

Interrupt List, part 10 of 18

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-----N-21F2-----

INT 21 u - Novell NetWare v3.01+ shell interface - MULTIPLEXOR

AH = F2h

AL = function (see #02095)

(subfunction stored in various places in the request packet,
depending on function number; see individual entries)

CX = length of request buffer

DX = length of reply buffer (0000h if no reply packet)

DS:SI -> request buffer

ES:DI -> reply buffer (ignored if DX=0000h)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled as appropriate for function

Note: this is a multiplexor providing a "raw" interface to the underlying

NetWare Core Protocol. Many functions which were accessed via a
separate AH function in older versions can also be accessed here,

but some NetWare 3.x calls appear to be available only here.

SeeAlso: AX=F244h,AX=F268h/SF=3Dh,#02875

(Table 02095)

Values for NetWare Core Protocol functions:

Fnc/Subfn Description

01h File Set Lock

02h File Release Lock

03h Log File (old) (see AX=F203h)

04h Lock File Set (old) (see AX=F204h)

05h Release File (see AH=CCh,AH=ECh"NetWare")

06h Release File Set (see AH=CDh"NetWare")

07h Clear File (see AH=CEh,AX=F207h)

08h Clear File Set (see AX=F208h)

09h Log Logical Record (old) (see AH=D0h"NetWare")

0Ah Lock Logical Record Set (old) (see AX=F20Ah)

0Bh Clear Logical Record (see AX=F20Bh)

0Ch Release Logical Record (see AH=D2h"NetWare")

0Dh Release Logical Record Set (see AH=D3h"NetWare")

0Eh Clear Logical Record Set (see AX=F20Eh)

0Fh Allocate Resource (see AH=D8h"NetWare")

10h Deallocate Resource (see AH=D9h"NetWare")

11h/xxh print spooling (see AH=E0h"NetWare")

11h/06h Get Printer Status

11h/0Ah Get Printer Queue
12h Get Volume Info with Number (see AH=DAh"NetWare")
13h Get Station Number (see AH=DCh"NetWare")
14h Get File Server Date and Time (NW v2.2+) (see AH=E7h"NetWare")
15h/01h Get Broadcast Message (old) (see AX=F215h/SF=01h)
15h/02h Disable Broadcasts (see AX=F215h/SF=02h)
15h/03h Enable Broadcasts (see AX=F215h/SF=03h)
15h/08h Check Pipe Status (see AH=E1h/SF=08h,AX=F215h/SF=08h)
15h/09h Broadcast to Console (see AH=E1h/SF=09h,AX=F215h/SF=09h)
15h/0Bh Get Broadcast Message (see AX=F215h/SF=0Bh)
16h/00h Set Directory Handle (see AX=F216h/SF=00h)
16h/01h Get Directory Path (see AX=F216h/SF=01h)
16h/02h Scan Directory Information (see AX=F216h/SF=02h)
16h/03h Get Effective Directory Rights (old) (see AX=F216h/SF=03h)
16h/04h Modify Maximum Rights Mask (see AX=F216h/SF=04h)
16h/05h Get Volume Number (see AX=F216h/SF=05h)
16h/06h Get Volume Name (see AX=F216h/SF=06h)
16h/0Ah Create Directory (see AX=F216h/SF=0Ah)
16h/0Bh Delete Directory (see AX=F216h/SF=0Bh)
16h/0Ch Scan Directory for Trustees (see AX=F216h/SF=0Ch)
16h/0Dh Add Trustee to Directory (see AX=F216h/SF=0Dh)
16h/0Eh Delete Trustee from Directory (see AX=F216h/SF=0Eh)
16h/0Fh Rename Directory (see AX=F216h/SF=0Fh)
16h/10h Purge Erased Files (old) (see AX=F216h/SF=10h)
16h/11h Recover Erased File (old) (see AX=F216h/SF=11h)
16h/12h Alloc Permanent Directory Handle (see AX=F216h/SF=12h)
16h/13h Alloc Temporary Directory Handle (see AX=F216h/SF=13h)
16h/14h Deallocate Directory Handle (see AX=F216h/SF=14h)
16h/15h Get Volume Info with Handle (see AX=F216h/SF=15h)
16h/16h Alloc Special Temporary Directory Handle (see AX=F216h/SF=16h)
16h/19h Set Directory Information (see AX=F216h/SF=19h)
16h/1Ah Get Path Name of Volume-Directory Number Pair (see AX=F216h/SF=1Ah)
16h/1Bh Scan Salvageable Files (old) (see AX=F216h/SF=1Bh)
16h/1Ch Recover Salvageable File (old) (see AX=F216h/SF=1Ch)
16h/1Dh Purge Salvageable File (old) (see AX=F216h/SF=1Dh)
16h/1Eh Scan a Directory (see AX=F216h/SF=1Eh)
16h/1Fh Get Directory Entry (see AX=F216h/SF=1Fh)
16h/20h Scan Volume's User Disk Restrictions (see AX=F216h/SF=20h)
16h/21h Add User Disk Space Restriction (see AX=F216h/SF=21h)
16h/22h Remove User Disk Space Restrictions (see AX=F216h/SF=22h)
16h/23h Scan Directory Space Restrictions (see AX=F216h/SF=23h)

16h/24h Set Directory Disk Space Restriction (see AX=F216h/SF=24h)
16h/25h Set Directory File Information (see AX=F216h/SF=25h)
16h/26h Scan File or Directory For Extended Trustees (see AX=F216h/SF=26h)
16h/27h Add Extended Trustee to Directory or File (see AX=F216h/SF=27h)
16h/28h Scan Directory Disk Space (see AX=F216h/SF=28h)
16h/29h Get Object Disk Usage and Restrictions (see AX=F216h/SF=29h)
16h/2Ah Get Effective Rights (see AX=F216h/SF=2Ah)
16h/2Bh Remove Extended Trustee from Dir or File (see AX=F216h/SF=2Bh)
16h/2Ch Get Volume Usage (see AX=F216h/SF=2Ch)
16h/2Dh Get Directory Information (see AX=F216h/SF=2Dh)
16h/2Eh Rename or Move (see AX=F216h/SF=2Eh)
16h/2Fh Get Name Space Information (see AX=F216h/SF=2Fh)
16h/30h Get Name Space Directory Entry (see AX=F216h/SF=30h)
16h/31h Open Data Stream (see AX=F216h/SF=31h)
16h/32h Get Object Effective Rights (see AX=F216h/SF=32h)
16h/33h Get Extended Volume Info (see AX=F216h/SF=33h)
17h/01h Change User Password (old) (see AX=F217h/SF=01h)
17h/02h Get User Connection List (old) (see AX=F217h/SF=02h)
17h/0Ch Verify Serialization (see AX=F217h/SF=0Ch)
17h/0Eh Get Disk Utilization (see AX=F217h/SF=0Eh)
17h/0Fh Scan File Information (see AX=F217h/SF=0Fh)
17h/10h Set File Information (see AX=F217h/SF=10h)
17h/11h Get File Server Information (see AX=F217h/SF=11h)
17h/12h Get Network Serial Number (see AX=F217h/SF=12h)
17h/13h Get Internet Address (old) (see AX=F217h/SF=13h)
17h/14h Login Object (see AX=F217h/SF=14h)
17h/15h Get Object Connection List (old) (see AX=F217h/SF=15h)
17h/16h Get Connection Information (old) (see AX=F217h/SF=1Ch)
17h/17h Get Encryption Key (see AX=F217h/SF=17h)
17h/18h Login Object Encrypted (see AX=F217h/SF=18h)
17h/1Ah Get Internet Address (see AX=F217h/SF=1Ah)
17h/1Bh Get Object Connection List (see AX=F217h/SF=1Bh)
17h/1Ch Get Connection Information (see AX=F217h/SF=1Ch)
17h/1Fh Get Connection List from Object (see AX=F217h/SF=1Fh)
17h/32h Create Bindery Object (see AX=F217h/SF=32h)
17h/33h Delete Bindery Object (see AX=F217h/SF=33h)
17h/34h Rename Bindery Object (see AX=F217h/SF=34h)
17h/35h Get Bindery Object ID (see AX=F217h/SF=35h)
17h/36h Get Bindery Object Name (see AX=F217h/SF=36h)
17h/37h Scan Bindery Object (see AX=F217h/SF=37h)
17h/38h Change Bindery Object Security (see AX=F217h/SF=38h)

17h/39h Create Property (see AX=F217h/SF=39h)
17h/3Ah Delete Property (see AX=F217h/SF=3Ah)
17h/3Bh Change Property Security (see AX=F217h/SF=3Bh)
17h/3Ch Scan Property (see AX=F217h/SF=3Ch)
17h/3Dh Read Property Value (see AX=F217h/SF=3Dh)
17h/3Eh Write Property Value (see AX=F217h/SF=3Eh)
17h/3Fh Verify Bindery Object Password (see AX=F217h/SF=3Fh)
17h/40h Change Bindery Object Password (see AX=F217h/SF=40h)
17h/41h Add Bindery Object to Set (see AX=F217h/SF=41h)
17h/42h Delete Bindery Object from Set (see AX=F217h/SF=42h)
17h/43h Is Bindery Object in Set (see AX=F217h/SF=43h)
17h/44h Close Bindery (see AX=F217h/SF=44h)
17h/45h Open Bindery (see AX=F217h/SF=45h)
17h/46h Get Bindery Access Level (see AX=F217h/SF=46h)
17h/47h Scan Bindery Object Trustee Paths (see AX=F217h/SF=47h)
17h/48h Get Bindery Object Access Level (see AX=F217h/SF=48h)
17h/49h Is Station a Manager? (see AX=F217h/SF=49h)
17h/4Ah Keyed Verify Bindery Object Password (see AX=F217h/SF=4Ah)
17h/4Bh Keyed Change Bindery Object Password (see AX=F217h/SF=4Bh)
17h/4Ch List Relations of an Object (see AX=F217h/SF=4Ch)
17h/64h Create Queue (see AX=F217h/SF=64h)
17h/65h Destroy Queue (see AX=F217h/SF=65h)
17h/66h Read Queue Current Status (old) (see AX=F217h/SF=66h)
17h/67h Set Queue Current Status (old) (see AX=F217h/SF=67h)
17h/68h Create Queue Job and File (old) (see AX=F217h/SF=68h)
17h/69h Close File and Start Queue Job (old) (see AX=F217h/SF=69h)
17h/6Ah Remove Job From Queue (old) (see AX=F217h/SF=6Ah)
17h/6Bh Get Queue Job List (old) (see AX=F217h/SF=6Bh)
17h/6Ch Read Queue Job Entry (old) (see AX=F217h/SF=6Ch)
17h/6Dh Change Queue Job Entry (old) (see AX=F217h/SF=6Dh)
17h/6Eh Change Queue Job Position (see AX=F217h/SF=6Eh)
17h/6Fh Attach Queue Server to Queue (see AX=F217h/SF=6Fh)
17h/70h Detach Queue Server from Queue (see AX=F217h/SF=70h)
17h/72h Finish Servicing Queue Job (old) (see AX=F217h/SF=72h)
17h/74h Change to Client Rights (old) (see AX=F217h/SF=74h)
17h/75h Restore Queue Server Rights (see AX=F217h/SF=75h)
17h/76h Read Queue Server Current Status (old) (see AX=F217h/SF=76h)
17h/77h Set Queue Server Current Status (see AX=F217h/SF=77h)
17h/78h Get Queue Job File Size (old) (see AX=F217h/SF=78h)
17h/79h Create Queue Job and File (see AX=F217h/SF=79h)
17h/7Ah Read Queue Job Entry (see AX=F217h/SF=7Ah)

17h/7Bh Change Queue Job Entry (see AX=F217h/SF=7Bh)
17h/7Dh Read Queue Current Status (see AX=F217h/SF=7Dh)
17h/7Eh Set Queue Current Status (see AX=F217h/SF=7Eh)
17h/7Fh Close File and Start Queue Job (see AX=F217h/SF=7Fh)
17h/80h Remove Job From Queue (see AX=F217h/SF=80h)
17h/81h Get Queue Job List (see AX=F217h/SF=81h)
17h/82h Change Job Priority (see AX=F217h/SF=82h)
17h/83h Finish Servicing Queue Job (see AX=F217h/SF=83h)
17h/85h Change to Client Rights (see AX=F217h/SF=85h)
17h/86h Read Queue Server Current Status (see AX=F217h/SF=86h)
17h/87h Get Queue Job File Size (see AX=F217h/SF=87h)
17h/96h Get Account Status (see AX=F217h/SF=96h)
17h/97h Submit Account Charge (see AX=F217h/SF=97h)
17h/98h Submit Account Hold (see AX=F217h/SF=98h)
17h/99h Submit Account Note (see AX=F217h/SF=99h)
17h/C8h Check Console Privileges (see AX=F217h/SF=C8h)
17h/C9h Get File Server Description Strings (see AX=F217h/SF=C9h)
17h/CAh Set File Server Date and Time (see AX=F217h/SF=CAh)
17h/CBh Disable File Server Login (see AX=F217h/SF=CBh)
17h/CCh Enable File Server Login (see AX=F217h/SF=CCh)
17h/CDh Get File Server Login Status (see AX=F217h/SF=CDh)
17h/CEh Purge All Erased Files (see AX=F217h/SF=CEh)
17h/CFh Disable Transaction Tracking (see AX=F217h/SF=CFh)
17h/D0h Enable Transaction Tracking (see AX=F217h/SF=D0h)
17h/D2h Clear Connection Number (Logout Station) (see AX=F217h/SF=D2h)
17h/D3h Down File Server (see AX=F217h/SF=D3h)
17h/D4h Get File System Statistics (see AX=F217h/SF=D4h)
17h/D5h Get Transaction Tracking Statistics (see AX=F217h/SF=D5h)
17h/D6h Get Disk Cache Statistics (see AX=F217h/SF=D6h)
17h/D7h Get Drive Mapping Table (see AX=F217h/SF=D7h)
17h/D8h Get Physical Disk Statistics (see AX=F217h/SF=D8h)
17h/D9h Get Disk Channel Statistics (see AX=F217h/SF=D9h)
17h/DAh Get Connection's Task Information (NW v2.2) (see AX=F217h/SF=DAh)
17h/DBh Get Connection's Open Files (old) (NW v2.2) (see AX=F217h/SF=DBh)
17h/DCh Get Connections Using a File (NW v2.2) (see AX=F217h/SF=DCh)
17h/DDh Get Physical Record Locks by Connection and File (old)
17h/DEh Get Physical Record Locks by File (old) (see AX=F217h/SF=DEh)
17h/DFh Get Logical Records by Connection (old) (see AX=F217h/SF=DFh)
17h/E0h Get Logical Record Information (old) (see AX=F217h/SF=E0h)
17h/E1h Get Connection's Semaphores (old) (see AX=F217h/SF=E1h)
17h/E2h Get Semaphore Information (old) (see AX=F217h/SF=E2h)

17h/E3h Get LAN Driver's Configuration Information (see AX=F217h/SF=E3h)
17h/E5h Get Connection's Usage Statistics (NW v2.2) (see AX=F217h/SF=E5h)
17h/E6h Get Object's Remaining Disk Space (see AX=F217h/SF=E6h)
17h/E7h Get File Server LAN I/O Statistics (see AX=F217h/SF=E7h)
17h/E8h Get File Server Misc Information (see AX=F217h/SF=E8h)
17h/E9h Get Volume Information (see AX=F217h/SF=E9h)
17h/EAh Get Connection's Task Information (NW v3.11+) (see AX=F217h/SF=EAh)
17h/EBh Get Connection's Open Files (NW v3.11+) (see AX=F217h/SF=EBh)
17h/ECh Get Connections Using a File (NW v3.11+) (see AX=F217h/SF=ECh)
17h/EDh Get Physical Record Locks by Connection and File (see AX=F217h/SF=EDh)
17h/EEh Get Physical Record Locks by File (see AX=F217h/SF=EEh)
17h/EFh Get Logical Records by Connection (see AX=F217h/SF=EFh)
17h/F0h Get Logical Record Information (see AX=F217h/SF=F0h)
17h/F1h Get Connection's Semaphores (see AX=F217h/SF=F1h)
17h/F2h Get Semaphore Information (see AX=F217h/SF=F2h)
17h/F3h Map Directory Number to Path (see AX=F217h/SF=F3h)
17h/F4h Convert Path to Directory Entry (see AX=F217h/SF=F4h)
17h/F5h Get File Server Extended Misc Information (see AX=F217h/SF=F5h)
17h/F6h Get Volume Extended Information (see AX=F217h/SF=F6h)
17h/FEh Clear Connection Number Greater than 250 (see AX=F217h/SF=FEh)
18h End of Job (see AH=D6h"NetWare")
19h Logout (old) (see AH=D7h"NetWare")
1Ah Log Physical Record (old) (see AH=BCh"NetWare")
1Bh Lock Physical Record Set (old) (see AX=F21Bh)
1Ch Release Physical Record (see AH=BDh"NetWare")
1Dh Release Physical Record Set (see AH=C3h"NetWare")
1Eh Clear Physical Record (see AX=F21Eh)
1Fh Clear Physical Record Set (see AX=F21Fh)
20h/xxh semaphore services (see AX=C501h"NetWare")
20h/00h Open Semaphore (old) (see AX=C500h"NetWare")
20h/01h Examine Semaphore (old) (see AX=C501h"NetWare")
20h/02h Wait on Semaphore (old) (see AX=C502h"NetWare")
20h/03h Signal Semaphore (old) (see AX=C503h"NetWare")
20h/04h Close Semaphore (old) (see AX=C504h"NetWare")
21h Negotiate Buffer Size
22h/00h TTS Is Available (see AX=C702h"NetWare")
22h/01h TTS Begin Transaction (see AX=C700h"NetWare")
22h/02h TTS End Transaction (see AX=C701h"NetWare")
22h/03h TTS Abort Transaction (see AX=C703h"NetWare")
22h/04h TTS Transaction Status (see AX=C704h"NetWare")
22h/05h TTS Get Application Thresholds (see AX=C705h"NetWare")

