KEYWORD INDEX
Heteronomy, 79
Hostname, 42
HTTP. See Hypertext Transfer Protocol
HTTP header, 44
HTTPS. See Secure HTTP
HTTP status code, 46
Hypertext, 46
I
IAB. See Internet Architecture Board
IANA. See Internet Assigned Numbers Authority
ICANN. See Internet Corporation for Assigned Names and Numbers
IEEE. See Institute of Electrical and Electronics Engineers
IETF. See Internet Engineering Task Force
IGF. See Internet Governance Forum
Infrastructure layer, 82, 88
Institute of Electrical and Electronics Engineers, 19, 89, 104
International Organization for Standardization, 19, 83, 89
International Telecommunication Union, 19, 90, 98, 104
International Telecommunication Union Standardization Sector, 19
Internet Architecture Board, 88
Internet Assigned Numbers Authority, 23, 89, 97
Internet Corporation for Assigned Names and Numbers, 43, 89, 90, 97, 103, 105
Internet Engineering Task Force, 19, 88, 97, 104
Internet exchange point, 33
Internet governance, 86, 87, 102
Internet Governance Forum, 91, 105
Internet Protocol, 20
Dynamic address, 23
IPv4 Address, 21
IPv6 Address, 22
Public and private IP address, 20
Static address, 23
Internet Protocol Security, 25
Internet Research Task Force, 88
Internet service provider, 23
Internet Society, 89
IP. See Internet Protocol
IP blocking, 58
IP routing, 24
IPSec. See Internet Protocol Security
IP spoofing, 25
IRTF. See Internet Research Task Force
ISO. See International Organization for Standardization
ISO/IEC. See International Organization for Standardization
ISP. See Internet service provider
ITU. See International Telecommunication Union
ITU-T. See International Telecommunication Union Standardization Sector
IXP. See Internet exchange point
L
LACNIC. See Regional internet registry
LAN. See Local network
LIR. See Local internet registry
Local internet registry, 23
Local network, 20
Logical layer, 82, 90
M
MAC address. See Media Access Control address
Machine-in-the-middle, 55
Machine-learning techniques, 78
Man-in-the-middle. See Machine-in-the-middle Media Access Control address, 8
MITM. See Machine-in-the-middle Mobile Transaction Number, 55
mTAN. See Mobile Transaction Number
Multistakeholder model, 102
N
Name server, 44
NAT. See Network Address Translation
NCUC. See NonCommercial Users Constituency
Neighbor, 31
Network Address Translation, 21
Network card, 8
Network neutrality, 58
Network shutdowns, 60
Network types, 7
Centralized network, 7
Decentralized network, 7
Distributed network, 7
Noncommercial Users Constituency, 105
O
Octet, 21
OH The-Record, 53
Onion, 70
The Onion Router. See Tor
On-path attacker, 55
OpenPGP, 53
OSI model, 89
OTR. See Off-The-Record
P
Packet, 13, 14
Packet Filter, 59
Packet header, 13
Peering, 32
Pipe, 36
Port, 35
Port number, 35
Predictive policing, 74
Protocol, 19
Proxy, 67
Keyword Index

Pseudonymity, 67

QUIC. See Quick UDP Internet Connections
Quick UDP Internet Connections, 19, 38, 48

Random MAC Address, 8
Regional internet registry, 23
Registrar, 42
Registrar, 42
Registry, 42, 43, 89, 90
Requests for Comments (RFC), 88
Resolve, 44
RIPE NCC. See Regional internet registry
RIR. See Regional internet registry
Root zone, 43
Router, 6

Scoring system, 76
Second-level name, 42
Second level of automation, 78
Secure HTTP, 47
Server, 7
Server Name Indication, 49
SNI. See Server Name Indication
Social layer, 82, 91
Software algorithm, 74
SSL. See Transport Layer Security
Stream, 36
Subdomain zone, 43
Surveillance, 76

Targeted advertising, 76
Targeted traffic analysis, 71
TCP. See Transmission Control Protocol
Telco CDN, 95
Throttling, 58
TLD. See Top-level domain
TLD zone, 43, 45
TLS. See Transport Layer Security

TLS Certificate. See Certificate
Top-level domain, 42, 43
Tor, 68, 69, 70, 71
  Bridge, 69
  Descriptor message, 68
  Entry node, 69
  Exit node, 68, 69, 71
  Hops, 68
  Introduction message, 70
  Introduction point, 70
  Onion Service, 70
  OnionShare, 71
  Packet tag, 68
  Relays, 68
  Rendezvous point, 70
  Tails, 71
  Tor Browser, 71
  Tor circuit, 68, 69
  Tor nodes, 68

Tor network, 68
Traffic analysis, 71
Transit, 32
Transmission Control Protocol, 19, 36, 46
Transparency report, 65
Transport encryption, 52
Transport Layer Security, 48, 52
Two-factor authentication, 55

UDP. See User Datagram Protocol
Unique local address (ULA), 22
URL filtering, 58
User Datagram Protocol, 19, 35

Virtual private network, 67
Voice over IP, 35
VoIP. See Voice over IP
VPN. See Virtual private network

Zone, 43