

Index

/

#DOM, 448
#SG, 448
* *see* wildcard
* <1B> *see* wildcard Domain Master
 Browser query
* SMBSERVER<20>, 143, 166, 176, 446, 622
\\01\02__MSBROWSE__\02<01> *see*
 MSBROWSE<01>
\\MAILSLOT, 363
 \BROWSE, 363, 379–380, 382–386, 388–392
 \LANMAN, 363, 379
\\xfSMB, 182, 187, 190, 220, 377

0

0x1Dirty, 141
0x1Election, 341
137/TCP, 11, 142
137/UDP, 10, 29, 37, 107
138/TCP, 11
138/UDP, 10, 126, 321, 365

Upon reading these words,
flames suddenly burst from his neck,
a horn grew on his knee,
fangs and claws tore at the backs
of his shins,
and he sneezed violently.

— Me

139/TCP, 11, 150, 162–163, 180
255.255.255.255, 33, 119, 128, 341, 444, 448
445/TCP, 150, 162–163

A

ACE (Access Control Entry), 331
ACK (acknowledgement), 139, 180
ACT_ERR, 50, 68, 77, 84, 103
Active Directory, 236, 296–297, 339, 452–453, 455
adapter status, 28, 41, 103–104
 see also node status
ADDITIONAL_RECORD, 46, 63, 69
Aled, xxix
Allen, Michael B., xxix, 233
Allison, Bridget, 297
Allison, Jeremy, 149, 202, 269, 274
Amalia, xxix
ANCOUNT, 27, 51
ANDX, 188, 193
AnnouncementRequest, 379–380, 412
AnnounceRequest, 381

ANSWER_RECORD, 67, 78, 90, 92, 102,
104, 111
ARCOUNT, 27, 51
ASN.1, 291, 613
Assam, 437
authentication, xxv, 192, 201, 210, 228,
251, 257–308, 339, 343, 409, 426,
456, 615
authorization, xxv, 256, 294

B

B mode, 8–10, 13, 18, 41, 44, 62,
76–77–86, 98, 106, 116–119, 122,
141, 161, 301, 353, 355, 428
B13BWz, 406, 409
B16BBDz, 396
Backup Browser, 345, 349, 352, 354, 357,
385, 387, 389, 391, 401–402, 412,
415–416, 614
BAF protocol, 147, 614
ballot, 413
Barnes, Prairie, xxix
Barron, Tom, xxix
Barthel, Olaf, xxix, 359, 437
Bartlett, Andrew, xxii, xxix, 199, 267, 275,
284, 303, 463
BDC (Backup Domain Controller), 298,
344, 402, 443, 614
see also DC, PDC
BecomeBackup Browser Frame *see*
BecomeBackupRequest
BecomeBackupRequest, 353–354, 379,
389
Bran, xxix, 614
Browse List, 337, 341, 345, 348–355, 382,
388, 390–391, 416, 421, 423, 445
Browse Service, xxv, xxix, 256, 319,
337–345, 347–348, 356, 363, 416,
419, 431
Consumer, 348–349, 357, 385, 411,
426, 428
Provider, 348, 354, 381, 397, 399, 416,
428
browser, 350
Backup *see* Backup Browser
Domain Master *see* DMB
election *see* election

Local Master *see* LMB
Potential *see* Potential Browser
Preferred Master *see* Preferred Master
Browser
web *see* web browser
BSD (Berkeley Software Distribution), 33
BSOD (Blue Screen of Death), 75, 317
Bulwer-Lytton, Edward George, 141
byte order, 51, 193, 220, 369