22h/06h TTS Set Application Thresholds (see AX=C706h"NetWare")
22h/07h TTS Get Workstation Thresholds (see AX=C707h"NetWare")
22h/08h TTS Set Workstation Thresholds (see AX=C708h"NetWare")
22h/09h TTS Get Control Flags
22h/0Ah TTS Set Control Flags
23h/01h AFP Create Directory (see AX=F223h/SF=01h)
23h/02h AFP Create File (see AX=F223h/SF=02h)
23h/03h AFP Delete (see AX=F223h/SF=03h)
23h/04h AFP Get Entry ID From Name (see AX=F223h/SF=04h)
23h/05h AFP Get File Information (see AX=F223h/SF=05h)
23h/06h AFP Get Entry ID From NetWare Handle (see AX=F223h/SF=06h)
23h/07h AFP Rename (see AX=F223h/SF=07h)
23h/08h AFP Open File Fork (see AX=F223h/SF=08h)
23h/09h AFP Set File Information (see AX=F223h/SF=09h)
23h/0Ah AFP Scan File Information (see AX=F223h/SF=0Ah)
23h/0Bh AFP Alloc Temporary Dir Handle (see AX=F223h/SF=0Bh)
23h/0Ch AFP Get Entry ID From Path Name (see AX=F223h/SF=0Ch)
23h/0Dh AFP 2.0 Create Directory (see AX=F223h/SF=0Dh)
23h/0Eh AFP 2.0 Create File (see AX=F223h/SF=0Eh)
23h/10h AFP 2.0 Set File Information (see AX=F223h/SF=10h)
23h/11h AFP 2.0 Scan File Information (see AX=F223h/SF=11h)
23h/12h AFP Get DOS Name from Entry ID (see AX=F223h/SF=12h)
23h/13h AFP Get Macintosh Info on Deleted File (see AX=F223h/SF=13h)
3Dh Commit File
3Eh File Search Initialize (FindFirst) (see AX=F23Eh)
3Fh File Search Continue (FindNext) (see AX=F23Fh)
40h Search File
42h Close File (see AX=F242h)
43h File Create (see AX=F243h)
44h File Erase (see AX=F244h)
45h File Rename
46h Set File Attributes
47h Get File Size (see AX=F247h)
48h File Read
49h File Write
4Ah File Server Copy (see AX=F24Ah)
4Bh Set File Time and Date
4Ch File Open
4Dh Create New File (see AX=F24Dh)
4Eh Allow Task Access to File (see AX=F24Eh)
4Fh Set Extended File Attributes (see AH=B6h"NetWare")

54h Open Create File (see also AX=6C00h)
55h Get Sparse File Data Block Bit Map
56h/xx extended attribute services (OS/2)
56h/01h Close Extended Attribute Handle (see AX=F256h/SF=01h)
56h/02h Write Extended Attribute (see AX=F256h/SF=02h)
56h/03h Read Extended Attribute (see AX=F256h/SF=03h)
56h/04h Enumerate Extended Attributes (see AX=F256h/SF=04h)
56h/05h Duplicate Extended Attributes (see AX=F256h/SF=05h)
57h/01h Open/Create File or Subdirectory (see AX=F257h/SF=01h)
57h/02h Initialize Search, continue with 57h/03h (see AX=F257h/SF=02h)
57h/03h Scan NS Entry Info (see AX=F257h/SF=03h)
57h/04h Rename or Move File or Subdirectory (see AX=F257h/SF=04h)
57h/05h Scan File or Subdirectory for Trustees (see AX=F257h/SF=05h)
57h/06h Obtain File or Subdirectory Information (see AX=F257h/SF=06h)
57h/07h Modify File or Subdirectory DOS Information (see AX=F257h/SF=07h)
57h/08h Delete File/Directory (see AX=F257h/SF=08h)
57h/09h Set Short Directory Handle (see AX=F257h/SF=09h)
57h/0Ah Add Trustee Set (see AX=F257h/SF=0Ah)
57h/0Bh Delete Trustee (see AX=F257h/SF=0Bh)
57h/0Ch Allocate Short Directory Handle (see AX=F257h/SF=0Ch)
57h/10h Scan Salvageable Files (see AX=F257h/SF=10h)
57h/11h Recover Salvageable File (see AX=F257h/SF=11h)
57h/12h Purge Salvageable File (see AX=F257h/SF=12h)
57h/13h Get NS Information (see AX=F257h/SF=13h)
57h/15h Get Path String from Short Directory Handle (see AX=F257h/SF=15h)
57h/16h Generate Directory Base and Volume Number (see AX=F257h/SF=16h)
57h/17h Get Name Space Info (see AX=F257h/SF=17h)
57h/18h Get Name Spaces Loaded (see AX=F257h/SF=18h)
57h/19h Write Name Space Info (see AX=F257h/SF=19h)
57h/1Ah Read Extended Name Space Info (see AX=F257h/SF=1Ah)
57h/1Bh Write Extended Name Space Info (see AX=F257h/SF=1Bh)
57h/1Ch Get NS Full Path String (see AX=F257h/SF=1Ch)
57h/1Dh Get Effective Directory Rights (see AX=F257h/SF=1Dh)
58h/01h Get Volume Audit Statistics (see AX=F258h/SF=01h)
58h/02h Add Audit Property (see AX=F258h/SF=02h)
58h/03h Login as Volume Auditor (see AX=F258h/SF=03h)
58h/04h Change Auditor Password (see AX=F258h/SF=04h)
58h/05h Check Audit Access (see AX=F258h/SF=05h)
58h/06h Remove Audit Property (see AX=F258h/SF=06h)
58h/07h Disable Auditing on Volume (see AX=F258h/SF=07h)
58h/08h Enable Auditing on Volume (see AX=F258h/SF=08h)

58h/09h Is User Audited? (see AX=F258h/SF=09h)
58h/0Ah Read Auditing Bit Map (see AX=F258h/SF=0Ah)
58h/0Bh Read Audit Config Header (see AX=F258h/SF=0Bh)
58h/0Dh Logout as Volume Auditor (see AX=F258h/SF=0Dh)
58h/0Eh Reset Auditing File (see AX=F258h/SF=0Eh)
58h/0Fh Reset Audit History File (see AX=F258h/SF=0Fh)
58h/10h Write Auditing Bit Map (see AX=F258h/SF=10h)
58h/11h Write Audit Config Header (see AX=F258h/SF=11h)
58h/13h Get Auditing Flags (see AX=F258h/SF=13h)
58h/14h Close Old Auditing File (see AX=F258h/SF=14h)
58h/15h Delete Old Auditing File (see AX=F258h/SF=15h)
58h/16h Check Audit Level Two Access (see AX=F258h/SF=16h)
5Ah/01h Get DM (Data Migration) Info (see AX=F25Ah/SF=01h)
5Ah/80h Move File Data to DM (see AX=F25Ah/SF=80h)
5Ah/81h DM File Information (see AX=F25Ah/SF=81h)
5Ah/82h Volume DM Status (see AX=F25Ah/SF=82h)
5Ah/83h Get Migration or Status Information (see AX=F25Ah/SF=83h)
5Ah/84h DM Support Module Information (see AX=F25Ah/SF=84h)
5Ah/85h Move File Data from DM (see AX=F25Ah/SF=85h)
5Ah/86h Get or Set Default Support Module (see AX=F25Ah/SF=86h)
61h Negotiate LIP Buffer, packet signing, and IPX checksums
65h Packet Burst Connection
68h/xxh NetWare 4.x directory services (subfn at DS:[SI+11h])
68h/01h NDS resolve name (see AX=F268h/SF=01h)
68h/03h NDS read property
68h/04h NDS Get Bindery Context (see AX=F268h/SF=04h)
68h/05h NDS Monitor Connection (see AX=F268h/SF=05h)
68h/16h NDS List Partitions (see AX=F268h/SF=16h)
68h/35h NDS get server address (see AX=F268h/SF=35h)
68h/36h NDS set keys
68h/39h NDS begin login
68h/3Ah NDS finish login
68h/3Bh NDS begin authenticate
68h/3Ch NDS finish authenticate
68h/3Dh NDS Logout (see AX=F268h/SF=3Dh)
68h/C8h Get DS Auditing Statistics (see AX=F268h/SF=C8h)
69h Log File (see AX=F269h)
6Ah Lock File Set (see AX=F26Ah)
6Bh Log Logical Record !!!APIREF09 line 1430
6Ch Lock Logical Record Set (see AX=F26Ch)
6Dh Log Physical Record

6Eh Lock Physical Record Set (see AX=F26Eh)
6Fh/00h Open Semaphore (see AX=F26Fh/SF=00h)
6Fh/01h Close Semaphore (see AX=F26Fh/SF=01h)
6Fh/02h Wait on Semaphore (see AX=F26Fh/SF=02h)
6Fh/03h Signal Semaphore (see AX=F26Fh/SF=03h)
6Fh/04h Examine Semaphore (see AX=F26Fh/SF=04h)
72h NetWare 4.x Time Services (see AX=F272h)
7Bh/01h Get Cache Information (see AX=F27Bh/SF=01h)
7Bh/02h Get File Server Information (see AX=F27Bh/SF=02h)
7Bh/03h Get NetWare File Systems Information
7Bh/04h Get User Information (see AX=F27Bh/SF=04h)
7Bh/05h Get Packet Burst Information
7Bh/06h Get IPX/SPX Information (see AX=F27Bh/SF=06h)
7Bh/07h Get Garbage Collection Information
7Bh/08h Get CPU Information (see AX=F27Bh/SF=08h)
7Bh/09h Get Volume Switch Information (see AX=F27Bh/SF=09h)
7Bh/0Ah Get NLM Loaded List (see AX=F27Bh/SF=0Ah)
7Bh/0Bh Get NLM Information (see AX=F27Bh/SF=0Bh)
7Bh/0Ch Get Directory Cache Information
7Bh/0Dh Get OS Version Information (see AX=F27Bh/SF=0Dh)
7Bh/0Eh Get Active Connection List by Type
7Bh/0Fh Get NLM's Resource Tag List
7Bh/14h Get Active LAN Board List (see AX=F27Bh/SF=14h)
7Bh/15h Get LAN Configuration Information (see AX=F27Bh/SF=15h)
7Bh/16h Get LAN Common Counters Information (see AX=F27Bh/SF=16h)
7Bh/17h Get LAN Custom Counters Information
7Bh/18h Get LAN Config Strings
7Bh/19h Get LSL Information
7Bh/1Ah Get LSL Logical Board Statistics
7Bh/1Eh Get Media Manager Object Information
7Bh/1Fh Get Media Manager Object List
7Bh/20h Get Media Manager Object Children List
7Bh/21h Get Volume Segment List
7Bh/28h Get Active Protocol Stacks
7Bh/29h Get Protocol Stack Configuration Information (see AX=F27Bh/SF=29h)
7Bh/2Ah Get Protocol Stack Statistics Information
7Bh/2Bh Get Protocol Stack Custom Information
7Bh/2Ch Get Protocol Stack Numbers By Media Number
7Bh/2Dh Get Protocol Stack Numbers By LAN Board Number
7Bh/2Eh Get Media Name by Media Number
7Bh/2Fh Get Loaded Media Number List

7Bh/32h Get General Router and SAP Information
 7Bh/33h Get Network Router Information (see AX=F27Bh/SF=33h)
 7Bh/34h Get Network Routers Information
 7Bh/35h Get Known Networks Information (see AX=F27Bh/SF=35h)
 7Bh/36h Get Server Information
 7Bh/38h Get Known Servers Information (see AX=F27Bh/SF=38h)
 7Bh/3Ch Get Server Set Commands Information (see AX=F27Bh/SF=3Ch)
 7Bh/3Dh Get Server Set Categories (see AX=F27Bh/SF=3Dh)

Note: the subfunction is stored at DS:SI for AL=56h,57h, DS:SI+2 for
 AL=15h-17h,23h

-----T-21F2-----

INT 21 - DoubleDOS - SEND CHARACTER TO KEYBOARD BUFFER OF OTHER JOB

AH = F2h

AL = character

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

00h successful

01h buffer full (128 characters)

SeeAlso: AH=E2h"DoubleDOS",AH=F1h"DoubleDOS",AH=F3h"DoubleDOS"

SeeAlso: AH=F8h"DoubleDOS"

-----N-21F203-----

INT 21 - Novell NetWare - LOG FILE (OLD)

AX = F203h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02477 at AX=F269h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F204h,AX=F269h,AH=EBh"NetWare"

-----N-21F204-----

INT 21 - Novell NetWare - LOCK FILE SET (OLD)

AX = F204h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02096)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F203h,AX=F26Ah,AH=CBh"NetWare"

Format of NetWare "Lock File Set (old)" request packet:

Offset Size Description (Table 02096)

00h WORD lock timeout in clock ticks (0000h = don't wait)

-----N-21F207-----

INT 21 - Novell NetWare - CLEAR FILE

AX = F207h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02097)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=CEh,AH=EDh"NetWare",AH=F2h"NetWare",AX=F208h

Format of NetWare "Clear File" request packet:

Offset Size Description (Table 02097)

00h BYTE directory handle

01h BYTE length of filename

02h N BYTES filename

SeeAlso: #02098

-----N-21F208-----

INT 21 - Novell NetWare - CLEAR FILE SET

AX = F208h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02098)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=CFh"NetWare",AH=F2h"NetWare",AX=F207h

Format of NetWare "Clear File Set" request packet:

Offset Size Description (Table 02098)

00h BYTE lock flag (nonzero to lock)

SeeAlso: #02097

-----N-21F20A-----

INT 21 - Novell NetWare - LOCK LOGICAL RECORD SET (OLD)

AX = F20Ah

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02479 at AX=F26Ch)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F204h,AX=F26Ch,AH=D1h"NetWare"

-----N-21F20B-----

INT 21 - Novell NetWare - CLEAR LOGICAL RECORD

AX = F20Bh
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02099)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=D4h"NetWare",AH=F2h"NetWare",AX=F207h,AX=F20Eh

Format of NetWare "Clear Logical Record" request packet:

Offset	Size	Description (Table 02099)
00h	BYTE	length of record name (max 128)
01h	N BYTES	logical record name

SeeAlso: #02100

-----N-21F20E-----

INT 21 - Novell NetWare - CLEAR LOGICAL RECORD SET

AX = F20Eh
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02100)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=D5h"NetWare",AH=F2h"NetWare",AX=F207h,AX=F20Bh

Format of NetWare "Clear Logical Record Set" request packet:

Offset	Size	Description (Table 02100)
00h	BYTE	lock flag

SeeAlso: #02099

-----N-21F211SF06-----

INT 21 - Novell NetWare - GET PRINTER STATUS

AX = F211h subfn 06h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02101)
ES:DI -> reply buffer (see #02102)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=E0h"NetWare",AH=F2h"Novell",AX=F211h/SF=0Ah

Format of NetWare "Get Printer Status" request packet:

Offset	Size	Description (Table 02101)
00h	WORD	length of following data
02h	BYTE	06h (subfunction "Get Printer Status")

03h BYTE target printer number (00h-04h)

SeeAlso: #02102,#01814

Format of NetWare "Get Printer Status" reply packet:

Offset Size Description (Table 02102)

00h BYTE flag: printer halted if FFh

01h BYTE flag: printer off-line if FFh

02h BYTE current form type

03h BYTE redirected printer number

SeeAlso: #02101

-----N-21F211SF0A-----

INT 21 - Novell NetWare - GET PRINTER QUEUE

AX = F211h subfn 0Ah

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02103)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F211h/SF=06h

Format of NetWare "Get Printer Queue" request packet:

Offset Size Description (Table 02103)

00h WORD length of following data

02h BYTE 0Ah (subfunction "Get Printer Queue")

???

-----N-21F212-----

INT 21 - Novell NetWare - GET VOLUME INFO WITH NUMBER

AX = F212h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02104)

ES:DI -> reply buffer (see #02105)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=15h,AX=F217h/SF=E9h

Format of NetWare "Get Volume Info with Number" request packet:

Offset Size Description (Table 02104)

00h BYTE volume number

SeeAlso: #02105

Format of NetWare "Get Volume Info with Number" reply packet:

```

Offset  Size  Description (Table 02105)
00h  WORD  sectors per cluster
02h  WORD  total clusters in volume
04h  WORD  free clusters
06h  WORD  total directory entries for volume (FFFFh if not relevant)
08h  WORD  available directory entries (FFFFh if not relevant)
0Ah  16 BYTES volume name
1Ah  WORD  removability
      0000h fixed media
      FFFFh removable

```

SeeAlso: #02104

-----N-21F214CX0000-----

INT 21 - Novell NetWare - GET FILE SERVER DATE AND TIME

```

AX = F214h
CX = 0000h (no request packet)
DX = length of reply packet in bytes
ES:DI -> buffer for reply packet (see #02106)

```

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"NetWare",AH=E3h/SF=CAh,AH=E7h"NetWare"

Format of NetWare "Get File Server Date and Time" reply packet:

```

Offset  Size  Description (Table 02106)

```

```

00h  BYTE  year-1900 (80-179)
01h  BYTE  month (1-12)
02h  BYTE  day (1-31)
03h  BYTE  hour
04h  BYTE  minute
05h  BYTE  second
06h  BYTE  day of week

```

SeeAlso: #02012 at AH=E3h/SF=CAh,#02087 at AH=E7h

-----N-21F215SF01-----

INT 21 - Novell NetWare - GET BROADCAST MESSAGE (OLD)

```

AX = F215h subfn 01h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #01822 at AH=E1h/SF=01h)
ES:DI -> reply buffer (see #02107)

```

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E1h/SF=01h,AX=F215h/SF=02h,AX=F215h/SF=0Bh

Format of NetWare "Get Broadcast Message (Old)" reply packet:

Offset Size Description (Table 02107)
00h BYTE length of message (00h-37h)
00h if no broadcast messages pending
01h N BYTES message (no control characters or characters > 7Eh)
SeeAlso: #01821,#01822
-----N-21F215SF02-----
INT 21 - Novell NetWare - DISABLE BROADCASTS
AX = F215h subfn 02h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #01823 at AH=E1h/SF=02h)
ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E1h/SF=02h,AX=F215h/SF=01h,AX=F215h/SF=03h
-----N-21F215SF03-----
INT 21 - Novell NetWare - ENABLE BROADCASTS
AX = F215h subfn 03h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #01824 at AH=E1h/SF=03h)
ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E1h/SF=03h,AX=F215h/SF=01h,AX=F215h/SF=02h
-----N-21F215SF08-----
INT 21 - Novell NetWare - CHECK PIPE STATUS
AX = F215h subfn 08h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #01835 at AH=E1h/SF=08h)
ES:DI -> reply buffer (see #02108)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E1h/SF=08h,AX=F215h/SF=09h

Format of NetWare "Check Pipe Status" reply packet:
Offset Size Description (Table 02108)
00h BYTE number of connections
01h N BYTES list of pipe statuses
00h open
FEh incomplete
FFh closed
SeeAlso: #01835,#01836

-----N-21F215SF09-----

INT 21 - Novell NetWare - BROADCAST TO CONSOLE

AX = F215h subfn 09h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01837 at AH=E1h/SF=09h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Note: requires Access Control rights to the target directory or its parent

