

Index

A

Access
 code, NSC connections, 48
 controls, 277, 278
 denied, 295
 permissions for tftpd, 109

Account ID (ACID)

 for ID mapping, 273

Address resolution protocol, 13

Addresses

 class A, 8
 class B, 9
 class C, 9
 hardware, 8
 Internet, 8
 Internet to hardware mapping, 14
 looking up host, 24
 physical and logical destination, 14

Addressing

 hardware, 13
 subnet, 10

Administrative environment, 316

Advanced Research Project Agency (ARPA), 4

Algorithm

 for TCP segment size, 131
 routing, 20, 162

Applications

 secure RPC, 325

ARP, 13

arp command, 60, 178

arp file, 14, 60, 62

ARPA, see Advanced Research Project Agency, 4

Authentication

 AUTH_DES style, 321
 data, 322

Autologin information, 127

Automatic

 authentication, 39

login, 38
remote login, 108

Automount

 automount daemon, 252
 facility, 252
 map creation, 245
 automount command, 249, 252

B

Basic confidence tests, 297

Batch

 network file transfers, 127

Berkeley Internet Name Domain (BIND), 179

bftp script, 127

Binary

 host database, 112

BIND, see Berkeley Internet Name Domain, 179
biqd daemons, 251

Buffer

 pool, 29

Buffered memory (mbufs), 134

Buffering, 133

C

C shell, 37

cache keyword, 82

cf directory, 29

Character

 mode, 124
 processing, 123

Checksumming, 282

CIPSO

 functional overview, 219

Clients

and keyserv, 324
confidence tests for, 297
daemons, 251
isolating, 189
NFS, 249
requirements, 313
sendmail, 85
comm_info structure, 49
Commands
 printer
 access, 73
 status control, 73
 r-series, prohibit use, 38
Comment lines
 in hosts file, 33
 in networks file, 35
conf.sn.c file, 49
Confidence tests, 297
 contents, 302
 for client, 297
config.h file, 28, 140, 141
config.mh file, 244
Configuration
 complex needs, 111
 file maps, 252
 files
 TCP/IP, 90, 99, 129, 133
 TCP/IP master copies, 31
 host name, 112
 methods for NFS, 244
 network daemons, 64
 NFS tests, 301
 of servers, 102
 tables
 FEI-3 and VAXBI connections, 49
 HIPPI connections, 52, 62
 NSC connections, 48
Configuration and installation menus
 networking
 Configurator automation options, 32, 34, 36, 40
 Configure hardware addresses, 46
 Configure inet daemon, 103
 Configure interfaces, 41, 114
 Configure protocols, 40
 Configure shells, 37
 Host address configuration, 32
 Kernel configuration, 28
 Network address configuration, 34
 Network parameters, 135, 140
 Networking services configuration, 36
 TCP/IP network parameters, 134
 Configuration file, network portion of, 58
 Configure interfaces, 56
 connect system call, 214
Connections
 direct, 5, 132
 problems, 193
 test
 FEI-3 or VME, 177
 NSC or HYPERchannel, 177
 types, 50
 direct, 47, 49
 gateway, 47
Control number, HYPERchannel, 48
Copying
 files, 258
 lines, 107

D

Daemons
 access permissions, 105
 comment out, 122
 configuration, 64
 domain name service, 25
 dynamic routing, 15
 isolating, 189
 line printer, 73
 local domain name server, 81
 lockd, 297
 Network File System (NFS), 304
 network request processing, 181, 237
 Network Time Protocol, 97