C

C: (C-colon), 209
CACA, 20
caffeine, 437–438
Caldarale, Charles, 316
CALLED_NAME, 131, 143, 155, 163–176,
440, 446
CALLING_NAME, 131, 176, 622
Camellia sinensis, 437
Capabilities bits, 232, 238, 241,
245–251
Carey, James, xxix
Carter, Benjamin, 425
Carter, Gerald (Jerry), xxx, 254, 276
CaseInsensitivePassword, 10, 191,
241, 252, 262–264, 272–273,
287–288, 311
CaseSensitivePassword, 191, 241,
252, 263–264, 275, 282
Ceylon, 437
CFT_ERR, 5, 50, 111
challenge/response, 228, 236, 258, 262,
265–289
CIFS (Common Internet File System),
xxiv, 614
community, xxvi
conference, xxvii
mailing list, xxvii, 151, 250
URL, 453
cifslog.txt, 297
cifsrap2.txt, 250, 394
CKAAAAAAAAAAAAAAAAAAAAAAAAAAAAA,
31
COBOL, 5
Cohen, Stephanie, xxix
Consumer *see* Browse Service Consumer
COREP.TXT, 183, 185, 210, 222

Cox, Philip, 297
 CVS (Concurrent Versions System), xxix

D

DAP (Directory Access Protocol), 292
see also LDAP
 Darjeeling, 437
 Datagram Service *see* NBT Datagram Service
 DC (Domain Controller), 9, 143, 201, 237, 253, 272, 280, 286, 288, 295–299, 304, 339, 343, 402, 443, 615
 Backup *see* BDC
 Primary *see* PDC
 DCE/RPC (Distributed Computing Environment/Remote Procedure Call), 250, 292, 319
see also MS-RPC
 Deadwiler, Byron, 246
 Debian GNU/Linux, xxviii, 33
 DES (Data Encryption Standard), 266–279
 DFS (Distributed File System), 207, 246, 312, 326–328, 400
 DHCP (Dynamic Host Configuration Protocol), 9
 Dia, xxix
 dialect, xxvi, 147, 187, 221–235, 239, 242–251, 261, 338
 Diebel, Judy, xxix
 disablePlainTextPasswords, 260
 DMB (Domain Master Browser), 29, 142, 340–345, 349–353, 355–357, 363–365, 387, 391, 411–417, 420–423, 425–428, 443, 449, 454, 616
 DMCA (Digital Millennium Copyright Act), 269, 615
 DNS (Domain Name System), xxiv, xxv, 18–32, 42–51, 143, 155, 159, 162, 164–176, 178, 284, 296, 301, 339, 453, 455–456, 616
 DomainAnnouncement, 352, 379, 388, 399, 428
 DoS (Denial of Service), 112, 355, 613

DOS (Disk Operating System), xxvi, 3, 5, 115, 147, 154, 157, 210, 222, 312, 324, 328–331
 Code Page 437, 43
 error codes, 182, 188, 198, 206, 291, 326, 370, 398
 prompt, 101, 179
 doserr.h, 199
 draft-leach-cifs-browser-spec-00.txt, 443
 Dzurenko, Jeanne, xxix

E

Earl Grey, 18
 EAs (Extended Attributes), 208, 317, 331
 election, 340–341, 344, 350–357, 379, 383, 387, 391–392, 411–417, 423, 426, 428, 444, 449, 614
 EMACS (Editor MACroS), 209
 EnableSecuritySignature, 306
 Ethereal, 17, 30, 37, 150, 180, 188, 255, 264, 385, 389, 400
 Exists.java, 179, 187, 193, 260–261

F

Farmer, David, xxix
 FAT (File Allocation Table), 312, 328
 Feigenbaum, Dr. Barry, 147, 614
 FID (File Identifier), 315
 FLAGS, 183, 188, 197, 203, 232, 247, 324
 FLAGS2, 183, 188, 197, 206, 232, 237
 FMT_ERR, 5, 50, 76, 91, 102
 fragmentation, 123, 125–126, 231, 320, 407–408
 French, Steven, 5, 147, 249

G

Galeon, 157
 Gavel, Amy, xxix
 Geddes, Matthew, 436
 GetBackupListRequest, 350, 353, 379, 384, 417
 GetBackupListResponse, 350, 379, 385
 gethostbyname(), 162

GNU Lesser General Public License (LGPL), xxxi
 group name, 6–7–11, 30, 64, 69, 81–86, 96, 116–120, 142, 340–344, 356, 364
 GSS-API, 292, 294, 617
 GUID (Globally Unique Identifier), 236

