Index

Α

access control rules 176
advanced encryption standard 168
animation 50
application firewalls 175
assurance 26
authentication 169
availability 25

В

B2B 157
B2C 157
behavioral/value information 66
biometric authentication 170
Bluetooth 134
brick-and-mortar 116
brokerage model 66
business-to-business 66
business-to-business markets 22
business-to-consumer 66, 105
business-to-government 66

C

certificate authorities 174
certificate revocation list 174
click-and-mortar 116
cognitive flexibility theory 36
commerce 22
completeness 25
condition 25
confidentiality 166

consistency, attitude 25
consumer trust 106
consumer-to-business 66
consumer-to-consumer 66
cross-enterprise processes 150
customer-producer inseparability 23
customer-relation-management 148
customized experience model 67

D

data collection 4
data encryption standard (DES) 168
data resources 79
data warehousing 203
delivery system 106
denial-of-service 177
development stage 29
device trends 127
digital certificate 174
digital economy 68
digital signature 172
domain name server (DNS) 190

Ε

e-business 147, 148, 159 e-commerce 127, 165, 187 education 50 electronic mail 130 electronic service infrastructure 75 electronic wallets. 131 empathy 26

encryption method 166 Internet 39, 50, 189 enterprise application integration 158 Internet culture 87 enterprise resource planning 147 Internet protocol address 189 Extranet 22 Internet shopping 104 Internet traffic management 190 F Internet traffic manager algorithms 195 firewalls 175 Internet-enabled cellphones 127 flow 53 interoperability 64 functional information 65 intranet policy 6 intranet take-up 12 intranet team 6 general packet radio service 137 intranets 3, 165 global classroom 40 IPsec 181 global operations 157 K global positioning system 130 knowledge repositories 67 L handheld access devices 127 hardware appliance 194 **LANs 135** hashed message authentication code lawsuits 165 173 layer 2 tunneling protocol 183 homepages 72 learning 51 HTML 139 learning on their own time 40 hypertext 50 legacy heterogeneous environments hypertext transfer protocol 197 156 less expense 40 ı load balancing 192 impersonation 169 load distribution 192 in-store shopping 106 local information society 98 increased market access 40 lower long-terms costs 40 increased participation 40 M increased resources 40 individualized or self-regulated learning m-commerce 127 theory 36 macroeconomic implications 106 infrastructure 71 maintenance stage 29 instant messaging services 130 market research data warehouse 203 institutionalization 80 media chain 87 integrated security systems 165, 179 media richness 56 interception 166 message integrity 173 interlinked applications 156 message-by-message authentication internal marketing campaign 6 172

mobile electronic commerce 127 monopoly 87 multi-layer security 183 multiple intelligences theory 36

0

one-time authentication 170 open learning model 36 organizational transformation 73

P

packet filter firewall 175
password 170
performance 188
performance heterogeneity 23
personal digital assistants 127
physical infrastructure 75
planning and scoping phase 29
point-to-point tunneling protocol 183
poor usability 79
potential applications 127
procedural information 65
public key challenge—response authentication 171
public key encryption 168
public key infrastructure 174

Q

quality 24

R

reaching other market segments 41 reengineering 83 reliability 26, 188 responsiveness 26 return on investment 86

S

SAP 157
scalability 190
secure sockets layer 142, 180
security 25
service groups 4
service infrastructure 71
service intangibility 23
service non-storability 23

shared secret challenge—response authentication 171 situated learning theory 36 software 194 staff motivation 79 start-up 79 state information 65 strategic leadership 71 substitutive 42 supplemental 42 supply-chain-management 148 switches 194 symmetric key encryption 167

T

tangibles 26
telephony 129
timing 25
transaction layer security 142
transport mode 181
triple DES 168
tunnel mode 182

U

URL 189 usability 86

V

value creation 64 velocity 64 virtual shopping 104

W

Web information systems 73
Web log 203
Web site 189
Web technologies 203
Web-based instruction 35
wireless access 128
wireless application protocol 138
wireless communication technologies 127
wireless markup language 139
wireless transaction layer standard 142
World Wide Web 39, 129