SeeAlso: AH=E1h/SF=09h,AH=F2h"NetWare",AX=F215h/SF=08h

-----N-21F215SF0B-----

INT 21 - Novell NetWare - GET BROADCAST MESSAGE

AX = F215h subfn 0Bh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02109)

ES:DI -> reply buffer (see #02110)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E1h/SF=01h,AX=F215h/SF=01h

Format of NetWare "Get Broadcast Message" request packet:

Offset Size Description (Table 02109)

00h WORD length of following data

02h BYTE 0Bh (subfunction "Get Broadcast Message")

SeeAlso: #02110,#01821

Format of NetWare "Get Broadcast Message" reply packet:

Offset Size Description (Table 02110)

00h BYTE length of message

01h N BYTES message

SeeAlso: #02109,#01822

-----N-21F216SF00-----

INT 21 - Novell NetWare - SET DIRECTORY HANDLE

AX = F216h subfn 00h

CX = length of request buffer in bytes

DX = 0000h (no reply buffer)

DS:SI -> request buffer (see #01840 at AH=E2h/SF=00h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=00h,AX=F216h/SF=01h

-----N-21F216SF01-----

INT 21 - Novell NetWare - GET DIRECTORY PATH
 AX = F216h subfn 01h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #01842 at AH=E2h/SF=01h)
 ES:DI -> reply buffer (see #01843)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E2h/SF=01h,AX=F216h/SF=00h
 -----N-21F216SF02-----

INT 21 - Novell NetWare - SCAN DIRECTORY INFORMATION
 AX = F216h subfn 02h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #01844 at AH=E2h/SF=02h)
 ES:DI -> reply buffer (see #02111)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E2h/SF=02h,AX=F216h/SF=01h,AX=F216h/SF=03h

Format of NetWare "Scan Directory Information" reply packet:

Offset	Size	Description (Table 02111)
00h	16 BYTES	subdirectory name
10h	DWORD (big-endian)	date and time of creation (see #01846)
14h	DWORD (big-endian)	object ID of owner
18h	BYTE	maximum directory rights (see #01849)
19h	BYTE	unused
1Ah	WORD (big-endian)	subdirectory number

SeeAlso: #01844,#01845 at AH=E2h/SF=02h
 -----N-21F216SF03-----

INT 21 - Novell NetWare - GET EFFECTIVE DIRECTORY RIGHTS (OLD)
 AX = F216h subfn 03h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #01847 at AH=E2h/SF=03h)
 ES:DI -> reply buffer (see #02112)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=E2h/SF=03h,AX=F216h/SF=02h,AX=F216h/SF=04h,AX=F257h/SF=1Dh

Format of NetWare "Get Effective Directory Rights (old)" reply buffer:

Offset	Size	Description (Table 02112)
00h	BYTE	effective directory rights (see #01849 at AH=E2h/SF=03h)

SeeAlso: #01847,#01848 at AH=E2h/SF=03h

-----N-21F216SF04-----

INT 21 - Novell NetWare - MODIFY MAXIMUM RIGHTS MASK

AX = F216h subfn 04h

CX = length of request buffer in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01850 at AH=E2h/SF=04h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=04h,AX=F216h/SF=03h,AX=F216h/SF=05h

-----N-21F216SF05-----

INT 21 - Novell NetWare - GET VOLUME NUMBER

AX = F216h subfn 05h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #01852 at AH=E2h/SF=05h)

ES:DI -> reply buffer (see #02113)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=05h,AX=F216h/SF=02h,AX=F216h/SF=06h

Format of NetWare "Get Volume Number" reply packet:

Offset Size Description (Table 02113)

00h BYTE volume number

SeeAlso: #01852 at AH=E2h/SF=05h

-----N-21F216SF06-----

INT 21 - Novell NetWare - GET VOLUME NAME

AX = F216h subfn 06h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #01854 at AH=E2h/SF=06h)

ES:DI -> reply buffer (see #02114)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=06h,AX=F216h/SF=05h,AX=F216h/SF=0Ah

Format of NetWare "Get Volume Name" reply packet:

Offset Size Description (Table 02114)

SeeAlso: #01854,#01855 at AH=E2h/SF=06h

-----N-21F216SF0A-----

INT 21 - Novell NetWare - CREATE DIRECTORY

AX = F216h subfn 0Ah

CX = length of request buffer in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01856 at AH=E2h/SF=0Ah)
 ES:DI ignored
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=39h,AH=F2h"Novell",AH=E2h/SF=0Ah,AX=F216h/SF=0Bh
 -----N-21F216SF0B-----

INT 21 - Novell NetWare - DELETE DIRECTORY
 AX = F216h subfn 0Bh
 CX = length of request buffer in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01858 at AH=E2h/SF=0Bh)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=3Ah,AH=F2h"Novell",AH=E2h/SF=0Bh,AX=F216h/SF=0Ah
 -----N-21F216SF0C-----

INT 21 - Novell NetWare - SCAN DIRECTORY FOR TRUSTEES
 AX = F216h subfn 0Ch
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #01859 at AH=E2h/SF=0Ch)
 ES:DI -> reply buffer (see #02115)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E2h/SF=0Ch,AX=F216h/SF=0Dh

Format of NetWare "Scan Directory For Trustees" reply packet:

Offset	Size	Description (Table 02115)
02h	16 BYTES	directory name
12h	4 BYTES	date and time of creation
16h	DWORD (big-endian)	object ID of owner
1Ah	5 DWORDs (big-endian)	object IDs of Trustees 0 through 4
		00000000h = end of group
2Eh	5 BYTES	directory rights for Trustees 0 through 4 (see #01849)

SeeAlso: #01859 at AH=E2h/SF=0Ch
 -----N-21F216SF0D-----

INT 21 - Novell NetWare - ADD TRUSTEE TO DIRECTORY
 AX = F216h subfn 0Dh
 CX = length of request buffer in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01861 at AH=E2h/SF=0Dh)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Note: requires Access Control rights to the target directory or its parent

SeeAlso: AH=F2h"NetWare",AH=E2h/SF=0Dh,AX=F216h/SF=0Ch,AX=F216h/SF=0Eh

-----N-21F216SF0E-----

INT 21 - Novell NetWare - DELETE TRUSTEE FROM DIRECTORY

AX = F216h subfn 0Eh

CX = length of request buffer in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01862 at AH=E2h/SF=0Eh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=0Eh,AX=F216h/SF=0Ch,AX=F216h/SF=0Dh

-----N-21F216SF0F-----

INT 21 - Novell NetWare - RENAME DIRECTORY

AX = F216h subfn 0Fh

CX = length of request buffer in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01864 at AH=E2h/SF=0Fh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=0Fh,AX=F216h/SF=0Ah

-----N-21F216SF10-----

INT 21 - Novell NetWare - PURGE ERASED FILES (OLD)

AX = F216h subfn 10h

CX = length of request buffer in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01865 at AH=E2h/SF=10h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=10h,AX=F216h/SF=11h

-----N-21F216SF11-----

INT 21 - Novell NetWare - RECOVER ERASED FILE (OLD)

AX = F216h subfn 11h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01867 at AH=E2h/SF=11h)

ES:DI -> reply buffer (see #02116)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=11h,AX=F216h/SF=10h

Format of NetWare "Recover Erased File (Old)" reply packet:

Offset Size Description (Table 02116)

02h 15 BYTES ASCII name of erased file

11h 15 BYTEs ASCIIZ name under which file was restored

SeeAlso: #01867,#01868 at AH=E2h/SF=11h

-----N-21F216SF12-----

INT 21 - Novell NetWare - ALLOCATE PERMANENT DIRECTORY HANDLE

AX = F216h subfn 12h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01869 at AH=E2h/SF=12h)

ES:DI -> reply buffer (see #02118)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=16h,AH=E2h/SF=12h

Format of NetWare IPX fragment list entry:

Offset Size Description (Table 02117)

00h DWORD -> fragment data

04h WORD size of fragment in bytes

Format of NetWare "Allocate Permanent Directory Handle" reply packet:

Offset Size Description (Table 02118)

00h BYTE new directory handle

01h BYTE access rights

SeeAlso: #01869,#01873,#02117

-----N-21F216SF13-----

INT 21 - Novell NetWare - ALLOCATE TEMPORARY DIRECTORY HANDLE

AX = F216h subfn 13h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01871 at AH=E2h/SF=13h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=12h,AX=F216h/SF=16h,AH=E2h/SF=13h

-----N-21F216SF14-----

INT 21 - Novell NetWare - DEALLOCATE DIRECTORY HANDLE

AX = F216h subfn 14h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01872 at AH=E2h/SF=14h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=14h,AX=F216h/SF=13h,AX=F216h/SF=16h

-----N-21F216SF15-----

INT 21 - Novell NetWare - GET VOLUME INFO WITH HANDLE

AX = F216h subfn 15h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01874 at AH=E2h/SF=15h)

ES:DI -> reply buffer (see #02119)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=15h,AX=F212h,AX=F216h/SF=13h

Format of NetWare "Get Volume Info With Handle" reply packet:

Offset Size Description (Table 02119)

00h WORD (big-endian) sectors per block

02h WORD (big-endian) total blocks on volume

04h WORD (big-endian) blocks available on volume

06h WORD (big-endian) total directory slots

08h WORD (big-endian) directory slots available

0Ah 16 BYTES NUL-padded volume name

1Ah WORD (big-endian) flag: volume removable if nonzero

SeeAlso: #01874 at AH=E2h/SF=15h

-----N-21F216SF16-----

INT 21 - Novell NetWare v2+ - ALLOCATE SPECIAL TEMPORARY DIRECTORY HANDLE

AX = F216h subfn 16h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01876 at AH=E2h/SF=16h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=12h,AX=F216h/SF=13h,AH=E2h/SF=16h

-----N-21F216SF17-----

INT 21 - Novell NetWare - SAVE DIRECTORY HANDLE

AX = F216h subfn 17h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01877 at AH=E2h/SF=17h)

ES:DI -> reply buffer (see #02120)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=17h,AX=F216h/SF=18h

Format of NetWare "Save Directory Handle" reply packet:

Offset Size Description (Table 02120)

00h 16 BYTES save buffer

SeeAlso: #01877,#01878,#02121

-----N-21F216SF18-----

INT 21 - Novell NetWare - RESTORE DIRECTORY HANDLE

AX = F216h subfn 18h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01879 at AH=E2h/SF=18h)

ES:DI -> reply buffer (see #02121)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=18h,AX=F216h/SF=17h

Format of NetWare "Restore Directory Handle" reply packet:

Offset Size Description (Table 02121)

00h BYTE new directory handle

01h BYTE effective rights (see #01849)

SeeAlso: #01880,#02120

-----N-21F216SF19-----

INT 21 - Novell NetWare - SET DIRECTORY INFORMATION

AX = F216h subfn 19h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01881 at AH=E2h/SF=19h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=19h,AX=F216h/SF=17h

-----N-21F216SF1A-----

INT 21 - Novell NetWare - GET PATH NAME OF VOLUME-DIRECTORY NUMBER PAIR

AX = F216h subfn 1Ah

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01883 at AH=E2h/SF=1Ah)

ES:DI -> reply buffer (see #02122)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E2h/SF=1Ah,AX=F216h/SF=0Eh

Format of NetWare "Get Path Name Of Volume-Dir Number Pair" reply packet:

Offset Size Description (Table 02122)

00h 256 BYTEs path

SeeAlso: #01883,#01884 at AH=E2h/SF=1Ah

-----N-21F216SF1B-----

INT 21 - Novell NetWare - SCAN SALVAGEABLE FILES (OLD)

AX = F216h subfn 1Bh
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #02123)
ES:DI -> reply buffer (see #02124)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Ch,AX=F216h/SF=1Dh,AX=F257h/SF=10h

Format of NetWare "Scan Salvageable Files (Old)" request packet:

Offset	Size	Description (Table 02123)
00h	WORD	length of following data
02h	BYTE	1Bh (subfunction "Scan Salvageable Files (Old)")
03h	BYTE	directory handle
04h	DWORD	last sequence number (set to FFFFFFFFh before first call)

SeeAlso: #02124,#02399

Format of NetWare "Scan Salvageable Files (Old)" reply packet:

Offset	Size	Description (Table 02124)
00h	DWORD	next sequence number
04h	WORD	subdirectory
06h	DWORD	attributes
0Ah	BYTE	unique ID
0Bh	BYTE	flags
0Ch	BYTE	name space
0Dh	BYTE	length of filename
0Eh	14 BYTES	filename
1Ah	DWORD	creation date and time
1Eh	DWORD	owner ID
22h	DWORD	last-backup date and time
26h	DWORD	last-backup ID
2Ah	DWORD	last-modified date and time
2Eh	WORD	???
30h	DWORD	last-modified ID
34h	DWORD	file size
38h	44 BYTES	reserved
62h	WORD	inherited rights mask
64h	WORD	last-access date
66h	DWORD	deleted file's time
6Ah	DWORD	deletion date and time
6Eh	DWORD	ID of deleter
72h	16 BYTES	reserved

SeeAlso: #02123,#02400

-----N-21F216SF1C-----

INT 21 - Novell NetWare - RECOVER SALVAGEABLE FILE (OLD)

AX = F216h subfn 1Ch

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02125)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Bh,AX=F216h/SF=1Dh,AX=F257h/SF=11h

Format of NetWare "Recover Salvageable File (Old)" request packet:

Offset Size Description (Table 02125)

00h WORD length of following data

02h BYTE 1Ch (subfunction "Recover Salvageable File (Old)")

03h BYTE directory handle

04h DWORD sequence number (set to ? before first call)

08h BYTE length of filename

09h N BYTES filename in DOS format

BYTE length of new name for recovered file

N BYTES recovered filename in NetWare VOLUME:DIRECTORY/.../FILE format

SeeAlso: #02401

-----N-21F216SF1D-----

INT 21 - Novell NetWare - PURGE SALVAGEABLE FILE (OLD)

AX = F216h subfn 1Dh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02126)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Bh,AX=F216h/SF=1Ch,AX=F257h/SF=12h

Format of NetWare "Purge Salvageable File (old)" request packet:

Offset Size Description (Table 02126)

00h WORD length of following data

02h BYTE 1Dh (subfunction "Purge Salvageable File (Old)")

03h BYTE directory handle

04h DWORD directory entry

08h DWORD sequence number from Scan Salvageable Files

-----N-21F216SF1E-----

INT 21 - Novell NetWare - SCAN A DIRECTORY

AX = F216h subfn 1Eh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02127)
 ES:DI -> reply buffer (see #02128)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E2h/SF=02h,AX=F216h/SF=1Fh

Format of NetWare "Scan A Directory" request packet:

Offset Size Description (Table 02127)

00h WORD length of following data
 02h BYTE 1Eh (subfunction "Scan A Directory")
 03h BYTE directory handle
 04h BYTE search attributes
 05h DWORD sequence number
 09h BYTE length of search filespec
 0Ah N BYTES search filespec

SeeAlso: #02128

Format of NetWare "Scan A Directory" reply packet:

Offset Size Description (Table 02128)

00h DWORD sequence number (copy into next request packet)
 04h DWORD subdirectory
 08h DWORD attributes
 0Ch BYTE unique ID
 0Dh BYTE flags
 0Eh BYTE name space
 0Fh BYTE length of filename

---DOS file---

10h 12 BYTES DOS filename
 1Ch DWORD creation date and time
 20h DWORD owner ID
 24h DWORD last-archived date and time
 28h DWORD last-archived ID
 2Ch DWORD last-updated date and time
 30h DWORD last-updated ID
 34h DWORD file size
 38h 44 BYTES reserved
 64h WORD inherited rights mask
 66h WORD last-accessed date
 68h 28 BYTES reserved

---DOS subdirectory---

10h 12 BYTES DOS directory name
 1Ch DWORD creation date and time
 20h DWORD owner ID
 24h DWORD last-archived date and time
 28h DWORD last-archived ID
 2Ch DWORD last-updated date and time
 30h DWORD next trustee entry
 34h 48 BYTES reserved
 64h DWORD maximum space
 68h WORD inherited rights mask
 6Ah 26 BYTES unused

SeeAlso: #02127

-----N-21F216SF1F-----

INT 21 - Novell NetWare - GET DIRECTORY ENTRY

AX = F216h subfn 1Fh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02129)
 ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Eh

Format of NetWare "Get Directory Entry" request packet:

Offset Size Description (Table 02129)

00h WORD length of following data
 02h BYTE 1Fh (subfunction "Get Directory Entry")
 ???

-----N-21F216SF20-----

INT 21 - Novell NetWare - SCAN VOLUME'S USER DISK RESTRICTIONS

AX = F216h subfn 20h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02130)
 ES:DI -> reply buffer (see #02131)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=23h,AX=F216h/SF=29h

Format of NetWare "Scan Volume's User Disk Restrictions" request packet:

Offset Size Description (Table 02130)

00h WORD length of following data

02h BYTE 20h (subfunction "Scan Volume's User Disk Restrictions")
 03h BYTE volume number
 04h DWORD sequence number (set to 00000000h before first call)

SeeAlso: #02131

Format of NetWare "Scan Volume's User Disk Restrictions" reply packet:

Offset Size Description (Table 02131)

00h BYTE number of entries returned (max 12)
 01h 2N DWORDs restriction entries [array]
 Offset Size Description
 00h DWORD object ID
 04h DWORD maximum usage allowed (in 4K blocks)

SeeAlso: #02130

-----N-21F216SF21-----

INT 21 - Novell NetWare v3+ - ADD USER DISK SPACE RESTRICTION

AX = F216h subfn 21h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02132)
 ES:DI -> reply buffer (ignored)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AX=F216h/SF=20h,AX=F216h/SF=22h,AX=F216h/SF=24h

Format of NetWare "Add User Disk Space Restriction" request buffer:

Offset Size Description (Table 02132)

00h WORD 000Ah (length of following data)
 02h BYTE 21h (subfunction "Add User Disk Space Restriction")
 03h BYTE volume number
 04h DWORD (big-endian) object ID
 08h DWORD (big-endian) disk space limit in 4K blocks
 00000000h to 40000000h

-----N-21F216SF22-----

INT 21 - Novell NetWare - REMOVE USER DISK SPACE RESTRICTIONS

AX = F216h subfn 22h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02133)
 ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=20h,AX=F216h/SF=21h,AX=F216h/SF=23h

Format of NetWare "Remove User Disk Space Restrictions" request packet:

Offset	Size	Description (Table 02133)
00h	WORD	length of following data
02h	BYTE	22h (subfunction "Remove User Disk Space Restrictions")
???		???