H

H mode, 9–10, 13, 41, 44, 62, 77–86, 117–119, 122, 141, 161, 356, 414, 426, 428, 449
 Harry, Jill, xxx
 Hill, Paul, 297
 Hirsch, David, xxix
 HMAC-MD5, 7–282, 285, 287
 HMACT64, 278
 HostAnnouncement, 348, 352, 354, 379, 381, 387–388, 390, 399, 422
 Howard, Luke, 284
 Howling, Tim, xxix
 HPFS (High Performance File System), 329, 331
 htonl(), 51, 193
 htons(), 51, 193

I

IBM (International Business Machines), xxvi, 5, 42, 147, 338, 426
 IDL (Interface Definition Language) *see* MIDL
 IETF (Internet Engineering Task Force), xxv, 6, 148, 157, 451–452, 457
 IMP_ERR, 5, 50, 77, 80, 91
 inet_aton(), 35, 70, 137, 160, 174
 inet_pton(), 161
 InfoLevel, 246, 397, 406
 IPC\$, 258, 312, 361, 363, 370
 IPv6, 160, 167

J

January 1, 1601, 00:00:00.0 UTC, 232
 January 1, 1970, 00:00:00.0 UTC, 233
 jCIFS, xxvi, xxvii, xxix, xxx, 14, 18, 158, 178–180, 187, 198, 206, 221, 250, 253, 259, 261, 340, 395

K

KDE, 157
 Kerberos, 258, 292, 294–296, 617
 KGS!@#\$, 269, 274
 Kirsanov, Dmitry, xxx
 Kirsanova, Alina, xxx
 Konqueror, 157, 223

L

L0phtCrack, 274
 L1_Decode(), 47
 L1_Encode(), 24, 37
 L2_Decode(), 48
 L2_Encode(), 37–38, 174
 Ladwig, John, xxix, 411
 LANA, 103–104, 426, 617
 Landy, Brian, 120
 Langhus, Mike, 447
 Lankhaar, Vance, 284
 Lapsang Souchong, 18, 307
 LDAP (Lightweight Directory Access Protocol), 292, 296, 339, 455, 618
 Leach, Paul, 148, 292
 Leach/Naik Internet Drafts, 148, 176, 205, 234, 266, 268–269, 297, 443
 Leighton, Luke Kenneth Casson, 250, 276, 284, 297
 Levy Haskell, Susan, xxix
 LGPL *see* GNU Lesser General Public License
 libcifs, xxviii, 160, 446
 libsmclient, xxvi, 158, 223, 451
 List.java, 361, 395
 LM (LAN Manager), 147, 222, 242, 258, 265, 275
 challenge/response, 265–276, 286–289, 297
 Hash, 7, 268–275, 277, 302
 LM ANNOUNCE parameter, 338, 420
 LMB (Local Master Browser), 142, 340, 342, 345, 348–357, 380–382, 387–391, 398, 401, 411–417, 421–423, 428, 444, 449, 454, 618
 LMHOSTS, 143, 422, 448
 LMv2 (LM version 2), 283, 286–289, 302, 305