- NFS server, 247
- routing, 119, 120
- routing table management, 65
- security services, 237
- setting up, 121
- SMTP operations, 85
- snmpd operations, 89
- started by inetd, 108, 122
- starting, 122
- starting network, 102
- statd, 297
- using /etc/hosts.equiv, 38
- daemons shell script, 86
 - for local startup, 120
 - list of processes, 121
- Data
 - storage, 314
 - transmission units, 128
- Databases
 - adding, 311
 - for domain names, 314
 - new NIS, 316
 - NIS, 311, 317
 - NIS publickeybyname, 322
 - NIS user sets, 320
 - of keys, 322
 - password information, 315
 - publickeybyname, 323
- Datagrams
 - description, 18, 128
 - destination of, 20
 - routing, 163
 - size limitations, 129
 - size optimization, 151
 - tracing routes, 170
- Decimal notation, 12, 47, 49, 50, 61, 64
- Defense Data Network (DDN), 3
- Destination/gateway pairs, 20
- Destinations
 - logical, 14
 - physical, 14
- Diagnostics, hardware, 176
- Direct connections, 132
- Directories
 - available through tftp, 109
 - cf, 29
 - exporting, 246
 - file handles for, 291
 - test, 302
- directory keyword, 81
- Domain
 - name
 - resolver, 85
 - resolver routines, 81
 - server, 81, 85
 - service, 12, 25
 - domain keyword, 85
- Domains
 - adding users to NIS, 319
 - configuration, 318
 - multiple, 84
 - names
 - for networks, 314
 - in databases, 314
 - to retrieve data, 311
 - NIS, 311
- Dynamic
 - data structures, 135
 - routing, 15, 119, 121
- E**
- Echoing and line editing, 125
- Environment variables
 - used in NFS test suite, 299
- Environments, setting up, 125
- Error messages
 - NFS, 292
 - /etc/config/daemons file, 245, 246, 252
 - /etc/config/interface, 229
 - /etc/config/interfaces, 129
 - /etc/config/interfaces file, 81, 114–116
 - /etc/exports file, 245–247
 - /etc/fstab file, 251

/etc/gated.conf file, 66
/etc/hosts.equiv file, 38
/etc/initif file, 14
/etc/mountnfs file, 251
/etc/staticrts shell script, 120
/etc/xtab file, 247
Exceptions files, 256, 261
Export control, 278
exports file
 bypassing controls, 278
 global access, 279
 information, 278

F

False identification, 325
FEI-3
 connecting hosts, 5
 connection, 49
FEI-3/VME connection test, 177
File
 handle, 291
 locking, 297
 transfer
 batch network, 127
File systems
 local mounts, 244
 using remote, 243
Files
 copying from remote systems, 258
 created with nfsmerge, 262
 exporting with NFS, 246
 local system configuration, 35
 master, 82
 network-wide configuration, 31
 NFS exceptions, 256, 261
 NFS log, 262
 TCP/IP configuration, 13, 14
 writability, 127
 zone, 82
finger server, 105
fingerd server, 105

Flushing and draining of mbufs, 136
forwarders keyword, 82
Fragments, 130, 142
Front-end
 driver test, 177
fstab file, 291
ftp
 command, 37, 183
 server, 105
ftpd
 daemon, 37
 server, 106
ftpusers file, 106
Functional tests, 297

G

gated
 daemon, 15
gated daemon, 119, 163, 184
 configuration, 68
 configuration guidelines, 65
 dynamic management, 65
 with OWS, 72
gated.conf file, 21, 119–121
Gateways
 default, 18
 description, 5
 failure, 70
 for indirect routing, 15
 for traveling data, 4
 hosts used as, 8
 lighten load, 21
 network routes, 18
 preventing CRI systems, 174
General confidence tests, 297
Generic
 connect type, 214
Get.domains shell script
 for groups added, 258
 for ID map setup, 258

modifying, 271
 gethost routine, 32
 gethostbyname routine, 100
 gethostbyname variable, 100
 getnet routine, 34
 getnetbyname variable, 154
 getusershell routine, 37
 ghippi#.apr file, 60
 ghippi.arp file, 60
 gr#.arp file, 56, 63, 64
 group file, 162, 257
 examine for exceptions, 262
 for configuration, 256
 NIS, 316
 to create mapping, 259
 group.domain file, 259
Groups
 IDs, 162

H

Hanging programs, 295
 Hard/soft tabs, 124
Hardware
 address
 FEI-3, 49
 HYPERchannel, 48
 resolution, 13
 VAXBI, 49
 configuration files, 13, 14
 devices, 41, 57
 diagnostic tests, 41, 56
 iagnostics, 176
 isolating, 189
 High throughput connections, 174
HIPPI
 allocating mbufs, 27
 ARP, 14
 arp file format, 14
 connections, 50, 60
 /etc/initif, 14
 HIPPI channel

character special device nodes
 creating, 59
 connecting hosts, 5
 using "raw" mode, 58
 hit command, 177
Hop
 description, 18
 determining, 163
 hostname.txt file, 112
Hosts
 access permission information, 37
 addresses (from names), 24
 directly connected, 18
 grouping, 264
 name
 and address lookup, 24
 configuration, 112
 names and addresses, 24
 start-up scripts, 21
 used as gateways, 8
 with Internet addresses, 8
 hosts file, 12, 25, 26, 31, 47, 49, 50, 61, 64, 112, 187, 264
 hosts.bin file, 33, 112
 hosts.equiv file, 37, 39, 108, 126
 hosts.usenamed file, 81, 187
 hycf file, 13, 46, 49, 50, 52, 117, 129
HYPERchannel
 connecting hosts, 5
 hyroute command, 46, 117, 129, 178