-----N-21F216SF23-----

INT 21 - Novell NetWare - SCAN DIRECTORY SPACE RESTRICTIONS

AX = F216h subfn 23h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02134)

ES:DI -> reply buffer (see #02135)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=20h,AX=F216h/SF=21h,AX=F216h/SF=22h

Format of NetWare "Scan Directory Space Restrictions" request packet:

Offset	Size	Description (Table 02134)
00h	WORD	length of following data
02h	BYTE	23h (subfunction "Scan Directory Space Restrictions")
03h	BYTE	directory handle

SeeAlso: #02135

Format of NetWare "Scan Directory Space Restrictions" reply packet:

Offset	Size	Description (Table 02135)
00h	BYTE	number of entries returned
01h	10N BYTES	restrictions [array]
Offset Size Description		
00h	WORD	depth of directory from root
02h	DWORD	maximum space allowed for files in directory
04h	DWORD	current space used by files in directory

SeeAlso: #02134

-----N-21F216SF24-----

INT 21 - Novell NetWare v3+ - SET DIRECTORY DISK SPACE RESTRICTION

AX = F216h subfn 24h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02136)

ES:DI -> reply buffer (ignored)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AX=F216h/SF=21h,AX=F216h/SF=22h,AX=F216h/SF=23h,AX=F216h/SF=25h

Format of NetWare "Set Directory Disk Space Restriction" request buffer:

Offset	Size	Description (Table 02136)
00h	WORD	0006h (length of following data)
02h	BYTE	24h (subfunction "Set Directory Disk Space Restriction")
03h	BYTE	directory handle
04h	DWORD	(big-endian) disk space limit in 4K blocks 00000000h to remove restriction, negative to set to 0 blocks

-----N-21F216SF25-----

INT 21 - Novell NetWare - SET DIRECTORY/FILE INFORMATION

AX = F216h subfn 25h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02137)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=02h

Format of NetWare "Set Directory/File Information" request packet:

Offset	Size	Description (Table 02137)
00h	WORD	length of following data
02h	BYTE	25h (subfunction "Set Directory/File Information")
03h	BYTE	directory handle
04h	BYTE	search attributes
05h	DWORD	sequence number
09h	DWORD	change bits
0Dh	DWORD	directory number
11h	DWORD	attributes
15h	BYTE	unique ID
16h	BYTE	flags
17h	BYTE	name space (see #02387)
18h	BYTE	length of directory/file name
19h	12 BYTES	directory/file name
25h	DWORD	creation date and time
29h	DWORD	(big-endian) owner ID
2Dh	DWORD	last-backup date and time
31h	DWORD	(big-endian) last-backup ID
35h	DWORD	last-modification date and time
39h	DWORD	(big-endian) last-modification ID
3Dh	DWORD	file size
41h	DWORD	data fork first FAT
45h	DWORD	next trustee entry

49h 36 BYTEs reserved
6Dh WORD inherited rights mask
6Fh WORD last-access date
71h 20 BYTEs reserved
85h DWORD primary entry
89h DWORD name list

-----N-21F216SF26-----

INT 21 - Novell NetWare v3+ - SCAN FILE OR DIRECTORY FOR EXTENDED TRUSTEES

AX = F216h subfn 26h
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #02138)
ES:DI -> reply buffer (see #02139)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Desc: get up to 20 extended trustee entries per call for a file or directory

Format of NetWare "Scan File/Directory for Extended Trustees" request buffer:

Offset Size Description (Table 02138)

00h WORD length of following data
02h BYTE 26h (subfunc "Scan File or Directory For Extended Trustees")
03h BYTE directory handle
04h BYTE sequence number
 00h for first call, increment by number of returned entries
05h BYTE length of path
06h N BYTEs pathname

SeeAlso: #02138

Format of NetWare "Scan File/Directory for Extended Trustees" reply buffer:

Offset Size Description (Table 02139)

00h BYTE number of entries returned (max 20)
01h 20 DWORDs (big-endian) list of object IDs
51h 20 WORDs list of associated trustee rights

SeeAlso: #02139

-----N-21F216SF27-----

INT 21 - Novell NetWare v3+ - ADD EXTENDED TRUSTEE TO DIRECTORY OR FILE

AX = F216h subfn 27h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02140)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Format of NetWare "Add Extended Trustee to Directory or File" request buffer:

Offset	Size	Description (Table 02140)
00h	WORD	length of following data
02h	BYTE	27h (subfunction "Add Extended Trustee to Directory or File")
03h	BYTE	directory handle
04h	DWORD	(big-endian) object ID
08h	WORD	trustee rights (see #02141)
0Ah	BYTE	path length
0Bh	N BYTES	path name

Bitfields for NetWare trustee rights:

Bit(s) Description (Table 02141)

0	read
1	write
3	create
4	delete
5	access
6	file
7	modify
8	supervisor

-----N-21F216SF28-----

INT 21 - Novell NetWare - SCAN DIRECTORY DISK SPACE

AX = F216h subfn 28h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02142)

ES:DI -> reply buffer (see #02143)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=02h,AX=F216h/SF=20h

Format of NetWare "Scan Directory Disk Space" request packet:

Offset	Size	Description (Table 02142)
00h	WORD	length of following data
02h	BYTE	28h (subfunction "Scan Directory Disk Space")
03h	BYTE	directory handle
04h	BYTE	search attributes
05h	DWORD	sequence number (set to FFFFFFFFh before first call)
09h	BYTE	length of filespec
0Ah	N BYTES	search filespec

SeeAlso: #02143

Format of NetWare "Scan Directory Disk Space" reply packet:

Offset	Size	Description (Table 02143)
00h	DWORD	next sequence number
04h	DWORD (big-endian)	subdirectory number
08h	DWORD (big-endian)	attributes
0Ch	BYTE	unique ID
0Dh	BYTE	flags
0Eh	BYTE	name space (see #02387)
0Fh	BYTE	length of name
10h	12 BYTES	name
1Ch	DWORD	creation date and time
20h	DWORD	owner ID
24h	DWORD	date and time last backed up
28h	DWORD	last-backup ID
2Ch	DWORD	date and time last modified
30h	DWORD	last-modification ID
34h	DWORD	data fork size
38h	DWORD	data fork first FAT
3Ch	DWORD	next trustee entry
40h	36 BYTES	reserved
64h	WORD	inherited rights mask
66h	WORD	last-access date
68h	DWORD	deleted file date and time
6Ch	DWORD	date and time file was deleted
70h	DWORD	deleted ID
74h	8 BYTES	undefined
7Ch	DWORD	primary entry
80h	DWORD	name list
84h	DWORD	other file fork size

SeeAlso: #02142

-----N-21F216SF29-----

INT 21 - Novell NetWare v3+ - GET OBJECT DISK USAGE AND RESTRICTIONS

AX = F216h subfn 29h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02144)

ES:DI -> reply buffer (see #02145)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Note: this function returns successfully, showing no restriction, if an

invalid object ID is specified

SeeAlso: AX=F216h/SF=24h,AX=F216h/SF=33h

Format of NetWare "Get Object Disk Restrictions" request buffer:

Offset Size Description (Table 02144)

00h WORD 0006h (length of following data)

02h BYTE 21h (subfunction "Get Object Disk Restrictions")

03h BYTE volume number

04h DWORD (big-endian) object ID

SeeAlso: #02145

Format of NetWare "Get Object Disk Restrictions" reply buffer:

Offset Size Description (Table 02145)

00h DWORD disk space limit

04h DWORD disk space currently in use by object

SeeAlso: #02144

-----N-21F216SF2A-----

INT 21 - Novell NetWare - GET EFFECTIVE RIGHTS

AX = F216h subfn 2Ah

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02146)

ES:DI -> reply buffer (see #02147)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=32h

Format of NetWare "Get Effective Rights" request packet:

Offset Size Description (Table 02146)

00h WORD length of following data

02h BYTE 2Ah (subfunction "Get Effective Rights")

???

-----N-21F216SF2B-----

INT 21 - Novell NetWare - REMOVE EXTENDED TRUSTEE FROM DIR OR FILE

AX = F216h subfn 2Bh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02117,#02147)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=26h,AX=F216h/SF=27h

Format of NetWare "Remove Extended Trustee From Dir Or File" request packet:

Offset	Size	Description (Table 02147)
00h	WORD	length of following data
02h	BYTE	2Bh (subfunction "Remove Extended Trustee From Dir Or File")
03h	BYTE	directory handle
04h	DWORD	trustee's object ID
08h	BYTE	unused
09h	BYTE	length of pathname
0Ah	N BYTES	directory path in form VOLUME:DIRECTORY/.../DIRECTORY

-----N-21F216SF2C-----

INT 21 - Novell NetWare - GET VOLUME USAGE

AX = F216h subfn 2Ch
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #02148)
ES:DI -> reply buffer (see #02149)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=20h,AX=F216h/SF=29h

Format of NetWare "Get Volume Usage" request packet:

Offset	Size	Description (Table 02148)
00h	WORD	length of following data
02h	BYTE	2Ch (subfunction "Get Volume Usage")
???		

-----N-21F216SF2D-----

INT 21 - Novell NetWare - GET DIRECTORY INFORMATION

AX = F216h subfn 2Dh
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #02149)
ES:DI -> reply buffer (see #02150)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=2Ch,AX=F216h/SF=2Eh

Format of NetWare "Get Directory Information" request packet:

Offset	Size	Description (Table 02149)
00h	WORD	length of following data
02h	BYTE	2Dh (subfunction "Get Directory Information")
03h	BYTE	directory handle

SeeAlso: #02150

Format of NetWare "Get Directory Information" reply packet:

Offset	Size	Description (Table 02150)
00h	DWORD	total blocks
04h	DWORD	available blocks
08h	DWORD	total number of directory entries
0Ch	DWORD	number of available directory entries
10h	4 BYTES	reserved
14h	BYTE	sectors per block
15h	BYTE	length of volume name
16h	N BYTES	volume name

SeeAlso: #02149

-----N-21F216SF2E-----

INT 21 - Novell NetWare - RENAME OR MOVE

AX = F216h subfn 2Eh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02151)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=34h,AX=F223h/SF=07h,AX=F244h

Format of NetWare "Rename Or Move" request packet:

Offset	Size	Description (Table 02151)
00h	WORD	length of following data
02h	BYTE	2Eh (subfunction "Rename Or Move")
03h	BYTE	source directory handle
04h	BYTE	search attributes
05h	BYTE	source path component count
06h	N BYTES	source path
	BYTE	destination directory handle
	BYTE	destination path component count
	N BYTES	destination path

-----N-21F216SF2F-----

INT 21 - Novell NetWare - GET NAME SPACE INFORMATION

AX = F216h subfn 2Fh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02152)
 ES:DI -> reply buffer (see #02153)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=30h,AX=F257h/SF=18h

Format of NetWare "Get Name Space Information" request packet:

Offset	Size	Description (Table 02152)
00h	WORD	length of following data
02h	BYTE	2Fh (subfunction "Get Name Space Information")
03h	BYTE	volume number

SeeAlso: #02153

Format of NetWare "Get Name Space Information" request packet:

Offset	Size	Description (Table 02153)
00h	BYTE	length of namespace name
01h	N BYTES	name of namespace
	BYTE	number of data streams
	var	data stream information [one entry per data stream]
		Offset Size Description
	00h	BYTE associated name space
	01h	BYTE length of data stream name
	02h	N BYTES data stream name
	BYTE	number of loaded name spaces
	BYTE	bitmap of loaded name spaces
		N BYTES list of name spaces being used
	BYTE	index number

SeeAlso: #02152

-----N-21F216SF30-----

INT 21 - Novell NetWare - GET NAME SPACE DIRECTORY ENTRY

AX = F216h subfn 30h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02154)
 ES:DI -> reply buffer (see #02155)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=2Fh

Format of NetWare "Get Name Space Directory Entry" request packet:

Offset	Size	Description (Table 02154)
00h	WORD	length of following data
02h	BYTE	30h (subfunction "Get Name Space Directory Entry")
03h	BYTE	volume number
04h	DWORD	sequence number (set to 00000000h before first call)
08h	BYTE	name space (see #02387)

SeeAlso: #02155

Format of NetWare "Get Name Space Directory Entry" request packet:

Offset Size Description (Table 02155)

00h DWORD next sequence number
04h DWORD subdirectory
08h DWORD attributes
0Ch BYTE unique ID
0Dh BYTE flags
0Eh BYTE name space (see #02387)
0Fh BYTE length of name
10h 12 BYTES filename
1Ch DWORD creation date and time
20h DWORD (big-endian) owner ID
24h DWORD last-backup date and time
28h DWORD (big-endian) last-backup ID
2Ch DWORD last-modification date and time
---DOS file---
30h DWORD (big-endian) last-modification ID
34h DWORD file size
38h 44 BYTES reserved
64h WORD inherited rights mask
66h WORD last-access date
68h 28 BYTES reserved
---DOS subdirectory---
30h DWORD next trustee entry
34h 48 BYTES reserved
64h WORD maximum space
66h WORD inherited rights mask
68h 26 BYTES reserved
---Macintosh subdirectory---
10h 32 BYTES Mac filename
30h DWORD resource fork
34h DWORD resource fork size
38h 32 BYTES Finder information
58h 6 BYTES ProDOS information
5Eh 38 BYTES reserved

SeeAlso: #02154

-----N-21F216SF31-----

INT 21 - Novell NetWare - OPEN DATA STREAM

AX = F216h subfn 31h

CX = length of request packet in bytes

DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02156)
 ES:DI -> reply buffer (see #02157)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F216h/SF=30h

Format of NetWare "Open Data Stream" request packet:

Offset Size Description (Table 02156)

00h WORD length of following data
 02h BYTE 31h (subfunction "Open Data Stream")
 03h BYTE data stream
 04h BYTE directory handle
 05h BYTE file attributes
 06h BYTE open rights
 07h BYTE length of filename
 08h N BYTES filename (8.3)

SeeAlso: #02157

Format of NetWare "Open Data Stream" reply packet:

Offset Size Description (Table 02157)

00h DWORD file handle

SeeAlso: #02156

-----N-21F216SF32-----

INT 21 - Novell NetWare v2.2+ - GET OBJECT EFFECTIVE RIGHTS

AX = F216h subfn 32h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02158)
 ES:DI -> reply buffer (see #02159)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled

SeeAlso: AX=F216h/SF=29h

Format of NetWare "Get Object Effective Rights" request buffer:

Offset Size Description (Table 02158)

00h WORD length of following data
 02h BYTE 32h (subfunction "Get Object Effective Rights")
 03h DWORD object ID
 07h BYTE directory handle
 08h var counted path string

SeeAlso: #02159

Format of NetWare "Get Object Effective Rights" reply buffer:

Offset Size Description (Table 02159)

00h WORD object's effective rights

02h 6 BYTEs reserved

SeeAlso: #02158

-----N-21F216SF33-----

INT 21 - Novell NetWare v2.2+ - GET EXTENDED VOLUME INFORMATION

AX = F216h subfn 33h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02160)

ES:DI -> reply buffer (see #02161)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F216h/SF=29h

Format of NetWare "Get Extended Volume Information" request buffer:

Offset Size Description (Table 02160)

00h WORD length of following data

02h BYTE 33h (subfunction "Get Extended Volume Information")

---v2.2---

03h BYTE volume ID

---v4.x---

03h DWORD volume number

SeeAlso: #02161

Format of NetWare "Get Extended Volume Information" reply buffer:

Offset Size Description (Table 02161)

00h WORD length of returned data

02h DWORD volume type

06h DWORD status flag bits

bit 0: suballocation

bit 1: compressoin

bit 2: migration

bit 3: auditing

0Ah DWORD sector size

0Eh DWORD sectors per cluster

12h DWORD total clusters in volume

16h DWORD free clusters

1Ah DWORD freeable suballocated clusters

1Eh DWORD freeable in-limbo sectors
 22h DWORD non-freeable in-limbo sectors
 26h DWORD non-freeable available suballocated sectors
 2Ah DWORD unuable suballocated sectors
 2Eh DWORD total suballocated clusters
 32h DWORD number of data streams
 36h DWORD number of in-limbo data streams
 3Ah DWORD age of oldest deleted file in clock ticks
 3Eh DWORD number of compressed data streams
 42h DWORD number of compressed in-limbo data streams
 46h DWORD number of uncompressable data streams
 4Ah DWORD number of precompressed sectors
 4Eh DWORD number of compressed sectors
 52h DWORD number of migrated files
 56h DWORD number of migrated sectors
 5Ah DWORD number of clusters used by FAT
 5Eh DWORD number of clusters used by directories
 62h DWORD number of clusters used by extended directories
 66h DWORD total number of directory entries
 6Ah DWORD number of unused directory entries
 6Eh DWORD total number of extended directory extants
 72h DWORD number of unused extended directory extants
 76h DWORD number of extended attributes defined (see AX=F256h/SF=04h)
 7Ah DWORD number of extended-attribute extants used
 7Eh DWORD object ID for Directory Services
 82h DWORD date and time volume last modified
 86h var counted volume name string

SeeAlso: #02160

-----N-21F217SF01-----

INT 21 - Novell NetWare - CHANGE USER PASSWORD (OLD)

AX = F217h subfn 01h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01891 at AH=E3h/SF=01h)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Note: this function requires an object of type USER, unlike the newer password changing function AX=F217h/SF=40h

SeeAlso: AH=F2h"Novell", AH=E3h/SF=01h, AX=F217h/SF=02h, AX=F217h/SF=40h

-----N-21F217SF02-----

INT 21 - Novell NetWare - GET USER CONNECTION LIST (OLD)

AX = F217h subfn 02h
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01892 at AH=E3h/SF=02h)
ES:DI -> reply buffer (see #02162)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=02h,AX=F217h/SF=01h,AX=F217h/SF=0Ch

Format of NetWare "Get User Connection List (old)" reply packet:

Offset	Size	Description (Table 02162)
00h	BYTE	length of connection list
01h	BYTE	number of bytes in connection list
02h	N BYTES	list of connection numbers in use by user

SeeAlso: #01892

-----N-21F217SF0C-----
INT 21 - Novell NetWare - VERIFY SERIALIZATION

AX = F217h subfn 0Ch
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01896 at AH=E3h/SF=0Ch)
ES:DI -> reply buffer (see #02163)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=0Ch,AX=F217h/SF=12h

Format of NetWare "Verify Serialization" reply packet:

Offset	Size	Description (Table 02163)
00h	WORD	server application number

SeeAlso: #01896

-----N-21F217SF0E-----
INT 21 - Novell NetWare - GET DISK UTILIZATION

AX = F217h subfn 0Eh
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01900 at AH=E3h/SF=0Eh)
ES:DI -> reply buffer (see #02164)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=0Eh,AX=F217h/SF=D6h

Format of NetWare "Get Disk Utilization" reply packet:

Offset	Size	Description (Table 02164)
00h	BYTE	volume number (00h-1Fh)