LocalMasterAnnouncement, 352, 357,
379, 387–388, 411–412
LZNT, 245

M

M mode, 9–10, 13, 41, 44, 62, 77–86,
117–119, 122, 141, 161, 356, 414,
426, 428, 449
MAC (Message Authentication Code),
207, 228, 276–277, 300–307, 362
machine<00>, 377–386, 388–391, 439,
446
machine<20>, 377, 441
machine name, 340, 354, 380–385,
387–390, 446, 618
Maddie, xxix
mailslot, 321, 359, 363, 370–380, 386,
394
Marchand, Jean-Baptiste, 12, 307
Marika, xxix, 180
Master Browser *see* LMB
MasterAnnouncement, 353, 355, 379,
387–388, 416, 423
McCain, Greg, 318
MD4, 7, 275, 277, 303–304
MD5, 277, 304
Micouleau, Jean François, 100
Microsoft, xxiii–xxvii, xxix, 3, 5, 11, 17,
19, 30, 42, 64, 78, 80, 106, 119, 122,
128, 147, 154, 178, 200, 222, 242,
246, 263, 279, 288, 292, 294, 296,
318, 328, 337, 339, 341, 343–344,
356, 362, 394, 416, 426, 442, 447
MID (Multiplex IDentifierMultiplex
IDentifier), 181, 185, 197, 211, 216,
230, 245
MIDL (Microsoft Interface Definition
Language), 250, 292, 618
Minshall, Conrad, 314
mode (B, P, M, H) *see* node type
Monyo (Motonobu Takahashi), 84
MS-DOS *see* DOS
MS-RPC (Microsoft Remote Procedure
Call), 250, 290, 292, 295, 297, 309,
319, 334, 361, 409, 619

MSBROWSE<01>
(\01\02__MSBROWSE__\02<01>),
43, 341, 351, 357, 380, 384, 388,
445, 453

Mudge, 274
multi-homed host, 5, 26, 50, 81, 88, 96,
100, 142, 426, 448

N

Naik, Dilip, 148
naked transport, 150, 154, 163–166, 175,
339
NAM_ERR, 5, 50, 91, 103
name conflict, 67, 81–85, 105, 111–112,
341
NAME CONFLICT DEMAND, 111–113
name query, 18, 26, 29–38, 41, 53, 61,
69, 79, 83–89, 93, 161, 166, 180
NAME QUERY, 8, 18, 27–28, 79, 83,
85–97, 112, 116–120, 142, 166, 444,
446, 448–449
Name Refresh, 26, 76, 98
NAME REFRESH REQUEST, 98
name registration, 7, 26, 41, 62–81, 85
multi-homed, 26, 81
NAME REGISTRATION, 46, 62–84, 99,
111
MULTI-HOMED, 83, 448
name release, 26, 41, 100
NAME RELEASE, 100, 102, 112
Name Service *see* NBT Name Service
NAME_TRN_ID, 7, 25, 50, 75, 83, 122
namequery, 37
Narver, Andrew, 233
NB, 6, 28, 37, 53, 56, 91
NBDD (NetBIOS Datagram Distribution
Server), 116–125, 127–128, 142, 144,
356, 619
NBNS (NetBIOS Name Server), 9–10,
13, 18, 22, 56, 62, 75–104, 112,
117–120, 127–128, 141–142, 161,
165, 341–344, 353, 355, 415, 420,
426, 444, 447, 454, 457, 619
poisoning, 301
NBSTAT, 6, 28, 53, 56, 103

