Index

A

B
Banner advertising 214, 244 blogosphere 32 brick-and-click retailers (BCRs) 125, 160 business associate of a healthcare provider (BAHP) 392, 395, 398 business logic layer 414-416, 448 buyer portal 259

C

D
data backup 415-416 data layer 414-415 Department of Defense (DOD) 5
Index

Diffusion of Innovation (DOI) 172, 195
Digimarc 452-454, 487
digital certificate 378, 380
digital divide 452, 468-469, 477, 486, 489-490
Digital forensics 377, 390-391, 399
Digital Life Design (DLD) 306
Digital Millennium Copyright Act (DMCA) 472, 477, 486
Digital products 88-89, 123, 128
Digital Rights Management (DRM) 472, 489
digital signature 380-382
Digital watermarking 452-454, 474, 486
disintermediation 26, 79, 84, 87, 97, 195, 409
Doubleclick 85, 367

e-commerce business model 83, 159
e-inclusion 452, 469-470, 477, 486, 490
Electronic bill presentment and payment (EBPP) 343, 361
Electronic Customer Relationship Management (E-CRM) 2, 26, 34, 205, 212, 234
Electronic Data Interchange (EDI) 10, 13, 34, 439
electronic funds transfer (EFT) 10, 354
Electronic funds transfer systems (EFTS) 11, 34, 251, 354, 356, 361
Electronic Logistics Marketplaces (ELMs) 264
Electronic Product Code (EPC) 323, 326
Electronic retailers (e-tailers) 124
Electronic service quality 166, 187-189, 196, 200, 243
Electronic word-of-mouth (eWOM) 215
E-mail campaign 214
enterprise 2.0 47, 51-55, 65, 72-73
European Committee for Standardization (CEN) 280
European Organization for Nuclear Research (CERN) 7
European Union (EU) 384
eXtensible Business Reporting Language (XBRL) 461
Extensible Markup Language (XML) 461

F
Federal Trade Commission (FTC) 367, 385
Final Value Fee (FVF) 264
firewall 48, 350, 373, 375, 399
Flow 21, 90, 171, 176-177, 179, 189, 191, 195, 198-199, 305, 375
folksonomy 32
Food and Drug Administration Amendments Act (FDAAA) 317

G
gerographic information systems (GIS) 107
gerographic positioning system (GPS) 108
Globalization 4, 275-276, 278, 408
Google Analytics 222-223, 244, 246
Government-to-Citizen (G2C) 19
Government-to-Employee (G2E) 19
Government-to-Government (G2G) 19
Grid computing 424, 448

H
Health and Human Services (HHS) 317
Health Insurance Portability and Accountability Act (HIPAA) 395
honeypot 376-377, 399
human resource management (HRM) 27
HyperText Markup Language (HTML) 420

I
Industry consortia 120, 254, 256-257, 287, 294, 298
information asymmetry 79-80, 139, 229, 390
information security risk 168, 185-187, 196, 201
Information sharing Web 2.0 55
ING DIRECT 123
initial public offering (IPO) 14, 69, 434
intellectual property rights (IPR) 454, 472
interactive advertising 231, 247
International Telecommunication Union (ITU) 300
Internet of Things (IoT) 462, 486
Internet Tax Freedom Act of 1998 (ITFA) 30
Intrusion detection 368, 372-374, 390, 398-401
Intrusion Detection and Prevention Systems (IDPS) 374, 401
Intrusion Detection Systems (IDSs) 372
Intrusion Prevention Systems (IPSs) 372
IP Communication 457

J
JavaScript 224, 419-420, 448

K
Key Performance Indicators (KPIs) 224

L
latent semantic indexing (LSI) 220, 234
lightweight programming models (LPMs) 50-51
location-based services (LBS) 309
Location-Based Social Networks (LBSN) 311
Location Commerce (L-Commerce) 309
logical layer 456, 478

M
Maintenance, Repair, and Operations (MRO) 252
marketing objectives 155
Marketing strategies 26, 207, 209, 227-228, 242, 298, 321, 336, 412
mass customization 26-27, 144-145, 229, 234, 244, 247, 384
massive multiplayer online games (MMOG) 98, 129
mobile game 304, 325, 338
Mobile marketing 300-301, 318-319, 321-322, 334, 336-337
Mobile payment 301, 340-341, 344-347, 361-362, 364
Mobile supply chain management (MSCM) 305, 333
Mosaic 8-10
multimedia message services (MMS) 301
Multinational corporations (MNCs) 276
multi-tier architecture 412-413, 417, 448