01h DWORD (big-endian) object ID
 05h WORD (big-endian) directories used by object
 07h WORD (big-endian) files created by object
 09h WORD (big-endian) disk blocks used by object-created files

SeeAlso: #01900 at AH=E3h/SF=0Eh

-----N-21F217SF0F-----

INT 21 - Novell NetWare - SCAN FILE INFORMATION

AX = F217h subfn 0Fh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01903 at AH=E3h/SF=0Fh)
 ES:DI -> reply buffer (see #02165)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=0Fh,AX=F217h/SF=10h

Format of NetWare "Scan File Information" reply packet:

Offset Size Description (Table 02165)

00h WORD next sequence number (place in request buffer for next call)
 02h 14 BYTES ASCIZ filename
 10h BYTE file attributes (see #01420 at AX=4301h)
 11h BYTE extended file attributes (see #01804 at AH=B6h)
 12h DWORD (big-endian) file size in bytes
 16h WORD (big-endian) file's creation date (see #01666 at AX=5700h)
 18h WORD (big-endian) date of last access (see #01665 at AX=5700h)
 1Ah DWORD (big-endian) date and time of last update (see #01846)
 1Eh DWORD (big-endian) object ID of owner
 22h DWORD (big-endian) date and time last archived (see #01846)
 26h 55 BYTES reserved

SeeAlso: #01903 at AH=E3h/SF=0Fh

-----N-21F217SF10-----

INT 21 - Novell NetWare - SET FILE INFORMATION

AX = F217h subfn 10h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01905 at AH=E3h/SF=10h)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=10h,AX=F217h/SF=0Fh

-----N-21F217SF11-----

INT 21 - Novell NetWare - GET FILE SERVER INFORMATION

AX = F217h subfn 11h

CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01907 at AH=E3h/SF=11h)
 ES:DI -> reply buffer (see #02166)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=11h,AX=F217h/SF=F1h

Format of NetWare "Get File Server Information" reply packet:

Offset Size Description (Table 02166)

00h 48 BYTES server's name
 30h BYTE NetWare version
 31h BYTE NetWare subversion (0-99)
 32h WORD (big-endian) number of connections supported
 NetWare 4.01 reportedly returns maximum simulataneously-used
 connections
 34h WORD (big-endian) number of connections in use
 36h WORD (big-endian) maximum connected volumes

---Advanced NetWare 2.1+ ---

38h BYTE operating system revision number
 39h BYTE fault tolerance (SFT) level
 3Ah BYTE TTS level
 3Bh WORD (big-endian) maximum simultaneously-used connections
 NetWare 4.01 reportedly returns number of connections in use
 3Dh BYTE accounting version
 3Eh BYTE VAP version
 3Fh BYTE queueing version
 40h BYTE print server version
 41h BYTE virtual console version
 42h BYTE security restrictions level
 43h BYTE internetwork bridge version
 44h 60 BYTES reserved

SeeAlso: #01907

-----N-21F217SF12-----

INT 21 - Novell NetWare - GET NETWORK SERIAL NUMBER

AX = F217h subfn 12h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01909 at AH=E3h/SF=12h)
 ES:DI -> reply buffer (see #02167)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=12h,AX=F217h/SF=0Ch

Format of NetWare "Get Network Serial Number" reply packet:

Offset Size Description (Table 02167)

00h 4 BYTES (big-endian) NetWare server serial number

04h 2 BYTES (big-endian) NetWare application serial number

SeeAlso: #01909 at AH=E3h/SF=12h

-----N-21F217SF13-----

INT 21 - Novell NetWare - GET INTERNET ADDRESS (OLD)

AX = F217h subfn 13h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01911 at AH=E3h/SF=13h)

ES:DI -> reply buffer (see #02168)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=13h,AX=F217h/SF=1Ah

Format of NetWare "Get Internet Address (old)" reply packet:

Offset Size Description (Table 02168)

00h 4 BYTES network number

04h 6 BYTES physical node address

0Ah 2 BYTES socket number

SeeAlso: #01911 at AH=E3h/SF=13h,#02174

-----N-21F217SF14-----

INT 21 - Novell NetWare - LOGIN OBJECT

AX = F217h subfn 14h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01913 at AH=E3h/SF=14h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=14h,AX=F216h/SF=18h,AX=F217h/SF=CCh

SeeAlso: AX=F258h/SF=03h,AX=F268h/SF=3Dh

-----N-21F217SF15-----

INT 21 - Novell NetWare - GET OBJECT CONNECTION LIST (OLD)

AX = F217h subfn 15h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01915 at AH=E3h/SF=15h)

ES:DI -> reply buffer (see #02169)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=15h,AX=F217h/SF=1Bh

Format of NetWare "Get Object Connection List (old)" reply packet:

Offset Size Description (Table 02169)

00h BYTE number of connections

01h N BYTES connection list

SeeAlso: #01915

-----N-21F217SF16-----

INT 21 - Novell NetWare - GET CONNECTION INFORMATION (OLD)

AX = F217h subfn 16h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02170)

ES:DI -> reply buffer (see #02171)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AH=F2h"Novell",AX=F217h/SF=1Ch,AX=F217h/SF=1Fh

Format of NetWare "Get Connection Information (old)" request packet:

Offset Size Description (Table 02170)

00h WORD 0002h (length of following data)

02h BYTE 16h (subfunction "Get Connection Information (old)")

03h BYTE target connection number

Note: connection numbers greater than the maximum supported by the server

can cause ABENDs

SeeAlso: #02171

Format of NetWare "Get Connection Information (old)" reply packet:

Offset Size Description (Table 02171)

00h DWORD (big-endian) unique user ID, 00000000h if no one logged in

04h WORD (big-endian) user type

06h 48 BYTES user name

36h 7 BYTES login time (see #02087)

3Dh BYTE reserved

SeeAlso: #02170

-----N-21F217SF17-----

INT 21 - Novell NetWare - GET ENCRYPTION KEY

AX = F217h subfn 17h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02172)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=18h,AX=F217h/SF=4Ah,AX=F217h/SF=4Bh

Format of NetWare "Get Encryption Key" request packet:

Offset Size Description (Table 02172)

00h WORD length of following data

02h BYTE 17h (subfunction "Get Encryption Key")

???

-----N-21F217SF18-----

INT 21 - Novell NetWare - LOGIN OBJECT ENCRYPTED

AX = F217h subfn 18h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02173)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=14h,AX=F217h/SF=17h

Format of NetWare "Login Object Encrypted" request packet:

Offset Size Description (Table 02173)

00h WORD length of following data

02h BYTE 18h (subfunction "Login Object Encrypted")

???

-----N-21F217SF1A-----

INT 21 - Novell NetWare - GET INTERNET ADDRESS

AX = F217h subfn 1Ah

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02174)

ES:DI -> reply buffer (see #02175)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=13h

Format of NetWare "Get Internet Address" request packet:

Offset Size Description (Table 02174)

00h WORD length of following data

02h BYTE 1Ah (subfunction "Get Internet Address")

03h DWORD target connection ID

SeeAlso: #02175

Format of NetWare "Get Internet Address" reply packet:

Offset Size Description (Table 02175)

00h 4 BYTES network number
 04h 6 BYTES physical node address
 0Ah 2 BYTES socket number
 0Ch BYTE connection type
 00h not in use
 02h NCP
 03h AFP

SeeAlso: #02174

-----N-21F217SF1B-----

INT 21 - Novell NetWare - GET OBJECT CONNECTION LIST

AX = F217h subfn 1Bh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02176)
 ES:DI -> reply buffer (see #02177)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=15h

Format of NetWare "Get Object Connection List" request packet:

Offset Size Description (Table 02176)

00h WORD length of following data
 02h BYTE 1Bh (subfunction "Get Object Connection List")
 03h DWORD search connection number
 set to highest connection number returned by previous call, or
 00000000h before first call
 07h WORD object type
 09h BYTE length of object's name
 0Ah N BYTES object name

SeeAlso: #02177

Format of NetWare "Get Object Connection List" reply packet:

Offset Size Description (Table 02177)

00h BYTE length of connection number list
 01h N WORDs array of server connection numbers

SeeAlso: #02176

-----N-21F217SF1C-----

INT 21 - Novell NetWare v3+ - GET CONNECTION INFORMATION

AX = F217h subfn 1Ch
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes

DS:SI -> request packet (see #02178)
 ES:DI -> reply buffer (see #02179)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled
 SeeAlso: AH=F2h"Novell",AX=F217h/SF=16h,AX=F217h/SF=1Fh

Format of NetWare "Get Connection Information" request packet:

Offset Size Description (Table 02178)

00h WORD 0005h (length of following data)
 02h BYTE 1Ch (subfunction "Get Connection Information")
 03h DWORD target connection number

Note: connection numbers greater than the maximum supported by the server
 can cause ABENDs

SeeAlso: #02179,#02170

Format of NetWare "Get Connection Information" reply packet:

Offset Size Description (Table 02179)

00h DWORD (big-endian) unique user ID, 00000000h if no one logged in
 04h WORD (big-endian) user type
 06h 48 BYTES user name
 36h 7 BYTES login time (see #02087)
 3Dh BYTE reserved

SeeAlso: #02178,#02171

-----N-21F217SF1D-----

INT 21 - Novell NetWare v4 - CHANGE CONNECTION STATE

AX = F217h subfn 1Dh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02180)
 ES:DI -> reply buffer

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled

Format of NetWare "Change Connection State" request buffer:

Offset Size Description (Table 02180)

00h WORD length of following data
 02h BYTE 1Dh (subfunction "Change Connection State")
 03h DWORD new state

-----N-21F217SF1E-----

INT 21 - Novell NetWare v4 - SET WATCHDOG DELAY INTERVAL

AX = F217h subfn 1Eh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02181)

ES:DI -> reply buffer

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Set Watchdog Delay Interval" request buffer:

Offset Size Description (Table 02181)

00h WORD length of following data

02h BYTE 1Eh (subfunction "Set Watchdog Delay Interval")

03h DWORD interval in minutes

-----N-21F217SF1F-----

INT 21 - Novell NetWare v4 - GET CONNECTION LIST

AX = F217h subfn 1Fh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02182)

ES:DI -> reply buffer (see #02183)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get Connection List" request buffer:

Offset Size Description (Table 02182)

00h WORD length of following data

02h BYTE 1Fh (subfunction "Get Connection List")

03h DWORD object ID

07h DWORD ??? (initialize to FFFFFFFFh before first call)

SeeAlso: #02183

Format of NetWare "Get Connection List" reply buffer:

Offset Size Description (Table 02183)

00h WORD number of connections following (max 50)

02h 50 DWORDs connection numbers

SeeAlso: #02182

-----N-21F217SF32-----

INT 21 - Novell NetWare - CREATE BINDERY OBJECT

AX = F217h subfn 32h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01921 at AH=E3h/SF=32h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=32h,AX=F217h/SF=33h,AX=F217h/SF=34h

-----N-21F217SF33-----

INT 21 - Novell NetWare - DELETE BINDERY OBJECT

AX = F217h subfn 33h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01923 at AH=E3h/SF=33h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=33h,AX=F217h/SF=32h,AX=F217h/SF=34h

-----N-21F217SF34-----

INT 21 - Novell NetWare - RENAME BINDERY OBJECT

AX = F217h subfn 34h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01924 at AH=E3h/SF=34h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=34h,AX=F217h/SF=32h,AX=F217h/SF=33h

-----N-21F217SF35-----

INT 21 - Novell NetWare - GET BINDERY OBJECT ID

AX = F217h subfn 35h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01925 at AH=E3h/SF=35h)

ES:DI -> reply buffer (see #02184)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=35h,AX=F217h/SF=36h,AX=F217h/SF=45h

Format of NetWare "Get Bindery Object ID" reply packet:

Offset Size Description (Table 02184)

00h DWORD (big-endian) object ID

04h WORD (big-endian) type of object

06h 48 BYTES object name

SeeAlso: #01925 at AH=E3h/SF=35h

-----N-21F217SF36-----

INT 21 - Novell NetWare - GET BINDERY OBJECT NAME

AX = F217h subfn 36h

CX = length of request packet in bytes

DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01928 at AH=E3h/SF=36h)
 ES:DI -> reply buffer (see #02185)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=36h,AX=F217h/SF=35h,AX=F217h/SF=37h

Format of NetWare "Get Bindery Object Name" reply packet:

Offset	Size	Description (Table 02185)
00h	DWORD (big-endian)	object ID
04h	WORD (big-endian)	type of object
06h	48 BYTES	object name

SeeAlso: #01928 at AH=E3h/SF=36h

-----N-21F217SF37-----

INT 21 - Novell NetWare - SCAN BINDERY OBJECT

AX = F217h subfn 37h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01930 at AH=E3h/SF=37h)
 ES:DI -> reply buffer (see #02186)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=37h,AX=F217h/SF=3Ch

Format of NetWare "Scan Bindery Object" reply packet:

Offset	Size	Description (Table 02186)
00h		

SeeAlso: #01930

-----N-21F217SF38-----

INT 21 - Novell NetWare - CHANGE BINDERY OBJECT SECURITY

AX = F217h subfn 38h
 CX = length of request packet in bytes
 DX = 0000h (no reply buffer)
 DS:SI -> request packet (see #01932 at AH=E3h/SF=38h)
 ES:DI ignored
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=38h,AX=F217h/SF=32h

-----N-21F217SF39-----

INT 21 - Novell NetWare - CREATE PROPERTY

AX = F217h subfn 39h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01934 at AH=E3h/SF=39h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=39h,AX=F217h/SF=3Ah

-----N-21F217SF3A-----

INT 21 - Novell NetWare - DELETE PROPERTY

AX = F217h subfn 3Ah

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01936 at AH=E3h/SF=3Ah)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=3Ah,AX=F217h/SF=39h,AX=F217h/SF=3Bh

-----N-21F217SF3B-----

INT 21 - Novell NetWare - CHANGE PROPERTY SECURITY

AX = F217h subfn 3Bh

CX = length of request packet in bytes

DX = 0000h (no reply buffer)

DS:SI -> request packet (see #01938 at AH=E3h/SF=3Bh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=3Bh

-----N-21F217SF3C-----

INT 21 - Novell NetWare - SCAN PROPERTY

AX = F217h subfn 3Ch

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01939 at AH=E3h/SF=3Ch)

ES:DI -> reply buffer (see #02187)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=3Ch,AX=F217h/SF=39h,AX=F217h/SF=3Dh

Format of NetWare "Scan Property" reply packet:

Offset Size Description (Table 02187)

00h

SeeAlso: #01939

-----N-21F217SF3D-----

INT 21 - Novell NetWare - READ PROPERTY VALUE

AX = F217h subfn 3Dh

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01942 at AH=E3h/SF=3Dh)

ES:DI -> reply buffer (see #02188)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=3Dh,AX=F217h/SF=39h,AX=F217h/SF=3Eh

Format of NetWare "Read Property Value" request packet:

Offset Size Description (Table 02188)

00h

SeeAlso: #01942

-----N-21F217SF3E-----

INT 21 - Novell NetWare - WRITE PROPERTY VALUE

AX = F217h subfn 3Eh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01944 at AH=E3h/SF=3Eh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=3Eh,AX=F217h/SF=39h,AX=F217h/SF=3Dh

-----N-21F217SF3F-----

INT 21 - Novell NetWare - VERIFY BINDERY OBJECT PASSWORD

AX = F217h subfn 3Fh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01947 at AH=E3h/SF=3Fh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=3Fh,AX=F217h/SF=40h

-----N-21F217SF40-----

INT 21 - Novell NetWare - CHANGE BINDERY OBJECT PASSWORD

AX = F217h subfn 40h

CX = length of request packet in bytes

DX = 0000h (no reply buffer)

DS:SI -> request packet (see #01948 at AH=E3h/SF=40h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=40h,AX=F217h/SF=3Fh