NBT

- Datagram Service, 6, 10, 12, 17, 114–128, 131, 321, 351, 363, 377
- LAN *see* NBT vLAN
- name, 22, 28, 30, 41–42, 45, 53–56, 81, 120, 126, 142, 349
see also NetBIOS name
- Name Service, 6–11, 15, 17, 25–28, 32, 41, 45, 48–62, 80, 89, 107, 114, 120, 130, 142–143, 166, 355, 364, 428
- namespace, 22, 296, 344, 421, 427
- scope, 12, 41, 44, 81, 86, 105, 117, 125, 131, 160, 353, 355
- Scope ID, 14, 22–23, 31, 37, 44–45, 53, 86, 105, 116, 124, 131, 161, 457, 616, 619, 621
- Session Service, 6, 11, 15, 17, 129–140, 143, 150, 162, 220, 376, 395
- vLAN, 13–44, 80, 104, 114–115–141, 355, 426, 454
- nbtstat, 30, 32, 38, 101, 442
- NEGOTIATE PROTOCOL (NegProt), 182, 186, 192, 205, 221, 224–239–251, 261, 270, 272, 290, 297, 309, 314
- Neko, xxix, 20, 22, 29, 32
- Nelis, Paul, xxix
- nerp, 378
- NetBEUI, xxx, 205, 426–427, 620
- NetBIOS (Network Basic Input Output System), xxiv, xxv, xxviii, xxx, 17, 115, 125, 148, 296, 338, 426, 454, 456, 620
- API, xxviii, 3, 5–6, 15, 28, 41, 115, 125–126, 150, 338, 351
- LAN, 6
see also NBT vLAN
- name, 7–19–25, 29, 37, 41–48, 75, 81, 85, 105, 116, 131, 143, 155, 159–160, 163–164, 175, 178, 236, 253, 261, 280, 284, 339–342, 351, 354, 362, 365, 384, 388, 428, 439–449, 454–455, 457
see also NBT name
- namespace *see* NBT namespace
- vLAN (virtual LAN) *see* NBT vLAN
- NetMon, 17, 30, 150, 200, 442
- NetrShareEnum, 409
- NetServerEnum2, 362–363, 376, 383, 388, 394–395, 402, 406, 409, 416, 423, 426
- NetShareEnum, 406–407, 409, 420
- Network Neighborhood, xxiii, xxv, xxvii, 321, 337, 339, 341, 345, 347, 349, 353, 361, 395, 411, 419, 425–426, 431
- nmbd, 100, 139
- nmblookup, 32, 106, 446
- node status, 53, 103, 166
see also adapter status
- NODE STATUS, 28, 56, 104–105, 107, 446
- node type (B, P, M, H), 7, 10, 12, 18, 85, 97, 116, 414, 427, 449, 457
 - B *see* B mode
 - H *see* H mode
 - M *see* M mode
 - P *see* P mode
- Norton, Virginia, xxix
- NSCOUNT, 27, 51
- NT Domain, xxv, xxviii, 11, 38, 143, 236, 253, 280, 283–284, 620
controller see DC
- NT Hash, 275
- NT LM 0.12, 188, 221–224, 227, 235, 239, 253, 255, 261–262, 264, 315, 330
- NT RAS (NT Remote Access Service), 401
nt_domain<1B>, 344, 443, 449, 620
nt_domain<1C>, 344, 443, 448–449, 615, 620
- NT_STATUS, 183, 198, 202, 206, 215, 248, 291, 326
- nterr.h, 199
- NTFS (New Technology File System), 312, 329
- NNTLM
 - challenge/response, 258, 275–276, 279, 284
 - Hash, 275, 279, 302
- NNTLMSSP, 293
- NNTLMv2 (NNTLM version 2)
 - challenge/response, 278, 280–281, 284, 286
 - hash, 279, 283, 302

ntohl(), 51, 193
 ntohs(), 51, 193
 NTtrans (SMB_COM_NT_TRANSACT), 320, 408

O

OEMDomainName, 237
 Oolong, 437
 OPBATCH, 203
 OPEN_ANDX (SMB_COM_OPEN_ANDX), 204, 315
 OpLocks, 192, 203, 237, 248, 323–326
 OS/2, 4, 120, 147, 154, 157, 182, 198, 203–204, 208, 211, 222, 242, 328, 338, 362, 452

P

P mode, 9–10, 13, 41, 44, 62, 66, 77–86, 117–119, 122, 142, 161, 356, 414, 426, 428, 449
 PAC (Privilege Access Certificate), 294
 patent, 231
 PC-DOS *see* DOS
 PDC (Primary Domain Controller), 201, 298, 343, 414, 423, 428, 443, 614–615, 620
see also DC, BDC
 Perens, Bruce, xxx
 Phrep, 620
 PID (Process IDentifier), 181, 184, 197, 208, 211, 230, 245
 Potential Browser, 344, 350, 353–354, 356, 383, 389, 411–412, 426, 621
 Potter, Tim, 17
 Preferred Master Browser, 411, 415, 417
 PrimaryDomain, 253, 299
 primates, 333
 Provider *see* Browse Service Provider
 PWDump, 274