I

I/O devices
 Configuration file, network portion of, 58
 ICMP REDIRECT messages, 69
 ID map contents, 273
ID mapping
 configuration, 256
 configuring and using, 256
 disabling, 255

domains
 description, 254
 enabling, 264
 viewing, 270
environment, 254
example, 258
exceptions files, 261
file
 creation, 259
 maintenance, 260
 setup, 258
groups, 265
host grouping, 264
in NFS, 317
names, 264
removing
 domain, 271
 maps, 270
security concerns, 278
tables, 265, 317
users, 264

ID mapping domains
 MAP_THRU, 275

ID maps, mbufs for, 28

ifconfig command, 118, 129, 163

inetd daemon, 102, 108, 181

inetd daemon list, 102

inetd server, 105

inetd.conf file, 38, 103, 108, 109, 181, 187

initif shell script, 114, 117

Installation
 setting options, 230

Interface
 initialization, 113, 118
 name prefix, 43
 naming, 41, 57
 specific connect type, 214

Interfaces
 labeling, 227

interfaces file, 81, 114–116, 129, 229

Internet
 addresses
 choosing, 46, 60

conversion from host names, 24
fourth octet, 14
host portion, 10
map to host/network addresses, 31
mapping to names, 12
network portion, 33
third octet, 14
to construct hardware addresses, 14
to obtain hardware addresses, 13

addressing, 8
 decimal notation, 12
 using hosts file, 12
 using resolv.conf file, 12

description, 4

protocol suite, 40

structure, 5

Internet addresses
 selection, 26

Internet trivial file transfer protocol (TFTP), 109

Internetwork, description, 5

Internetworking, description, 4

IP
 datagrams
 description, 128
 size selection, 130
 packet size maximum, 130
 protocol, 130

IP Basic Security Option (IP BSO)
 functional overview, 219

K

kerbd daemon, 249

Kerberos authentication, 109, 223, 281

Kernel
 code, TCP/IP, 27
 map manipulation, 264
 networking variables, 112
 tables initialization, 119
 variables
 initialize, 29

set or change, 29
 SUBNETSARELOCAL, 133, 149
 keylogin process, 324
 Keys, public and private, 322
 keyserv process, 319, 323
 Korn shell, 37
 ksh shell, 125

Low delay connections, 174
 lpc command, 73
 lpd command, 73
 lpd daemon, 73
 lpq command, 73
 lpr command, 73
 lprm command, 73

L

Labels
 interface, 228
 network, 227
 interface, 237
 remote object, 220
 system, 231
 LAN, see Local area network, 5
 Line printer daemon, 73
 Local
 area network (LAN), 5
 domain name server, 81
 shell scripts
 TCP/IP, 111, 119, 123
 start-up script (TCP/IP), 120
 subnets, 132
 lockd, 297
 Log files
 ID map identification, 262
 Logical
 address
 FEI-3 and VAXBI connections, 49
 NSC connections, 47
 Login
 names
 consistent set, 317
 in UDB, 320
 root, 39
 shells, 37
 login server, 105
 Loop-back
 interface, 82
 mode test, 177

M

Magic cookie, 215
 Mail address interpreting, 88
 makehostname shell script, 112
 Management Information Base (MIB), 347
 variables
 address translation group, 348
 ICMP group, 349
 interface group, 347
 IP group, 348
 SNMP group, 351
 system group, 347
 TCP group, 350
 UDP group, 350
 Map tables, 265
 Map-through facility, 265
 MAP_THRU ID maps, 275
 Mapping
 between host addresses and names, 25
 network name/network number, 34
 Maps
 for domains, 312
 network information service (NIS), 311
 database, 315
 password, 315
 nicknames, 315
 on master servers, 313
 password, 321
 Masks
 default for hosts and networks, 264
 subnet, 11, 118
 Master

and slaves, 313
server, 83
servers, CRI systems, 321

Maximum transmission unit (mtu)
changing for interface, 150
description, 129
FEI-3 and VAXBI connections, 49
HIPPI connections, 51
inbound, 151
interface, 129
NSC connections, 48
selecting
 for networks, 149
 HYPERchannel interface, 148
 optimal values, 149
set value, 129
size, 132
 configuration, 120
 policy decision, 152
specifying through route, 151