-----N-21F217SF41-----

INT 21 - Novell NetWare v2.2+ - ADD OBJECT TO SET

AX = F217h subfn 41h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01951 at AH=E3h/SF=41h)

```
ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
Desc: add a member to an object's group property
SeeAlso: AH=F2h"Novell",AH=E3h/SF=41h,AX=F217h/SF=42h,AX=F217h/SF=43h
-----N-21F217SF42-----
INT 21 - Novell NetWare - DELETE BINDERY OBJECT FROM SET
  AX = F217h subfn 42h
  CX = length of request packet in bytes
  DX = 0000h (no reply packet)
  DS:SI -> request packet (see #01952 at AH=E3h/SF=42h)
  ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=42h,AX=F217h/SF=41h,AX=F217h/SF=43h
-----N-21F217SF43-----
INT 21 - Novell NetWare - IS BINDERY OBJECT IN SET?
  AX = F217h subfn 43h
  CX = length of request packet in bytes
  DX = 0000h (no reply packet)
  DS:SI -> request packet (see #01954 at AH=E3h/SF=43h)
  ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=43h,AX=F217h/SF=41h,AX=F217h/SF=42h
-----N-21F217SF44-----
INT 21 - Novell NetWare - CLOSE BINDERY
  AX = F217h subfn 44h
  CX = length of request packet in bytes
  DX = 0000h (no reply packet)
  DS:SI -> request packet (see #01955 at AH=E3h/SF=44h)
  ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=44h,AX=F217h/SF=45h
-----N-21F217SF45-----
INT 21 - Novell NetWare - OPEN BINDERY
  AX = F217h subfn 45h
  CX = length of request packet in bytes
  DX = 0000h (no reply packet)
  DS:SI -> request packet (see #01956 at AH=E3h/SF=45h)
  ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=45h,AX=F217h/SF=44h
-----N-21F217SF46-----
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INT 21 - Novell NetWare - GET BINDERY ACCESS LEVEL
 AX = F217h subfn 46h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01957 at AH=E3h/SF=46h)
 ES:DI -> reply buffer (see #02189)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=46h,AX=F217h/SF=45h

Format of NetWare "Get Bindery Access Level" reply packet:

Offset Size Description (Table 02189)

00h BYTE security levels

01h DWORD (big-endian) object ID

SeeAlso: #01957,#01958 at AH=E3h/SF=46h

-----N-21F217SF47-----

INT 21 - Novell NetWare - SCAN BINDERY OBJECT TRUSTEE PATHS
 AX = F217h subfn 47h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01959 at AH=E3h/SF=47h)
 ES:DI -> reply buffer (see #02190)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=47h,AX=F216h/SF=0Ch,AX=F217h/SF=48h

Format of NetWare "Scan Bindery Object Trustee Paths" reply packet:

Offset Size Description (Table 02190)

00h WORD (big-endian) next sequence number

02h DWORD (big-endian) object ID

06h BYTE trustee directory rights (see #01849 at AH=E2h/SF=03h)

07h BYTE length of trustee path

08h N BYTES trustee path

SeeAlso: #01959,#01960 at AH=E3h/SF=47h

-----N-21F217SF48-----

INT 21 - Novell NetWare - GET BINDERY OBJECT ACCESS LEVEL
 AX = F217h subfn 48h
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02191)
 ES:DI -> reply buffer (see #02192)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F217h/SF=45h,AX=F217h/SF=46h

Format of NetWare "Get Bindery Object Access Level" request packet:

Offset Size Description (Table 02191)
00h WORD length of following data (max ABh)
02h BYTE 48h (subfunction "Get Bindery Object Access Level")
03h DWORD object ID

SeeAlso: #02192

Format of NetWare "Get Bindery Object Access Level" reply packet:

Offset Size Description (Table 02192)
00h BYTE object access level

SeeAlso: #02191

-----N-21F217SF49-----

INT 21 - Novell NetWare - IS STATION A MANAGER?

AX = F217h subfn 49h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02193)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=43h

Format of NetWare "Is Station A Manager?" request packet:

Offset Size Description (Table 02193)
00h WORD length of following data
02h BYTE 49h (subfunction "Is Station A Manager?")
03h DWORD object ID

-----N-21F217SF4A-----

INT 21 - Novell NetWare - KEYED VERIFY BINDERY OBJECT PASSWORD

AX = F217h subfn 4Ah
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02194)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=4Bh

Format of NetWare "Keyed Verify Bindery Object Password" request packet:

Offset Size Description (Table 02194)
00h WORD length of following data
02h BYTE 4Ah (subfunction "Keyed Verify Bindery Object Password")

03h 8 BYTEs key
 0Bh WORD type
 0Dh BYTE length of object's name
 0Eh N BYTEs object name

SeeAlso: #02195

-----N-21F217SF4B-----

INT 21 - Novell NetWare - KEYED CHANGE BINDERY OBJECT PASSWORD

AX = F217h subfn 4Bh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02195)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=4Ah

Format of NetWare "Keyed Change Bindery Object Password" request packet:

Offset	Size	Description (Table 02195)
00h	WORD	length of following data
02h	BYTE	4Bh (subfunction "Keyed Change Bindery Object Password")
03h	8 BYTEs	key
0Bh	WORD	type
0Dh	BYTE	length of object name
0Eh	N BYTEs	object name
	BYTE	length of new password
	N BYTEs	new password

SeeAlso: #01948

-----N-21F217SF4C-----

INT 21 - Novell NetWare - LIST RELATIONS OF AN OBJECT

AX = F217h subfn 4Ch
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02196)
 ES:DI -> reply buffer (see #02197)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=39h

Format of NetWare "List Relations Of An Object" request packet:

Offset	Size	Description (Table 02196)
00h	WORD	length of following data
02h	BYTE	4Ch (subfunction "List Relations Of An Object")
03h	DWORD	last bindery ID seen (set to FFFFFFFFh on first call)

07h WORD object type
09h BYTE length of object's name
0Ah N BYTES object's name
 BYTE length of property name
 N BYTES property name
SeeAlso: #02197

Format of NetWare "List Relations Of An Object" reply packet:

Offset Size Description (Table 02197)
00h WORD number of relations returned
02h var relations

SeeAlso: #02196

-----N-21F217SF64-----

INT 21 - Novell NetWare v2.1+ - CREATE QUEUE

AX = F217h subfn 64h
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01962 at AH=E3h/SF=64h)
ES:DI -> reply buffer (see #02198)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=64h,AX=F217h/SF=65h,AX=F217h/SF=66h

Format of NetWare "Create Queue" reply packet:

Offset Size Description (Table 02198)
00h DWORD (big-endian) object ID of queue

SeeAlso: #01962,#01963

-----N-21F217SF65-----

INT 21 - Novell NetWare v2.1+ - DESTROY QUEUE

AX = F217h subfn 65h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #01964 at AH=E3h/SF=65h)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=65h,AX=F217h/SF=64h,AX=F217h/SF=66h

-----N-21F217SF66-----

INT 21 - Novell NetWare v2.1+ - READ QUEUE CURRENT STATUS (OLD)

AX = F217h subfn 66h
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01965 at AH=E3h/SF=64h)

ES:DI -> reply buffer (see #02199)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=66h,AX=F217h/SF=64h,AX=F217h/SF=67h

Format of NetWare "Read Queue Current Status (Old)" reply packet:

Offset Size Description (Table 02199)

00h DWORD (big-endian) object ID of queue
 04h BYTE status of queue (see #01967)
 05h BYTE number of jobs in queue (00h-FAh)
 06h BYTE number of servers attached to queue (00h-19h)
 07h 25 DWORDs list of object IDs of attached servers
 6Bh 25 BYTES list of attached servers' stations
 84h BYTE (call) maximum number of servers to return

SeeAlso: #01965,#01966 at AH=E3h/SF=66h

-----N-21F217SF67-----

INT 21 - Novell NetWare v2.1+ - SET QUEUE CURRENT STATUS (OLD)

AX = F217h subfn 67h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01968 at AH=E3h/SF=67h)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=67h,AX=F217h/SF=66h,AX=F217h/SF=68h

-----N-21F217SF68-----

INT 21 - Novell NetWare v2.1+ - CREATE QUEUE JOB AND FILE (OLD)

AX = F217h subfn 68h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01970 at AH=E3h/SF=68h)

ES:DI -> reply buffer (see #02200)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=68h,AX=F217h/SF=67h,AX=F217h/SF=69h

Format of NetWare "Create Queue Job And File (Old)" reply packet:

Offset Size Description (Table 02200)

00h BYTE client station
 01h BYTE client task number
 02h DWORD (big-endian) object ID of client
 06h DWORD (big-endian) object ID of target server
 0Ah 6 BYTES target execution time (year,month,day,hour,minute,second)
 10h 6 BYTES job entry time (year,month,day,hour,minute,second)
 16h WORD (big-endian) job number

18h WORD (big-endian) job type
 1Ah BYTE job position
 1Bh BYTE job control flags (see #01980)
 1Ch 14 BYTES ASCIZ job file name
 2Ah 6 BYTES job file handle
 30h BYTE server station
 31h BYTE server task number
 32h DWORD (big-endian) object ID of server or 00000000h

SeeAlso: #01970,#01972

-----N-21F217SF69-----

INT 21 - Novell NetWare v2.1+ - CLOSE FILE AND START QUEUE JOB (OLD)

AX = F217h subfn 69h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01973 at AH=E3h/SF=69h)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=69h,AX=F217h/SF=6Ah,AX=F217h/SF=7Fh

-----N-21F217SF6A-----

INT 21 - Novell NetWare v2.1+ - REMOVE JOB FROM QUEUE (OLD)

AX = F217h subfn 6Ah
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #01975 at AH=E3h/SF=6Ah)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=6Ah,AX=F217h/SF=68h,AX=F217h/SF=69h

-----N-21F217SF6B-----

INT 21 - Novell NetWare v2.1+ - GET QUEUE JOB LIST (OLD)

AX = F217h subfn 6Bh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #01976 at AH=E3h/SF=6Bh)
 ES:DI -> reply buffer (see #02201)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=6Bh,AX=F217h/SF=6Ah,AX=F217h/SF=6Ch

SeeAlso: AX=F217h/SF=81h

Format of NetWare "Get Queue Job List (old)" reply packet:

Offset Size Description (Table 02201)

00h WORD (big-endian) job count

02h N WORDs (big-endian) list of job numbers by position in queue

SeeAlso: #01976,#01977 at AH=E3h/SF=6Bh

-----N-21F217SF6C-----

INT 21 - Novell NetWare v2.1+ - READ QUEUE JOB ENTRY (OLD)

AX = F217h subfn 6Ch

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #01978 at AH=E3h/SF=6Ch)

ES:DI -> reply buffer (see #02202)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=6Ch,AX=F217h/SF=6Bh,AX=F217h/SF=6Dh

Format of NetWare "Read Queue Job Entry (old)" reply packet:

Offset Size Description (Table 02202)

00h BYTE client station number

01h BYTE client task number

02h DWORD object ID of client

06h DWORD (big-endian) object ID of target server

FFFFFFFFh if any server acceptable

0Ah 6 BYTES target execution time (year,month,day,hour,minute,second)

FFFFFFFFFFFFFFh if serviced as soon as possible

10h 6 BYTES job entry time (year,month,day,hour,minute,second)

16h WORD (big-endian) job number

18h WORD (big-endian) job type

1Ah BYTE job position

1Bh BYTE job control flags (see #01980)

1Ch 14 BYTES ASCIZ job filename

2Ah 6 BYTES job file handle

30h BYTE server station

31h BYTE server task number

32h DWORD object ID of server

36h 50 BYTES ASCIZ job description string

68h 152 BYTES client record area

SeeAlso: #01978,#01979

-----N-21F217SF6D-----

INT 21 - Novell NetWare v2.1+ - CHANGE QUEUE JOB ENTRY (OLD)

AX = F217h subfn 6Dh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01981 at AH=E3h/SF=6Dh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=7Bh,AH=E3h/SF=6Dh,AX=F217h/SF=6Ch

-----N-21F217SF6E-----

INT 21 - Novell NetWare v2.1+ - CHANGE QUEUE JOB POSITION

AX = F217h subfn 6Eh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01982 at AH=E3h/SF=6Eh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AX=F217h/SF=6Dh,AH=E3h/SF=6Eh

-----N-21F217SF6F-----

INT 21 - Novell NetWare v2.1+ - ATTACH QUEUE SERVER TO QUEUE

AX = F217h subfn 6Fh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01984 at AH=E3h/SF=6Fh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=6Fh,AX=F217h/SF=D2h

-----N-21F217SF70-----

INT 21 - Novell NetWare v2.1+ - DETACH QUEUE SERVER FROM QUEUE

AX = F217h subfn 70h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01985 at AH=E3h/SF=70h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=70h,AX=F217h/SF=6Fh

-----N-21F217SF71-----

INT 21 - Novell NetWare v2.1+ - SERVICE QUEUE JOB AND OPEN FILE

AX = F217h subfn 71h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01986 at AH=E3h/SF=71h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Notes: the caller must be on a workstation which is security-equivalent to a

member of the queue's Q_USERS, Q_OPERATORS, or Q_SERVERS properties

SeeAlso: AH=E3h/SF=71h,AX=F217h/SF=70h,AX=F217h/SF=72h

-----N-21F217SF72-----

INT 21 - Novell NetWare v2.1+ - FINISH SERVICING QUEUE JOB (OLD)

AX = F217h subfn 72h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01987 at AH=E3h/SF=72h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=72h,AX=F217h/SF=71h,AX=F217h/SF=73h

SeeAlso: AX=F217h/SF=83h

-----N-21F217SF73-----

INT 21 - Novell NetWare v2.1+ - ABORT SERVICING QUEUE JOB (OLD)

AX = F217h subfn 73h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01988 at AH=E3h/SF=73h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=73h,AX=F217h/SF=72h,AX=F217h/SF=84h

-----N-21F217SF74-----

INT 21 - Novell NetWare v2.1+ - CHANGE TO CLIENT RIGHTS (OLD)

AX = F217h subfn 74h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01990 at AH=E3h/SF=74h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Desc: temporarily assume the login identity of the client submitting the
job being serviced

SeeAlso: AH=F2h"NetWare",AH=E3h/SF=74h,AX=F217h/SF=85h

-----N-21F217SF75-----

INT 21 - Novell NetWare v2.1+ - RESTORE QUEUE SERVER RIGHTS

AX = F217h subfn 75h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01991 at AH=E3h/SF=75h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=75h,AX=F217h/SF=74h

-----N-21F217SF76-----

INT 21 - Novell NetWare - READ QUEUE SERVER CURRENT STATUS (OLD)

AX = F217h subfn 76h

CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01992 at AH=E3h/SF=76h)
ES:DI -> reply buffer (see #02203)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AH=E3h/SF=76h,AX=F217h/SF=74h,AX=F217h/SF=77h

Format of NetWare "Read Queue Server Current Status (old)" reply packet:

Offset Size Description (Table 02203)
00h 64 BYTES server status record (format depends on server)
first four bytes should contain estimated "price" for an
average job

SeeAlso: #01992,#01993 at AH=E3h/SF=76h

-----N-21F217SF77-----
INT 21 - Novell NetWare - SET QUEUE SERVER CURRENT STATUS
AX = F217h subfn 77h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #01994 at AH=E3h/SF=77h)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=77h,AX=F217h/SF=76h

-----N-21F217SF78-----
INT 21 - Novell NetWare - GET QUEUE JOB FILE SIZE (OLD)
AX = F217h subfn 78h
CX = length of request packet in bytes
DX = length of reply buffer in bytes
DS:SI -> request packet (see #01996 at AH=E3h/SF=78h)
ES:DI -> reply buffer (see #02204)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=78h,AX=F217h/SF=71h,AX=F217h/SF=79h

Format of NetWare "Get Queue Job File Size (old)" reply packet:

Offset Size Description (Table 02204)
00h DWORD (big-endian) object ID of queue
04h WORD (big-endian) job number
06h DWORD (big-endian) size of job file in bytes

SeeAlso: #01996,#01997 at AH=E3h/SF=78h

-----N-21F217SF79-----
INT 21 - Novell NetWare - CREATE QUEUE JOB AND FILE
AX = F217h subfn 79h

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02205)

ES:DI -> reply buffer (see #02206)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=7Ah,AX=F217h/SF=7Bh

Format of NetWare "Create Queue Job And File" request packet:

Offset Size Description (Table 02205)

00h WORD length of following data

02h BYTE 79h (subfunction "Create Queue Job And File")

03h DWORD queue ID

07h 280 BYTES queue job structure (see #02210)

SeeAlso: #02206,#02207,#02209

Format of NetWare "Create Queue Job And File" reply packet:

Offset Size Description (Table 02206)

00h 10 BYTES reserved for future use

0Ah DWORD client station

0Eh DWORD client task

12h DWORD client ID

16h DWORD target server ID

1Ah 6 BYTES target execution time year,month,day,hour,minute,second

(FFFFFFFFFFFFh = first opportunity)

20h 6 BYTES job entry time

(set by queue manager)

26h DWORD job number (1-999) assigned by queue manager

2Ah WORD job type

2Ch WORD position of job in queue (0001h = first, etc.)

2Eh WORD job control flags (see #01980 at AH=E3h/SF=6Ch)

30h 14 BYTES ASCIZ job file name

3Eh DWORD job file handle (set by queue manager)

42h DWORD server station (set by queue manager)

46h DWORD server task number (set by queue manager)

4Ah DWORD server object ID (set by queue manager)

SeeAlso: #02205,#02210

-----N-21F217SF7A-----

INT 21 - Novell NetWare - READ QUEUE JOB ENTRY

AX = F217h subfn 7Ah

CX = length of request packet in bytes

DX = length of reply buffer in bytes

DS:SI -> request packet (see #02207)
ES:DI -> reply buffer (see #02208)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F217h/SF=79h,AX=F217h/SF=7Bh

Format of NetWare "Read Queue Job Entry" request packet:

Offset Size Description (Table 02207)
00h WORD length of following data
02h BYTE 7Ah (subfunction "Read Queue Job Entry")
03h DWORD queue ID
07h DWORD job entry number

SeeAlso: #02208,#02205,#02209

Format of NetWare "Read Queue Job Entry" reply packet:

Offset Size Description (Table 02208)
00h 280 BYTES job structure (see #02210)

SeeAlso: #02207

-----N-21F217SF7B-----

INT 21 - Novell NetWare v2.1+ - CHANGE QUEUE JOB ENTRY

AX = F217h subfn 7Bh
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02209)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=6Dh,AX=F217h/SF=79h,AX=F217h/SF=7Dh

Format of NetWare "Change Queue Job Entry" request packet:

Offset Size Description (Table 02209)
00h WORD length of following data
02h BYTE 7Bh (subfunction "Change Queue Job Entry")
03h DWORD queue ID
07h 280 BYTES job structure (see #02210)

SeeAlso: #02205,#02207

Format of NetWare v3.11+ job structure:

Offset Size Description (Table 02210)
00h WORD record-in-use flag
02h DWORD -> previous record
06h DWORD -> next record
0Ah DWORD client station connection number

0Eh DWORD client task number
 (set by queue manager)
 12h DWORD client object ID
 16h DWORD target server object ID
 1Ah 6 BYTES target execution time year,month,day,hour,minute,second
 (FFFFFFFFFFFFh = first opportunity)
 20h 6 BYTES job entry time
 (set by queue manager)
 26h DWORD job number (1-999) assigned by queue manager
 2Ah WORD job type
 2Ch WORD position of job in queue (0001h = first, etc.)
 2Eh WORD job control flags (see #01980 at AH=E3h/SF=6Ch)
 30h 14 BYTES ASCIZ job file name
 3Eh DWORD job file handle (set by queue manager)
 42h DWORD server station (set by queue manager)
 46h DWORD server task number (set by queue manager)
 4Ah DWORD server object ID (set by queue manager)
 4Eh 50 BYTES ASCIZ job description string
 80h 152 BYTES client record area

SeeAlso: #02209,#01971

-----N-21F217SF7D-----

INT 21 - Novell NetWare - READ QUEUE CURRENT STATUS

AX = F217h subfn 7Dh
 CX = length of request packet in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request packet (see #02211)