Q

QDCOUNT, 27, 51
 QUESTION_CLASS, 28, 32, 53
 QUESTION_NAME, 53, 63
 QUESTION_RECORD, 46, 63
 QUESTION_TYPE, 28, 32, 53

R

rabbit-pellet mode, 298
 Rachel, xxix
 Ranum, Marcus, 411
 RAP (Remote Access Protocol), 250, 256, 259, 318, 321, 334, 351, 354, 361, 363, 370, 377, 383, 394–395, 406, 408, 420
 raw read/write mode (READ RAW/WRITE RAW), 231, 242
 raw transport *see* naked transport
 RCODE, 27, 49, 62, 68, 76, 84, 91, 93, 102
 RDATA, 57, 63–64, 68, 91, 96, 100, 105–106
 READ_ANDX (SMB_COM_READ_ANDX), 246, 315
 recursion *see* recursion
 recv(), 70, 93, 107, 133, 168, 315
 redirector, 203, 242, 307
 RequestElection, 356, 379, 383, 392, 411–413, 427
 RequireSecuritySignature, 306
 ResetBrowserState, 379, 390
 RETARGET SESSION RESPONSE, 133, 138
 RFS_ERR, 5, 50, 77, 91, 103
 RPC (Remote Procedure Call) *see* MS-RPC
 RR_CLASS, 6, 56
 RR_NAME, 6, 46, 56, 63, 105
 RR_TYPE, 6, 56, 90–91

S

SAM (Security Accounts Manager), 295–298, 303
 Samba, xxvi, xxix, 9, 14, 18, 30, 32, 50, 76, 106, 112, 120, 133, 143, 150, 154, 158, 164, 176–177, 179, 188, 193, 199, 223, 232, 236, 246, 253, 259, 262–264, 276, 284, 298, 310, 312–313, 329, 338, 343, 361–362, 397, 400, 415, 419–423, 426–428, 440, 451
 eXPerience conference, xxvii
 Team, xxvi, xxix, xxx, 17, 149, 199, 206, 223, 231, 236, 276, 289, 302–303, 310, 451

- technical mailing list, xxvii, xxix, 232, 314, 451
 - Samba-TNG, xxvi, xxvii, xxix, 276, 283, 285
 - Schneier, Bruce, 266, 277, 294
 - scones, 436
 - scope *see* NBT scope
 - security level
 - Share *see* Share Level Security
 - User *see* User Level Security
 - SecurityBlob, 236, 252, 256, 290–291
 - SecurityMode, 228, 261, 272
 - Server Service *see* SMB Server Service
 - Session Service *see* NBT Session Service
 - SESSION SETUP, 188, 192, 198, 209, 232, 239–256, 258, 264, 272–273, 275, 290, 298, 304, 309, 313, 343, 361
 - SessionKey, 231, 241–242, 244
 - Shakespeare, William, xxiii, 239
 - Share Level Security, 193, 210, 230, 239, 259, 261, 264, 272–273, 311
 - Sharpe
 - Richard, xxvi, 17, 284, 451
 - Thang, 9, 277
 - SMB (Server Message Block), 148, 177, 614, 621
 - authentication *see* authentication
 - Core Plus Protocol, 222
 - Core Protocol, 148, 222
 - dialect *see* dialect
 - Server Service, 32, 143, 177, 236, 361, 377, 387, 440, 621
 - Transaction, 318
 - URL, 157, 162, 260, 451–461
 - smb.conf, 176, 253, 259, 262, 264
 - SMB-LM1X.PS, 242
 - SMB-LM21.DOC, 223
 - smbclient, 154, 178–179, 188, 193, 253, 260
 - smbd, 138, 164, 200, 260, 262
 - SMBFS, 223
 - smbtorture, 201
 - SMBtrans (SMB_COM_TRANSACTION), 320–321, 351, 361, 363, 367–378, 393–402, 408
 - SNIA (Storage Network Industry Association), xxvii, 148, 333
 - CIFS Technical Reference, xxvii, 148–151, 178, 182, 192, 198–208, 221–222, 232, 234, 237–238, 241, 255, 266, 290, 303, 310, 312, 315–316, 321, 328, 331, 370, 372, 379
 - Soffer, Nir, 263
 - SPNEGO, 292, 622
 - SRV_ERR, 5, 50, 76, 91, 102
 - suffix byte, 32, 37, 42, 48, 105, 120, 141–143, 161, 166, 176, 178, 281, 283, 340–341, 390, 420, 439–447, 622
 - Sytec, 426, 620
- ## T
- Taub, Mark, xxx
 - TCP (Transmission Control Protocol), xxviii, 5–7, 10–11, 130, 139, 142, 150, 163, 180, 211, 301, 313, 361
 - naked *see* naked transport
 - port 137 *see* 137/TCP
 - port 138 *see* 138/TCP
 - port 139 *see* 139/TCP
 - port 445 *see* 445/TCP
 - TCPBEUI, 5, 622
 - TCPDump, 17, 37
 - tea, xxiii, 4, 12, 18, 38, 196, 257, 325, 435–438
 - teashop, 307, 337
 - TECO, 209
 - Terpstra, John, 129
 - TTID (Tree IDentifier), 181, 184, 188, 197, 209, 230, 245, 261, 313, 317, 370
 - Trans2 (SMB_COM_TRANSACTION2), 320, 327, 408
 - TRANS2_GET_DFS_REFERRAL, 327
 - TREE CONNECT, 191, 194, 210, 239, 264, 309–310, 361, 370
 - Tridge, xxix, 200, 252, 269, 310, 333
 - Tridgell, Andrew *see* Tridge
 - Tschalär, Ronald, 286
 - TTL (Time to Live), 55, 63, 66, 76