Mbufs
allocating, 27, 135, 136
description, 134
determining, 27
draining, 136
mbuf pool flushing, 135
monitoring, 136
new value, 29
pool, 134
private queues, 136
setting, 27, 28
space shortage, 136

Memory requirements, 133

Menu system, see Configuration and installation menus, 28

Merge.domains shell script, 275
 creating ID map files, 259
 exceptions, 262
 file maintenance, 260

Message
header
 building, 14
 customizing, 14

Messages
 ICMP REDIRECT, 69
MIB, see Management Information Base, 347

Minor device number, 51
mkbinhost command, 33, 112
mode character command, 124

Mount
 control, 278
 remote file systems, 249

mount command
 fails, 291
 list of steps, 292

mountd command, 247

mountd daemon, 285

mountd shell script, 278

mountnfs shell script, 246

MSS option, 133

Mtu, see Maximum transmission unit, 129

N

named daemon, 25, 81
 as master server, 83
 as slave server, 82

named.boot file, 81, 82

nameserver keyword, 85

.netrc file, 106, 125

netstart shell script, 110

netstat command, 129, 136, 163, 178, 189–191

nettest command, 180

netvar command, 27, 29, 133, 175

netvar shell script, 112, 141

netvar.conf file, 112, 133

Network
 access violations, 238
 bandwidth, 141
 components, failing, 188
 daemon security services, 237
 databases, 311
 description example, 257
 example, 146

interfaces, 113
 configuration, 41, 56
 labeling, 227, 228
labeling
 interfaces, 237
load balancing, 159
monitoring, 178
number, 33
packet description, 18
peak efficiency, 134
problem
 location, 191
 solving strategy, 185
problems
 and solutions, 191
route labeling, 227
routing, 154
security
 installation, 230
services, 180
software, isolating, 190
testing/diagnosing, 179
tools for troubleshooting, 176
traffic routing, 119
troubleshooting, 175
tuning, 128
UNICOS security
 operations, 224
 options, 225
Network access list (NAL), 219, 220
 display, 220
Network File System (NFS)
 administering, 244
 automount facility, 252
 background mounts, 251
 client daemons, 251
 clients, 249
 configuration methods, 244
 daemons, 247, 248
 default, 244
 description, 243
 environment, 317
 ID mapping, 254, 317
 in NIS domain, 317
 installation options, 226
 installing, 244
 local scripts and files, 246
 manual configuration, 246
 mount daemon, 247
 mounting problems, 284
 performance factors
 file system configuration, 305
 mount command parameters, 304
 network speed, 306
 NFS_MAXDATA parameter, 303
 servers, 246, 247
 test suite, 299
 troubleshooting, 283
 typical environment, 253
 UNICOS ICMS use, 244
Network Information Center, 27
Network information service (NIS)
 adding users, 319
 administration, 309
 changing data, 316
 data storage, 314
 domains, 311
 installation, 317
 maps, 311
 UNICOS security, 321
Network Systems Corporation (NSC)
 connection test, 177
 connections, 46
Network Time Protocol (NTP), 97
 servers, 101
Networks
 directly connected, 21
 networks file, 33, 187, 264
 newaliases command, 85
 NFS, see Network File System, 243
 nfsaddhost command, 264
 nfsd daemon, 248
 nfslist sample, 271
 nfsmerge command, 259, 262
 nfsstart shell script, 246, 251, 265

NFSTESTDIR environment variable, 299
NFSTESTDIR variable, 301
Nicknames for maps, 315
nmake command, 29
NSC, see Network Systems Corporation, 46
nslookup command, 179
ntalkd server, 107
NTP, see Network Time Protocol, 97
ntp.conf file, 99, 101
ntpd daemon, 97, 98
nx command, 177

