Index

A

Advanced Encryption Standard (AES) Australian Automotive Industry 145 authentication 162

R

B2C (business-to-consumer) transaction 98 biometric devices 96 Bluetooth 21 business practice security 21 business-to-business 118 business-to-business (B2B) transaction 98 business-to-consumer 118

\mathbf{C}

China 98 clickstream tracking 95 client expertise 57 client privacy 53 client rights 53 closed system 114 commerce risk 112

commerce security 112 competitive advantage 117 confidentiality 162 consumer/client protection 24 continuity plan 5 continuous learning approach 59 corporate and government databases 91 credit reporting agencies 107 cyber risk 101 cybercrime 126 cybersecurity 127 Cyberterrorism Preparedness Act of 2002 81

D

data encryption standard (DES) 141 data integrity 162 demilitarized zone (DMZ) 142 digital certificate 30 digital content forum chair (DCF) 15 digital economy 135

\mathbf{E}

e-commerce 89, 98, 113, 146 E-commerce adoption 146

e-commerce initiatives 2 e-commerce security 2, 135 e-commerce security and the Law 122 e-commerce security planning 158 e-commerce skilled personnel 38 e-commerce technologies 1 e-commerce trust infrastructure 161 eavesdropping 16 electronic agreement 26 employee education 164 encryption 28

F

file scans 17 financial information databases 92 financial pressure 64 fireblock 83 firemarshal 84 firewalls 17, 118 formal e-commerce security policy 12 fraud 124

H

hackers 16 hacking 124, 128 hacking techniques 64 hands-on management 60 hardware 4 hardware watermarks 96 honey-pots 142

I

identity theft 128 information security technologies 3 intellectual property 129 intentional destruction 5 internal network infrastructure 160 Internet investment 3 Internet security field 77 Internet security marketplace 78 interoperability 41

L

loss of technology 5 loss of utilities 5

\mathbf{M}

man in the middle attacks 138 management support 57 management training 59 medical information databases 93 Microsoft SQL server 19 modus operandi 140

N

non-prime number keys 138 non-repudiation 162

0

online merchandise 123 online trading 100 open system 114 OpenSource solutions 50 Organisation for Economic Cooperation and Development 126 organizational information technology resources 3

P

PacketHound 81 Palisade Systems 78 personal information privacy 88 predictability 115 private key system 138 public key infrastructure (PKI) 22

R

real-time response teams 48 regulatory framework 104 resource constraints 103 retention programs for personnel 40 returns in investment 48 risk and security management (RSM) 113

S

ScreenDoor 80 secure electronic transaction (SET) 6 secure payment 35 Secure Socket Layer (SSL) 6 security architecture 20 security breach 2 security management 16 self healing tools 142 self-hosting 61 self-regulation 32 short message expansion 138 SmokeDetector 83 software applications security 21 software watermarks 96 status quo 140 strategic plan for e-commerce security system security architecture 20

T

tangible assets 114
theft 5
top management 13
total e-commerce security program 4
total security environment 45
trading partners 153
traffic 5
transmission medium 154
trust 145

U

underdeveloped security controls 103

\mathbf{V}

vendors 5 Verisign 24 virtual assets 114 virus attack 48 volatility 115 vulnerabilities 163

\mathbf{W}

weak technological support 102 Web server threats 58 Web-based businesses 125 wired systems security 21 wireless communications 94 World Trade Organization (WTO) 99