U

ubiqx.org, xxviii, 153, 160, 446
 UCS-2LE, 11, 206, 255, 275, 279–280, 283–284
 UDP (User Datagram Protocol), 6, 10, 107, 117–118, 122–126, 142, 363, 412
 port 137 *see* 137/UDP
 port 138 *see* 138/UDP
 UID (User Identifier), 181, 184, 188, 197, 209, 230, 245, 261
 UNC (Universal Naming Convention), 153–158, 176, 207, 311, 326, 362, 452
 Unicode, 11, 206, 237, 248, 252, 263, 275, 279–280, 284, 303, 311
 unique name, 7, 64, 68, 81, 105, 116, 118, 120, 141–143, 166, 340–341, 344, 364
 User Level Security, 211, 230, 237, 239, 261, 272–273
 UTF-16LE, 206

V

VC (Virtual Circuit), 221, 230, 241–242–245
 VFAT, 329
 VUID (Virtual User Identifier) *see* UID

W

W2K Domain (Windows2000 Domain), xxv, 284, 295–299, 339
 WACK (Wait for ACKnowledgement), 5, 26, 49–50, 77, 83
 Warwick, Bridget *see* Allison, Bridget
 web browser, 22, 44, 153, 157, 162, 299
 wildcard
 Domain Master Browser query, 420
 NetBIOS name, 86, 105, 116, 124, 446
 query, 30–31, 86
 service type string, 311
 Windows-1252 character set, 44

WINS (Windows Internet Name Service), 9, 44, 78, 119, 128, 141–143, 341, 343, 355, 426, 444, 447–449, 457, 622
 see also NBNS
 wins.dat, 100
 workgroup<00>, 340, 443
 workgroup<1B>, 342, 353, 355, 421, 443
 workgroup<1D>, 340–341, 348, 351, 444, 449
 workgroup<1E>, 340, 344, 351–353, 357, 444
 Workgroup, xxv, 38, 236, 339–344, 352, 355, 357, 380, 383–390, 397–400, 417, 421–422, 425, 428, 443, 445, 449, 452–454, 457, 622
 WRITE_ANDX (SMB_COM_WRITE_ANDX), 246, 314, 316
 WrLeh, 406
 WrLehDz, 395

X

X/Open SMB Documentation, 148, 178, 205, 221–222, 231, 267–268
 X.500, 292, 296, 618
 Xenix, 401

Y

Yerkes, Chris, xxix
 Yunnan, 437

Z

Zathras, 106
 zepto, 233