P

packets
 datagrams in, 128
 lost, 135
 routing, 6
parameters
 networking, 28, 214
passive hosts, 101
passive keyword, 101
passwd file, 39, 108, 256, 257
 examine for exceptions, 262
 for configuration, 256
 to create mapping, 259
passwd.domain file, 259
password
 changing, 316
 control, 321, 315
 file generation, 315
path mtu discovery, 130
pcnfsd daemon, 248
peer keyword, 100
performance
 confidence tests (NFS), 297
 NFS, 303
permission checking, 278
physical address, 48
ping command, 179, 187, 189, 190
port
 alternate, 127

portmap daemon, 285
precision keyword, 100
primary keyword, 82, 83
printcap file, 73
Printer configuration, 73
private
 keys, encrypting/decrypting, 323
 queues, 136
protocol
 number, 40
 RIP, 65
 specification, 40
 type, 104
protocols file, 40
pseudo terminal
 device, 108
public and private keys, 322
public keys, 323

R

R-series commands
 for automatic authentication, 39
 prohibit use, 38
rc shell script, 110
rcp command, 107, 108
real time, 99
recursive queries, 83–85
reduce(8) command, 241
reference clocks, 101
remote
 hosts, 220
 mount failure, 291
 object labels, 220
 site, bftp access, 127
remote procedure call (RPC) subsystem
 UNICOS security, 321
resolv.conf file, 12, 85
rexecd daemon, 38
rexecd server, 107
.rhosts file, 38, 39, 108, 126

rlogin command, 108
rlogind daemon, 38
rlogind server, 107
root login name, 39
Root permission, 105
Route
 labeling, 173
route command, 21, 23, 151, 154, 163, 191
Routes
 direct and indirect, 15
 forwarding/no forwarding, 175
 labeling, 227
 restrictions, 120
 tracing, 170, 171
 tracing between hosts, 165
Routines
 domain name resolver, 81
Routing
 algorithm, 20, 162
 controlled by group IDs, 162
 daemon, 120
 example, 15, 16, 18
 for network, 154
 hosts, 157
 inclusive/exclusive, 162
 of information, 15
 problem diagnosis and fix, 163
 procedure, 17
 setting up, 119
 static, 120
 table examples, 167
 tables, 20, 21
 configuration, 155
 example, 21, 23
 inspection, 163
 management, 65
 number of mbufs, 28
RPC, see Remote procedure call, 321
rsh command, 108
rshd daemon, 38
rshd server, 107
runtests shell script
 for test suite, 302

S

scytest command, 177
sdaemon shell script, 119, 120, 122, 246
secondary keyword, 83
Secure
 communications, 324
 RPC
 authentication, 322
 with keylogin, 324
 with keyserv, 319, 324
Security
 concerns
 with NFS, 277
 with TCP/IP, 39, 215
 disable tftp, 105, 109
 Kerberos authentication, 281
 levels, 279
 risks, 39
 trace information, 215
 translation tables, 236
 troubleshooting, 238
 with ID mapping, 272
Security labels, 228
Segments
 description, 142
 optimal size, 146
 size, 132
 acceptance, 133
 selection, 131
segments
 carried in IP datagrams, 128
sendmail facility, 183
 configuration file, 86
 daemon, 85
 file, 85
 problems, 208
sendmail.cf file, 86
server keyword, 100
Server/agent snmpd, 89
Servers
 and keyserv, 324

as root, 325
BIND, 179
caching, 82
caching-only, 81, 82, 84
Cray Research as slave, 318
CRI systems, 318, 321
domain name, 26, 81, 85
dying, 295
finger, 105
fingerd, 105
forwarding, 82, 84
ftp, 105
ftpd, 106
inetd, 105
login, 105
master, 82–84, 311
masters and slaves, 313
NFS, 246
not as root, 325
ntalkd, 107
NTP, 101
primary master, 83
requirements, 313
rlogind, 107
root domain name, 82
rshd, 107
secondary master, 83
shell, 105
slave, 81, 82, 84, 311
srexecd, 107
strata categories, 101
telnet, 105
telnetd, 108
tftp, 105
tftpd, 109
timeservers, 97
using ID mapping, 270
Service name, 104
Services (NIS)
 distributed, 309
 look-up, 309
 network information, 309
 servers and clients, 312
services file, 35, 187
Set.domains shell script
 called from nfsstart, 265
 disabling ID mapping, 256
 enabling ID mapping, 246
Setuid programs, 278
Shell scripts
 local
 TCP/IP, 111, 119, 123
 network startup, 21
shell server, 105
Shells
 ksh, 125
 tcsh, 125
shells file, 37
Simple Mail Transfer Protocol (SMTP)
 commands, 64
 daemons, 85
 operations, 85
Simple Network Management Protocol (SNMP), 171
 agent access, 90
 commands, 64
 daemons, 89
 operations, 89
Single-threaded/multithreaded, 105
slave keyword, 82
Slave servers, 82, 318
SMTP, see Simple Mail Transfer Protocol, 85
snmpd daemon, 89
snmpd.conf file, 90
snmproute command, 171, 179, 191
Sockbufs, see Sockets, buffers, 141
socket system call, 214
Sockets
 buffers
 changing size limits, 145
 default size, 142
 description, 141
 size limits, 142
 description, 141
 required mbufs, 28