 ES:DI -> reply buffer (see #02212)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=66h,AX=F217h/SF=79h,AX=F217h/SF=7Bh

SeeAlso: AX=F217h/SF=7Eh

Format of NetWare "Read Queue Current Status" request packet:

Offset	Size	Description (Table 02211)
00h	WORD	length of following data
02h	BYTE	7Dh (subfunction "Read Queue Current Status")
03h	DWORD	(big-endian) object ID of queue

SeeAlso: #02212,#02213

Format of NetWare "Read Queue Current Status" reply packet:

Offset	Size	Description (Table 02212)
00h	DWORD	queue ID

04h DWORD queue status
 bit 0: no more jobs can be added
 bit 1: no more queue servers can be attached
 bit 2: attached queue servers can not service queue jobs
 08h DWORD current number of jobs in queue
 0Ch DWORD number of servers attached to queue
 10h N DWORDs attached server IDs

SeeAlso: #02211,#01966 at AH=E3h/SF=66h

-----N-21F217SF7E-----

INT 21 - Novell NetWare - SET QUEUE CURRENT STATUS

AX = F217h subfn 7Eh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02213)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=7Dh

Format of NetWare "Set Queue Current Status" request packet:

Offset Size Description (Table 02213)

00h WORD length of following data
 02h BYTE 7Eh (subfunction "Set Queue Current Status")
 03h DWORD queue ID
 07h DWORD queue status
 bit 0: no more jobs can be added
 bit 1: no more queue servers can be attached
 bit 2: attached queue servers can not service queue jobs

SeeAlso: #02211

-----N-21F217SF7F-----

INT 21 - Novell NetWare - CLOSE FILE AND START QUEUE JOB

AX = F217h subfn 7Fh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02214)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=69h,AX=F217h/SF=80h,AX=F217h/SF=81h

Format of NetWare "Close File And Start Queue Job" request packet:

Offset Size Description (Table 02214)

00h WORD length of following data

02h BYTE 7Fh (subfunction "Close File And Start Queue Job")
 03h DWORD queue ID
 07h DWORD job number

-----N-21F217SF80-----
 INT 21 - Novell NetWare - REMOVE JOB FROM QUEUE

AX = F217h subfn 80h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02215)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=6Ah,AX=F217h/SF=7Fh

Format of NetWare "Remove Job From Queue" request packet:

Offset Size Description (Table 02215)
 00h WORD length of following data
 02h BYTE 80h (subfunction "Remove Job From Queue")
 03h DWORD queue ID
 07h DWORD job number (returned when job was added to queue)

-----N-21F217SF81-----
 INT 21 - Novell NetWare - GET QUEUE JOB LIST

AX = F217h subfn 81h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02216)
 ES:DI -> reply buffer (see #02217)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=6Bh

Format of NetWare "Get Queue Job List" request packet:

Offset Size Description (Table 02216)
 00h WORD length of following data
 02h BYTE 81h (subfunction "Get Queue Job List")
 03h DWORD queue ID
 07h DWORD address of next job in queue

SeeAlso: #02217

Format of NetWare "Get Queue Job List" reply packet:

Offset Size Description (Table 02217)
 00h DWORD total jobs in queue
 04h DWORD length of job number list (max 125)

08h N DWORDs list of job numbers in queue

SeeAlso: #02216

-----N-21F217SF82-----

INT 21 - Novell NetWare v2.1+ - CHANGE JOB PRIORITY

AX = F217h subfn 82h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02218)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell"

Format of NetWare "Change Job Priority" request packet:

Offset Size Description (Table 02218)

00h WORD length of following data

02h BYTE 82h (subfunction "Change Job Priority")

03h DWORD queue ID

07h DWORD job number

0Bh DWORD priority

-----N-21F217SF83-----

INT 21 - Novell NetWare v3.1+ - FINISH SERVICING QUEUE JOB

AX = F217h subfn 83h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #01998 at AH=E3h/SF=83h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=83h,AX=F217h/SF=72h,AX=F217h/SF=84h

-----N-21F217SF84-----

INT 21 - Novell NetWare v3.1+ - ABORT SERVICING QUEUE JOB

AX = F217h subfn 84h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02000 at AH=E3h/SF=84h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Desc: inform the Queue Management System (QMS) that the queue server is
unable to service a previously-accepted job

SeeAlso: AH=F2h"Novell",AH=E3h/SF=84h,AX=F217h/SF=73h,AX=F217h/SF=83h

-----N-21F217SF85-----

INT 21 - Novell NetWare v3.1+ - CHANGE TO CLIENT RIGHTS

AX = F217h subfn 85h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02219)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Desc: temporarily assume the login identity of the client submitting the
 job being serviced

SeeAlso: AH=F2h"NetWare",AH=E3h/SF=74h,AX=F217h/SF=74h

Format of NetWare "Change to Client Rights" request packet:

Offset	Size	Description (Table 02219)
00h	WORD	length of following data
02h	BYTE	85h (subfunction "Change to Client Rights")
03h	DWORD	queue object ID
07h	DWORD	job number

SeeAlso: #01990

-----N-21F217SF86-----

INT 21 - Novell NetWare v3.1+ - READ QUEUE SERVER CURRENT STATUS

AX = F217h subfn 86h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02220)
 ES:DI -> reply buffer (see #02221)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=76h,AX=F217h/SF=77h,AX=F217h/SF=7Dh

Format of NetWare "Read Queue Server Current Status" request packet:

Offset	Size	Description (Table 02220)
00h	WORD	length of following data
02h	BYTE	86h (subfunction "Read Queue Server Current Status")
03h	DWORD	queue ID
07h	DWORD	server ID
0Bh	DWORD	connection ID

SeeAlso: #02221

Format of NetWare "Read Queue Server Current Status" request packet:

Offset	Size	Description (Table 02221)
00h	64 BYTES	server status record

SeeAlso: #02220

-----N-21F217SF87-----

INT 21 - Novell NetWare v3.1+ - GET QUEUE JOB FILE SIZE

AX = F217h subfn 87h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02222)

ES:DI -> reply buffer (see #02223)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=78h

Format of NetWare "Get Queue Job File Size" request packet:

Offset Size Description (Table 02222)

00h WORD length of following data

02h BYTE 87h (subfunction "Get Queue Job File Size")

???

SeeAlso: #02223

Format of NetWare "Get Queue Job File Size" request packet:

Offset Size Description (Table 02223)

00h ???

SeeAlso: #02222

-----N-21F217SF96-----

INT 21 - Novell NetWare - GET ACCOUNT STATUS

AX = F217h subfn 96h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02003 at AH=E3h/SF=96h)

ES:DI -> reply buffer (see #02224)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=96h,AX=F217h/SF=97h,AX=F217h/SF=98h

Format of NetWare "Get Account Status" reply packet:

Offset Size Description (Table 02224)

00h DWORD (big-endian) account balance

04h DWORD (big-endian) credit limit

signed number indicating lowest allowable account balance

06h 120 BYTES reserved

80h DWORD (big-endian) object ID, server 1

84h DWORD (big-endian) hold amount, server 1

...

F6h DWORD (big-endian) object ID, server 16

FAh DWORD (big-endian) hold amount, server 16

Note: the reply buffer lists the servers which have placed holds on a portion

of the account balance, and the amount reserved by each

SeeAlso: #02003,#02004 at AH=E3h/SF=96h

-----N-21F217SF97-----

INT 21 - Novell NetWare - SUBMIT ACCOUNT CHARGE

AX = F217h subfn 97h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02005 at AH=E3h/SF=97h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=97h,AX=F217h/SF=96h,AX=F217h/SF=98h

-----N-21F217SF98-----

INT 21 - Novell NetWare - SUBMIT ACCOUNT HOLD

AX = F217h subfn 98h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02006 at AH=E3h/SF=98h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=98h,AX=F217h/SF=97h,AX=F217h/SF=99h

-----N-21F217SF99-----

INT 21 - Novell NetWare - SUBMIT ACCOUNT NOTE

AX = F217h subfn 99h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02008 at AH=E3h/SF=99h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=99h,AX=F217h/SF=96h,AX=F217h/SF=98h

-----N-21F217SFC8-----

INT 21 - Novell NetWare - CHECK CONSOLE PRIVILEGES

AX = F217h subfn C8h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02009 at AH=E3h/SF=C8h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=C8h,AX=F217h/SF=C9h,AX=F217h/SF=D1h

-----N-21F217SFC9-----

INT 21 - Novell NetWare - GET FILE SERVER DESCRIPTION STRINGS

AX = F217h subfn C9h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02010 at AH=E3h/SF=C9h)
 ES:DI -> reply buffer (see #02225)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=C9h,AX=F217h/SF=C8h,AX=F217h/SF=CAh

Format of NetWare "Get File Server Description Strings" reply packet:

Offset Size Description (Table 02225)
 00h var ASCIIZ name of company distributing this copy of NetWare
 var ASCIIZ version and revision
 9 BYTEs ASCIIZ revision date (mm/dd/yy)
 var ASCIIZ copyright notice

SeeAlso: #02010,#02011 at AH=E3h/SF=C9h

-----N-21F217SFCA-----

INT 21 - Novell NetWare - SET FILE SERVER DATE AND TIME

AX = F217h subfn CAh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02012 at AH=E3h/SF=CAh)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=CAh,AX=F217h/SF=C8h,AX=F217h/SF=CBh

-----N-21F217SFCB-----

INT 21 - Novell NetWare - DISABLE FILE SERVER LOGIN

AX = F217h subfn CBh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02013 at AH=E3h/SF=CBh)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=CBh,AX=F217h/SF=C8h,AX=F217h/SF=CCh

-----N-21F217SFCC-----

INT 21 - Novell NetWare - ENABLE FILE SERVER LOGIN

AX = F217h subfn CCh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02015 at AH=E3h/SF=CCh)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=CCh,AX=F217h/SF=C8h,AX=F217h/SF=CBh

-----N-21F217SFCD-----

INT 21 - Novell NetWare - GET FILE SERVER LOGIN STATUS

AX = F217h subfn CDh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02016 at AH=E3h/SF=CDh)

ES:DI -> reply buffer (see #02226)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=CDh,AX=F217h/SF=CBh,AX=F217h/SF=CCh

Format of NetWare "Get File Server Login Status" reply packet:

Offset Size Description (Table 02226)

00h BYTE login state (00h disabled, 01h enabled)

SeeAlso: #02016,#02017 at AH=E3h/SF=CDh

-----N-21F217SFCE-----

INT 21 - Novell NetWare - PURGE ALL ERASED FILES

AX = F217h subfn CEh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02018 at AH=E3h/SF=CEh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=CEh,AX=F244h

-----N-21F217SFCF-----

INT 21 - Novell NetWare - DISABLE TRANSACTION TRACKING

AX = F217h subfn CFh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02019 at AH=E3h/SF=CFh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=CFh,AX=F217h/SF=D0h

-----N-21F217SFD0-----

INT 21 - Novell NetWare - ENABLE TRANSACTION TRACKING

AX = F217h subfn D0h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02021 at AH=E3h/SF=D0h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D0h,AX=F217h/SF=CFh

-----N-21F217SFD1-----

INT 21 - Novell NetWare - SEND CONSOLE BROADCAST

AX = F217h subfn D1h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02022 at AH=E3h/SF=D1h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D1h,AX=F217h/SF=D2h

-----N-21F217SFD2-----

INT 21 - Novell NetWare v3+ - CLEAR CONNECTION NUMBER (LOGOUT STATION)

AX = F217h subfn D2h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02023 at AH=E3h/SF=D2h)

ES:DI ignored

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D2h,AX=F217h/SF=D1h,AX=F217h/SF=FEh

-----N-21F217SFD3-----

INT 21 - Novell NetWare - DOWN FILE SERVER

AX = F217h subfn D3h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02026 at AH=E3h/SF=D3h)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D3h,AX=F217h/SF=D2h

-----N-21F217SFD4-----

INT 21 - Novell NetWare - GET FILE SYSTEM STATISTICS

AX = F217h subfn D4h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02027 at AH=E3h/SF=D4h)

ES:DI -> reply buffer (see #02227)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D4h,AX=F217h/SF=D6h,AX=F217h/SF=D9h

Format of NetWare "Get File System Statistics" reply packet:

Offset Size Description (Table 02227)

00h DWORD clock ticks since system started
 04h WORD maximum open files set by configuration
 06h WORD maximum files open concurrently
 08h WORD current number of open files
 0Ah DWORD total files opened
 0Eh DWORD total file read requests
 12h DWORD total file write requests
 16h WORD current changed FATs
 18h WORD total changed FATs
 1Ah WORD number of FAT write errors
 1Ch WORD number of fatal FAT write errors
 1Eh WORD number of FAT scan errors
 20h WORD maximum concurrently-indexed files
 22h WORD current number of indexed files
 24h WORD number of attached indexed files
 26h WORD number of indexed files available

Note: all fields are big-endian

SeeAlso: #02027, #02028 at AH=E3h/SF=D4h

-----N-21F217SFD5-----

INT 21 - Novell NetWare - GET TRANSACTION TRACKING STATISTICS

AX = F217h subfn D5h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02029 at AH=E3h/SF=D5h)

ES:DI -> reply buffer (see #02228)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell", AH=E3h/SF=D5h, AX=F217h/SF=D0h

Format of NetWare "Get Transaction Tracking Statistics" reply packet:

Offset Size Description (Table 02228)

00h DWORD (big-endian) clock ticks since system started
 04h BYTE transaction tracking supported if nonzero
 (all following fields are invalid if zero)
 05h BYTE transaction tracking enabled
 06h WORD (big-endian) transaction volume number
 08h WORD (big-endian) maximum simultaneous transactions configured
 0Ah WORD (big-endian) maximum simultaneous transactions since startup
 0Ch WORD (big-endian) current transactions in progress
 0Eh DWORD (big-endian) total transactions performed
 12h DWORD (big-endian) total write transactions
 16h DWORD (big-endian) total transactions backed out

1Ah WORD (big-endian) number of unfilled backout requests
 1Ch WORD (big-endian) disk blocks used for transaction tracking
 1Eh DWORD (big-endian) blocks allocated for tracked-file FATs
 22h DWORD (big-endian) number of file size changes during a transaction
 26h DWORD (big-endian) number of file truncations during a transaction
 2Ah BYTE number of records following
 2Bh Active Transaction Records [array]

Offset Size Description

00h BYTE logical connection number

01h BYTE task number

SeeAlso: #02029,#02030 at AH=E3h/SF=D5h

-----N-21F217SFD6-----

INT 21 - Novell NetWare - GET DISK CACHE STATISTICS

AX = F217h subfn D6h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02031 at AH=E3h/SF=D6h)

ES:DI -> reply buffer (see #02229)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D6h,AX=F217h/SF=D5h,AX=F217h/SF=D8h

Format of NetWare "Get Disk Cache Statistics" reply packet:

Offset Size Description (Table 02229)

00h DWORD clock ticks since system started
 04h WORD number of cache buffers
 06h WORD size of cache buffer in bytes
 08h WORD number of dirty cache buffers
 0Ah DWORD number of cache read requests
 0Eh DWORD number of cache write requests
 12h DWORD number of cache hits
 16h DWORD number of cache misses
 1Ah DWORD number of physical read requests
 1Eh DWORD number of physical write requests
 22h WORD number of physical read errors
 24h WORD number of physical write errors
 26h DWORD cache get requests
 2Ah DWORD cache full write requests
 2Eh DWORD cache partial write requests
 32h DWORD background dirty writes
 36h DWORD background aged writes
 3Ah DWORD total cache writes

3Eh DWORD number of cache allocations
 42h WORD thrashing count
 44h WORD number of times LRU block was dirty
 46h WORD number of reads on cache blocks not yet filled by writes
 48h WORD number of times a fragmented write occurred
 4Ah WORD number of cache hits on unavailable block
 4Ch WORD number of times a cache block was scrapped

Note: all fields are big-endian

SeeAlso: #02031,#02032 at AH=E3h/SF=D6h

-----N-21F217SFD7-----

INT 21 - Novell NetWare - GET DRIVE MAPPING TABLE

AX = F217h subfn D7h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02033 at AH=E3h/SF=D7h)

ES:DI -> reply buffer (see #02230)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AX=EF00h,AX=EF01h,AX=EF02h,AH=F2h"Novell",AH=E3h/SF=D7h

Format of NetWare "Get Drive Mapping Table" reply packet:

Offset Size Description (Table 02230)

00h DWORD (big-endian) clock tick elapsed since system started
 04h BYTE fault tolerance (SFT) level
 05h BYTE number of logical drives attached to server
 06h BYTE number of physical drives attached to server
 07h 5 BYTES disk channel types (00h none, 01h XT, 02h AT, 03h SCSI,
 04h disk coprocessor drive, 32h-FFh value-added drive types)
 0Ch WORD (big-endian) number of outstanding controller commands
 0Eh 32 BYTES drive mapping table (FFh = no such drive)
 2Eh 32 BYTES drive mirror table (secondary physical drive, FFh = none)
 4Eh 32 BYTES dead mirror table (last drive mapped to, FFh if never mirrored)
 6Eh BYTE physical drive being remirrored (FFh = none)
 6Fh BYTE reserved
 70h DWORD (big-endian) remirrored block
 74h 60 BYTES SFT error table (internal error counters)

SeeAlso: #02033,#02034 at AH=E3h/SF=D7h

-----N-21F217SFD8-----

INT 21 - Novell NetWare - GET PHYSICAL DISK STATISTICS

AX = F217h subfn D8h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02035 at AH=E3h/SF=D8h)

ES:DI -> reply buffer (see #02231)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D8h,AX=F217h/SF=D9h

Format of NetWare "Get Physical Disk Statistics" request packet:

Offset Size Description (Table 02231)

00h DWORD (big-endian) clock ticks since system started
 04h BYTE physical disk channel
 05h BYTE flag: drive removable if nonzero
 06h BYTE physical drive type
 07h BYTE drive number within controller
 08h BYTE controller number
 09h BYTE controller type
 0Ah DWORD (big-endian) size of drive in 4K disk blocks
 0Eh WORD (big-endian) number of cylinders on drive
 10h BYTE number of heads
 11h BYTE number of sectors per track
 12h 64 BYTES ASCIZ drive make and model
 52h WORD (big-endian) number of I/O errors
 56h DWORD (big-endian) start of Hot Fix table
 58h WORD (big-endian) size of Hot Fix table
 5Ah WORD (big-endian) number of Hot Fix blocks available
 5Ch BYTE flag: Hot Fix disabled if nonzero

SeeAlso: #02035,#02036 at AH=E3h/SF=D8h

-----N-21F217SFD9-----

INT 21 - Novell NetWare - GET DISK CHANNEL STATISTICS

AX = F217h subfn D9h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02037 at AH=E3h/SF=D9h)

ES:DI -> reply buffer (see #02232)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=D9h,AX=F217h/SF=D8h

Format of NetWare "Get Disk Channel Statistics" reply packet:

Offset Size Description (Table 02232)

00h DWORD (big-endian) clock ticks since system started
 04h WORD (big-endian) channel run state (see #02039)
 06h WORD (big-endian) channel synchronization state (see #02040)
 08h BYTE driver type

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09h BYTE major version of driver
0Ah BYTE minor version of driver
0Bh 65 BYTES ASCIZ driver description
4Ch WORD (big-endian) first I/O address used
4Eh WORD (big-endian) length of first I/O address
