPSEC SNAP-IN; 5.2.3 CREATING AN IPSEC POLICY; 5.2.4 WORKING WITH IPSEC FILTERS; 5.3 SSL AND TLS; 5.3.1 RATIONALE FOR SSL 5.3.2 OVERVIEW OF SSL

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#### Sommario/riassunto

This book provides network managers, LAN administrators and small business operators with all they need to know to ""interconnect"" multiple locations or travelling employees that need to access a single location. The operation and utilization of virtual private networks is discussed both in theory and practicality, covering the technical aspects associated with encryption and digital certificates as well as the manner by which readers can create VPNs using readily available products from Microsoft, Cisco, Checkpoint and possibly other vendors. The author was among the first to write ab

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2. Record Nr.	UNINA9910872182203321
Autore	Gibson Rebecca
Titolo	Cyborgs, Ethics, and The Matrix : Simulations of Sex and Gender / / by Rebecca Gibson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2024
ISBN	9783031610103 9783031610097
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (195 pages)
Collana	Palgrave Studies in (Re)Presenting Gender, , 2662-9372
Disciplina	791.4372
Soggetti	Sex Motion pictures Television broadcasting Gender identity in mass media Biotechnology Digital humanities Gender Studies Film and Television Studies Media and Gender Digital Humanities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. The Cultural Impact of The Matrix Series -- 2. The Matrix: At the Source, or Where it all Began -- 3. The Animatrix and The Matrix Comics: Limitless Potential for Imagining New Cyborg Technology -- 4. The Matrix Reloaded and The Matrix Revolutions: Cephalopod Robots and the Nature of Truth -- 5. The Matrix Resurrections: Love Outlives Death -- 6. So: Who Are You? Virtual Reality, DSI, and Personality.
Sommario/riassunto	“Cyborgs, Ethics and The Matrix is a wonderfully sharp and insightful book on the massively popular The Matrix franchise and its intersections with crucial debates about gender, sex, trans-, and — really — who gets to count as human. Compellingly written, this book is of interest to fans of the franchise and those of us who care about

those different from ourselves." – Steen Ledet Christiansen, Associate Professor of English at Aalborg University, Denmark "Like the franchise itself, Gibson's book is at once deeply philosophical and yet exceptionally accessible, making it a necessary read for academic and general audiences alike." - Liz W Faber, Assistant Professor of English & Communication at Dean College, USA The Matrix (Lana Wachowski and Lilly Wachowski 1999) has permeated our cultural consciousness for two decades, working its way into such common parlance as "a glitch in the Matrix," and the idea of taking the Red Pill. With the release of the fourth movie, The Matrix Resurrections (Lana Wachowski 2021), and the confirmation of the franchise being a metaphor for gender transition, this book examines how the entire franchise contributes to the discourse on sex and gender, and how it has been instrumental in propelling the creation of new types of cyborg technology. This book centers on the main philosophical theme of The Matrix, know thyself, and relate it to the quest for authenticity which creates our identities—be they human, or human "enough"—as we move through the world. Dr. Rebecca Gibson is an Assistant Professor of Anthropology at Virginia Commonwealth University, specializing in biological anthropology. Her published works include *Desire in the Age of Robots* and *AI: An Investigation in Science Fiction and Fact* (Palgrave Macmillan, 2019) and *The Corseted Skeleton: A Bioarchaeology of Binding* (Palgrave Macmillan, 2020).

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