- type, 104
- Special**
 - character processing, 124
 - confidence tests, 297
- Standard shell**, 37
- Startup**
 - information for named, 81
 - procedure not tcpstart, 121
 - procedure not using tcpstart, 117
 - procedure, using tcpstart, 110
- statd**, 297
- Static routing**, 15, 120
- Static routing alternative**, 65
- staticrts shell script**, 21, 119–121
- stderr file**, 108
- stdin file**, 108
- stdout file**, 108
- Subnet**
 - addressing, 10, 132
 - mask, 11, 118
- SUBNETSARELOCAL kernel variable**, 133
- Super server**, 102
- Supported NIS databases**, 315
- sysctl command**, 29, 175
- System**
 - changes, monitoring and controlling, 188
 - initialization, start-up scripts, 21
 - label checking, 231
 - message display, 109

- T**
- Tab settings**, 123
- Tables**
 - kernel, 119
 - routing, 20, 21, 23, 155, 163
 - user authentication, 125
- TCP/IP**, see **Transmission Control Protocol/Internet Protocol**, 3
- TCP_MSS variable**, 132
- TCP_NMBSPACE parameter**, 28
- tcpstart file**, 129
- tcpstart shell script**, 29, 98
- tcpstart.mid shell script**, 119
- tcpstart.pre shell script**, 111
- tcpstart.pst shell script**, 123
- tcs shell**, 125
- telnet command**, 109, 181
 - linemode feature, 123
- telnet server**, 105
- Telnet Virtual Terminal Protocol**, 108
- telnetd**
 - daemon, 108
 - server, 108
- Terminal**
 - characteristics, 108
 - input, simulated, 125
- TESTARG environment variable**, 299
- TESTS**
 - environment variable, 299
- Tests**
 - hardware diagnostic, 41, 56
 - NFS confidence, 301
- tftp file**, 109
- tftp server**, 105
- TFTP**, see **Internet trivial file transfer protocol**, 109
- tftpd server**, 109
- tftpd.conf file**, 109
- Time warp**, 98
- Timeservers**, 97
- TOS labels**, 173
- tpd command**, 106
- Trace**
 - entry headers, 214
 - facility, 214
 - information
 - collected from the kernel, 215
 - formatting, 217
 - security concerns, 215
 - socket, 214
 - socket status, 218
- traceroute command**, 170, 179
- Translation tables**
 - creating, 236

- Transmission Control Protocol/Internet Protocol (TCP/IP)
 - basics, 4
 - component interaction, 185
 - configuration issues, 24
 - configuring kernel code, 27
 - datagrams, 128
 - description, 3
 - hardware and software required, 3
 - installation, 23
 - MSS option, 133
 - new network, 26
 - protocol, 141
 - segment size selection, 131
 - specific connect type, 214
- trcollect command, 180, 217
- trformat command, 180, 191, 217
- Troubleshooting
 - networking
 - examples, 193
 - guidelines, 192
- NFS, 283
- U
 - UDP, see User Datagram Protocol, 282
 - uidmaps directory
 - files with nfsmerge, 262
 - for ID mapping commands, 256
 - groups subdirectory, 256
 - users subdirectory, 256
- UNICOS ICMS
 - File system configuration (fstab), 245
 - NFS configuration, 245
 - System daemons configuration, 245
- UNICOS security
 - authentication, 223
 - configuration example, 228
 - daemon services, 237
 - ID maps, 274
 - installation guidelines, 224
 - privileges, 219
- V
 - Variables
 - kernel networking, 112
 - VAXBI
 - connection, 49
 - vht command, 177
- Y
 - Yellow pages, see Network information service (NIS), 309

Z

file, 83

Zone