N
Name Your Own Price 133
National Association of Colleges and Employers (NACE) 150
National Center for Supercomputing Applications (NCSA) 8
National Health Information Network (NHIN) 398
National Mapping Agency (NMA) 107
National Science Foundation (NSF) 7
Near Field Communication (NFC) 322-323, 328, 346
Netscape 9, 382-383, 420
Network Externality Theory 77, 80, 117
network layers model 455-456, 478, 486
New York Stock Exchange (NYSE) 88, 262

O
Office Depot 409, 430-440
Online advertising 159, 166, 202, 204, 212-214, 216-217, 242-244, 366-367, 471, 488
online auction 18, 38-39, 42-43, 80, 122, 133, 136-137, 160-161, 249, 251, 256, 258, 260, 263, 298
online fraud 137, 160
online payment 18, 27-28, 340, 342-343, 352-354, 356, 361, 370
Organization for the Advancement of Structured Information Standards (OASIS) 281

P
PageRank 203, 219, 234
Payment Card Industry Data Security Standard (PCI DSS)” 340
PayPal 18, 85, 90, 345, 349, 353, 360, 362-363
Pay-Per-Click (PPC) 217, 221
Pay-Per-View (PPV) 217
perceived ease of use (PEOU) 172, 190, 196
Perceived risk 166, 184-186, 188, 190, 196, 198-200, 302, 347
perceived usefulness (PU) 172, 190, 196
perpetual beta 50
physical access layer 455-456, 478, 486
points of sale (POS) 304
PowerCo 329-333
presentation layer 413-416, 448
Pretty Good Privacy (PGP) 356, 381, 399
price convergence 133
price dispersion 133-136, 154, 162-163, 230
Privacy Directive of the EU 470-471
Privacy Enhancing Technologies (PETs) 386
product development 50, 58, 111, 156
product-development element 159
public exchange 256-257, 264
Public Key Infrastructure (PKI) 366, 377, 391, 400
public switched telephone network (PSTN) 458, 460, 478
Pull-based e-commerce 310, 333
pure play retailers (PPRs) 125, 160
Quality of Service (QoS) 460
radio frequency identification (RFID) 314, 316, 325
Really Simple Syndication (RSS) 33
Real Time Gross Settlement (RTGS) 355, 361
Real Time Location Systems (RTLS) 317
Registration Authority (RA) 378
Resource based analysis 407, 411
RosettaNet 282
Sabre Town 47-48
Search Advertising 214
Search Engine Optimization (SEO) 218, 226, 234, 244
Search Engine Results Page (SERP) 219, 234
Second Life 49, 62, 65, 76-77, 95, 129
Secure Sockets Layer (SSL) 356, 382, 401
Securities and Exchange Commission (SEC) 69, 291
Service-Oriented Architecture (SOA) 267
SERVQUAL 188, 190, 196, 200
Session Initiation Protocol (SIP) 458
session key 381, 383, 399
Short Message Service (SMS) 345-346
Simple Object Access Protocol (SOAP) 429, 449
small and medium-sized enterprises (SMEs) 4, 47, 61-62
Smartphones 15, 26, 306, 308-309, 321, 346, 420
Social Media Advertising 215
Social networking services (SNS) 31, 53, 60
Social networking Web 2.0 55
Social shopping 49, 71, 92-93, 96, 117, 230-231
software development kit (SDK) 308
sponsored search 214, 218, 221
standards developing organizations (SDOs) 279
Structured Query Language (SQL) 372, 414
supplier portal 259, 294
supply chain management (SCM) 266, 284, 290, 411
Supply Chain Orchestrator (SCO) 268, 284, 294
Sustainability 4, 59, 61-62, 71, 83, 98, 102, 106
Tablets 303, 307-308, 420
Technology Acceptance Model (TAM) 171-172, 190
Index

Teleroute 250
the digital economy 3, 12, 26, 81, 118, 227
Theory of Planned Behavior (TPB) 171, 190
Theory of Reasoned Action (TRA) 171-172, 190-191
transaction cost economics (TCE) 77, 117
Transactions cost 77
Transport Layer Security (TLS) 382
Trusted third parties (TTPs) 184
two-factor authentication (TFA) 376, 399

V
Value Added Networks (VANs) 439
value chain analysis 410, 440
Value networks 60-61
v-commerce 95, 98
virtual private network (VPN) 267
Virtual worlds 76-77, 94-96, 98, 129, 215
Voice over IP (VoIP) 458

W
web accessibility 452, 463-467, 470, 477-478, 486-489
Web Accessibility Initiative (WAI) 464, 486
Web analytics 204, 222-223, 225, 227, 244-245, 247
Web-based EDI 15, 267
Web Content Accessibility Guidelines (WCAG) 464-465
Web Marketing Association 166-167
WebMD 84, 98-100, 103-104, 106
Web Services Description Language (WSDL) 429, 449
Wireless Application Protocol (WAP) 302, 345
World Wide Web Consortium (W3C) 427