50h WORD (big-endian) second I/O address used
52h WORD (big-endian) length of second I/O address
54h 3 BYTES first shared memory address
57h 2 BYTES length of first shared memory address
59h 3 BYTES second shared memory address
5Ch 2 BYTES length of second shared memory address
5Eh BYTE first interrupt number in-use flag
5Fh BYTE first interrupt number used
60h BYTE second interrupt number in-use flag
61h BYTE second interrupt number used
62h BYTE first DMA channel in-use flag
63h BYTE first DMA channel used
64h BYTE second DMA channel in-use flag
65h BYTE second DMA channel used
66h BYTE flags
67h BYTE reserved
68h 80 BYTES ASCIZ configuration description

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SeeAlso: #02037,#02038 at AH=E3h/SF=D9h

-----N-21F217SFDA-----

INT 21 - Novell NetWare v2.2+ - GET CONNECTION'S TASK INFORMATION

AX = F217h subfn DAh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02041 at AH=E3h/SF=DAh)

ES:DI -> reply buffer (see #02233)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=DAh,AX=F217h/SF=EAh

Format of NetWare "Get Connection's Task Information" reply packet:

Offset Size Description (Table 02233)

00h BYTE lock status of connection (see #02043)

01h var Lock Status Information (see #02044)

N BYTE number of records following

N+1 Active Task Information Records [array]

Offset Size Description

00h BYTE task number (01h-FFh)

01h BYTE task state
 00h normal task
 01h in TTS explicit transaction
 02h in TTS implicit transaction
 04h shared fileset lock active

SeeAlso: #02248,#02041,#02042 at AH=E3h/SF=DAh

-----N-21F217SFDB-----

INT 21 - Novell NetWare v2.2+ - GET CONNECTION'S OPEN FILES (OLD)

AX = F217h subfn DBh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02045 at AH=E3h/SF=DBh)
 ES:DI -> reply buffer (see #02234)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=DBh,AX=F217h/SF=EBh

Format of NetWare "Get Connection's Open Files (old)" reply packet:

Offset Size Description (Table 02234)

00h WORD next request record (place in "last record" field on next call)
 0000h if no more records
 02h BYTE number of records following
 03h var array of File Information Records (see #02047 at AH=E3h/SF=DBh)

SeeAlso: #02045,#02046 at AH=E3h/SF=DBh

-----N-21F217SFDC-----

INT 21 - Novell NetWare v2.2+ - GET CONNECTIONS USING A FILE (OLD)

AX = F217h subfn DCh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02050 at AH=E3h/SF=DCh)
 ES:DI -> reply buffer (see #02235)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=DCh,AX=F217h/SF=ECh

Format of NetWare "Get Connections Using A File (old)" reply packet:

Offset Size Description (Table 02235)

00h WORD (big-endian) count of tasks which have opened or logged file
 02h WORD (big-endian) count of tasks which have opened file
 04h WORD (big-endian) count of opens for reading
 06h WORD (big-endian) count of opens for writing
 08h WORD (big-endian) deny read count
 0Ah WORD (big-endian) deny write count

0Ch WORD next request record (place in "last record" field on next call)

0000h if no more records

0Eh BYTE locked flag

00h not locked exclusively

else locked exclusively

0Fh BYTE number of records following

10h var array of File Usage Information Records

(see #02052 at AH=E3h/SF=DCh)

SeeAlso: #02050,#02051 at AH=E3h/SF=DCh

-----N-21F217SFDD-----

INT 21 - Novell NetWare - GET PHYSICAL RECORD LOCKS BY CONNECTN AND FILE (OLD)

AX = F217h subfn DDh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02054 at AH=E3h/SF=DDh)

ES:DI -> reply buffer (see #02236)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=DDh,AX=F217h/SF=DEh,AX=F217h/SF=EDh

Format of NetWare "Get Phys Record Locks By Conn & File (old)" reply packet:

Offset Size Description (Table 02236)

00h WORD next request record (place in "last record" on next call)

0000h if no more records

02h BYTE number of physical record locks

03h BYTE number of records following

04h var array of Physical Record Lock Info records

(see #02056 at AH=E3h/SF=DDh)

SeeAlso: #02054,#02055 at AH=E3h/SF=DDh

-----N-21F217SFDE-----

INT 21 - Novell NetWare - GET PHYSICAL RECORD LOCKS BY FILE (OLD)

AX = F217h subfn DEh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02058 at AH=E3h/SF=DEh)

ES:DI -> reply buffer (see #02237)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=DEh,AX=F217h/SF=EEh

Format of NetWare "Get Physical Record Locks By File (old)" reply packet:

Offset Size Description (Table 02237)

00h WORD next request record (place in "last record" on next call)

0000h if no more records
 02h BYTE number of physical record locks
 03h BYTE number of records following
 04h var array of Physical Record Lock Info records (see #02060)
 SeeAlso: #02058,#02059 at AH=E3h/SF=DEh

-----N-21F217SFDF-----

INT 21 - Novell NetWare - GET LOGICAL RECORDS BY CONNECTION (OLD)

AX = F217h subfn DFh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02061 at AH=E3h/SF=DFh)
 ES:DI -> reply buffer (see #02238)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=DFh,AX=F217h/SF=EFh

Format of NetWare "Get Logical Records By Connection (old)" reply packet:

Offset	Size	Description (Table 02238)
00h	WORD	next request record (place in "last record" field on next call)
		0000h if no more locked records
02h	BYTE	number of records following
03h	var array	of Logical Lock Information Records (see #02063 at AH=E3h/SF=DFh)

SeeAlso: #02061,#02062 at AH=E3h/SF=DFh

-----N-21F217SFEO-----

INT 21 - Novell NetWare - GET LOGICAL RECORD INFORMATION (OLD)

AX = F217h subfn E0h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02064 at AH=E3h/SF=E0h)
 ES:DI -> reply buffer (see #02239)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=E0h,AX=F217h/SF=F0h

Format of NetWare "Get Logical Record Information (Old)" reply packet:

Offset	Size	Description (Table 02239)
00h	WORD	(big-endian) number of logical connections logging the record
02h	WORD	(big-endian) number of logical connections with shareable lock
04h	WORD	(big-endian) next request record (place in "last record" field on next call)
06h	BYTE	locked exclusively if nonzero
07h	BYTE	number of records following

08h var array of Task Information Records (see #02066 at AH=E3h/SF=E0h)

SeeAlso: #02064,#02065 at AH=E3h/SF=E0h

-----N-21F217SFE1-----

INT 21 - Novell NetWare - GET CONNECTION'S SEMAPHORES (OLD)

AX = F217h subfn E1h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02067 at AH=E3h/SF=E1h)

ES:DI -> reply buffer (see #02240)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=E1h,AX=F217h/SF=F1h

Format of NetWare "Get Connection's Semaphores (old)" reply packet:

Offset Size Description (Table 02240)

00h WORD next request record (place in "last record" field on next call)

02h BYTE number of records following

03h var array of Semaphore Information Records
(see #02069 at AH=E3h/SF=E1h)

SeeAlso: #02067,#02068 at AH=E3h/SF=E1h

-----N-21F217SFE2-----

INT 21 - Novell NetWare - GET SEMAPHORE INFORMATION (OLD)

AX = F217h subfn E2h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02070 at AH=E3h/SF=E2h)

ES:DI -> reply buffer (see #02241)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=E2h,AX=F217h/SF=F2h

Format of NetWare "Get Semaphore Information (old)" reply packet:

Offset Size Description (Table 02241)

00h WORD next request record (place in "last record" on next call)
0000h if no more

02h WORD (big-endian) number of logical connections opening semaphore

04h BYTE semaphore value (-127 to 128)

05h BYTE number of records following

06h var array of Semaphore Information records (see #02072)

SeeAlso: #02070,#02071 at AH=E3h/SF=E2h

-----N-21F217SFE3-----

INT 21 - Novell NetWare - GET LAN DRIVER'S CONFIGURATION INFORMATION

AX = F217h subfn E3h

CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02073 at AH=E3h/SF=E3h)
 ES:DI -> reply buffer (see #02242)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=E3h,AX=F217h/SF=E7h,AX=F217h/SF=E8h

Format of NetWare "Get Lan Driver's Configuration Information" reply packet:

Offset	Size	Description (Table 02242)
00h	4 BYTES	network number
04h	6 BYTES	node number
0Ah	BYTE	LAN driver installed (00h no--remaining fields invalid)
0Bh	BYTE	option number selected at configuration time
0Ch	160 BYTES	configuration text ASCIZ hardware type ASCIZ hardware settings

SeeAlso: #02073,#02074 at AH=E3h/SF=E3h

-----N-21F217SFE5-----

INT 21 - Novell NetWare - GET CONNECTION'S USAGE STATISTICS

AX = F217h subfn E5h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02075 at AH=E3h/SF=E5h)
 ES:DI -> reply buffer (see #02243)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AH=E3h/SF=E5h,AX=F217h/SF=EAh

Format of NetWare "Get Connection's Usage Statistics" reply packet:

Offset	Size	Description (Table 02243)
00h	DWORD (big-endian)	clock ticks since server started
04h	6 BYTES	bytes read
0Ah	6 BYTES	bytes written
10h	DWORD (big-endian)	total request packets

SeeAlso: #02075,#02076 at AH=E3h/SF=E5h

-----N-21F217SFE6-----

INT 21 - Novell NetWare - GET OBJECT'S REMAINING DISK SPACE

AX = F217h subfn E6h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02077 at AH=E3h/SF=E6h)
 ES:DI -> reply buffer (see #02244)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=E6h,AX=F216h/SF=20h,AX=F216h/SF=23h

Format of NetWare "Get Object's Remaining Disk Space" reply packet:

Offset Size Description (Table 02244)

00h DWORD (big-endian) clock ticks elapsed since server started

04h DWORD (big-endian) object ID

08h DWORD (big-endian) 4K disk blocks available to user

0Ch BYTE restrictions (00h enforced, FFh not enforced)

SeeAlso: #02077,#02078 at AH=E3h/SF=E6h

-----N-21F217SFE7-----

INT 21 - Novell NetWare - GET FILE SERVER LAN I/O STATISTICS

AX = F217h subfn E7h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02079 at AH=E3h/SF=E7h)

ES:DI -> reply buffer (see #02245)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=E7h,AX=F217h/SF=11h,AX=F217h/SF=F5h

Format of NetWare "Get File Server Lan I/O Statistics" reply packet:

Offset Size Description (Table 02245)

00h DWORD clock ticks since system started

04h WORD total routing buffers

06h WORD maximum routing buffers used

08h WORD current routing buffers used

0Ah DWORD total file service packets

0Eh WORD number of file service packets buffered

10h WORD number of invalid connection packets

12h WORD packets with bad logical connection numbers

14h WORD number of packets received during processing

16h WORD number of requests reprocessed

18h WORD packets with bad sequence numbers

1Ah WORD number of duplicate replies sent

1Ch WORD number of acknowledgements sent

1Eh WORD number of packets with bad request types

20h WORD requests to attach to ws for which a request is being processed

22h WORD requests to attach from ws which is already attaching

24h WORD number of forged detach requests

26h WORD detach requests with bad connection number

28h WORD requests to detach from ws for which requests pending

2Ah WORD number of cancelled replies
 2Ch WORD packets discarded due to excessive hop count
 2Eh WORD packets discarded due to unknown net
 30h WORD incoming packets discarded for lack of DGroup buffer
 32h WORD outgoing packets discarded due to lack of buffer
 34h WORD received packets destined for B,C, or D side drivers
 36h DWORD number of NetBIOS packets propagated through net
 3Ah DWORD total number of non-file-service packets
 3Eh DWORD total number of routed packets

Note: all fields are big-endian

SeeAlso: #02079,#02080 at AH=E3h/SF=E7h

-----N-21F217SFE8-----

INT 21 - Novell NetWare - GET FILE SERVER MISC INFORMATION

AX = F217h subfn E8h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02081 at AH=E3h/SF=E8h)

ES:DI -> reply buffer (see #02246)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=E8h,AX=F217h/SF=11h,AX=F217h/SF=F5h

Format of NetWare "Get File Server Misc Information" reply packet:

Offset Size Description (Table 02246)

00h DWORD (big-endian) clock ticks since system started
 04h BYTE CPU type
 00h Motorola 68000
 01h Intel 8086, 8088, or V20
 02h Intel 80286+
 05h BYTE reserved
 06h BYTE number of service processes in server
 07h BYTE server utilization in percent
 08h WORD (big-endian) maximum bindery objects set by configuration
 0000h = unlimited
 0Ah WORD (big-endian) maximum number of bindery objects used
 0Ch WORD (big-endian) current number of bindery objects in use
 0Eh WORD (big-endian) total server memory in KB
 10h WORD (big-endian) wasted server memory in KB
 normally 0000h
 12h WORD number of records following (01h-03h)
 14h var array of Dynamic Memory Information records (see #02083)

SeeAlso: #02081,#02082 at AH=E3h/SF=E8h

-----N-21F217SFE9-----

INT 21 - Novell NetWare - GET VOLUME INFORMATION

AX = F217h subfn E9h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02084 at AH=E3h/SF=E9h)

ES:DI -> reply buffer (see #02247)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AH=E3h/SF=E9h,AX=F212h,AX=F216h/SF=15h

Format of NetWare "Get Volume Information" reply packet:

Offset Size Description (Table 02247)

00h DWORD (big-endian) elapsed system time

04h BYTE volume number

05h BYTE logical drive number

06h WORD (big-endian) sectors per block

08h WORD (big-endian) starting block

0Ah WORD (big-endian) total blocks on volume

0Ch WORD (big-endian) blocks available on volume

0Eh WORD (big-endian) total directory slots

10h WORD (big-endian) directory slots available

12h WORD (big-endian) maximum directory entries actually used

14h BYTE flag: volume hashed if nonzero

15h BYTE flag: volume cached if nonzero

16h BYTE flag: volume removable if nonzero

17h BYTE flag: volume mounted if nonzero

18h 16 BYTES NUL-padded volume name

SeeAlso: #02084,#02085 at AH=E3h/SF=E9h

-----N-21F217SFEA-----

INT 21 - Novell NetWare v3.11+ - GET CONNECTION'S TASK INFORMATION

AX = F217h subfn EAh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02248)

ES:DI -> reply buffer (see #02233)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=DAh

Format of NetWare "Get Connection's Task Information" request packet:

Offset Size Description (Table 02248)

00h WORD length of following data

02h BYTE EAh (subfunction "Get Connection's Task Information")

03h WORD connection number

SeeAlso: #02233,#02041 at AH=E3h/SF=DAh

-----N-21F217SFEB-----

INT 21 - Novell NetWare v3+ - GET CONNECTION'S OPEN FILES

AX = F217h subfn EBh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02249)

ES:DI -> reply buffer (see #02250)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AH=F2h"Novell",AX=F217h/SF=DBh

Format of NetWare "Get Connection's Open Files" request buffer:

Offset Size Description (Table 02249)

00h WORD 0005h (length of following data)

02h BYTE EBh (subfunction "Get Connection's Open Files")

03h WORD target connection number

05h WORD last record seen (set to 0000h for first call)

Note: connection numbers greater than the maximum supported by the server

can cause ABENDs

SeeAlso: #02250

Format of NetWare "Get Connection's Open Files" reply buffer:

Offset Size Description (Table 02250)

00h WORD next request record

02h WORD number of records returned (max 28)

04h 29N BYTEs array of connection records (see #02251)

SeeAlso: #02249

Format of NetWare connection record:

Offset Size Description (Table 02251)

00h WORD task number

02h BYTE lock type

03h BYTE access control

04h BYTE lock flag

05h BYTE volume number

06h DWORD parent directory entry number

0Ah DWORD directory entry number

0Eh BYTE fork count

0Fh BYTE data stream type / name space (see #02387)
 10h BYTE file name length
 11h 12 BYTES file name

SeeAlso: #02250

-----N-21F217SFEC-----

INT 21 - Novell NetWare v3+ - GET CONNECTIONS USING A FILE

AX = F217h subfn ECh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02252)

ES:DI -> reply buffer (see #02253)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AH=F2h"Novell",AX=F217h/SF=DCh

Format of NetWare "Get Connections Using a File" request buffer:

Offset Size Description (Table 02252)

00h WORD 0009h (length of following data)

02h BYTE ECh (subfunction "Get Connections Using a File")

03h BYTE data stream type

04h BYTE volume number

05h DWORD directory entry number

09h WORD last record seen (0000h for first call)

SeeAlso: #02253

Format of NetWare "Get Connections Using a File" reply buffer:

Offset Size Description (Table 02253)

00h WORD next request record

02h WORD use count

04h WORD open count

06h WORD number of times open for reading

08h WORD number of times open for writing

0Ah WORD Deny Read count

0Ch WORD Deny Write count

0Eh BYTE flag: locked

0Fh BYTE fork count

10h WORD number of records returned (max 70)

12h 7N BYTES returned records (see #02254)

SeeAlso: #02252

Format of returned record:

Offset Size Description (Table 02254)

00h WORD connection number
 02h WORD task number
 04h BYTE lock type
 05h BYTE access flag
 06h BYTE lock flag

SeeAlso: #02253

-----N-21F217SFED-----

INT 21 - Novell NetWare v3+ - GET PHYSICAL RECORD LOCKS BY CONNECTION AND FILE

AX = F217h subfn EDh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02255)
 ES:DI -> reply buffer (see #02256)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=DDh,AX=F217h/SF=EEh

Format of NetWare "Get Phys Record Locks By Conn And File" request packet:

Offset Size Description (Table 02255)

00h WORD length of following data
 02h BYTE EDh (subfunction "Get Physical Record Locks By Connection
 And File")
 03h WORD target connection number
 05h BYTE last record seen (set to 00h before first call)
 06h BYTE volume number
 07h DWORD directory entry number
 0Bh N BYTES filename

SeeAlso: #02256

Format of NetWare "Get Physical Record Locks By Connect And File" reply packet:

Offset Size Description (Table 02256)

00h WORD next record (place in last-seen field on next call)
 02h WORD number of locks returned
 04h 11N BYTES lock records

Offset	Size	Description
00h	WORD	(big-endian) task number
02h	BYTE	lock status
03h	DWORD	(big-endian) record start offset
07h	DWORD	(big-endian) record end offset

SeeAlso: #02255

-----N-21F217SFEE-----

INT 21 - Novell NetWare v3+ - GET PHYSICAL RECORD LOCKS BY FILE

AX = F217h subfn EEh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02257)

ES:DI -> reply buffer (see #02258)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AH=F2h"Novell",AX=F217h/SF=DEh

Format of NetWare "Get Physical Record Locks by File" request buffer:

Offset Size Description (Table 02257)

00h WORD 0009h (length of following data)

02h BYTE EEh (subfunction "Get Physical Record Locks by File")

03h BYTE data stream number

04h BYTE volume number

05h DWORD directory entry number

09h WORD last record seen (0000h for first call)

SeeAlso: #02258

Format of NetWare "Get Physical Record Locks by File" reply buffer:

Offset Size Description (Table 02258)

00h WORD next request record

02h WORD number of locks

04h 17N BYTES array of lock records, one per lock (see #02259)

SeeAlso: #02257

Format of NetWare lock record:

Offset Size Description (Table 02259)

00h WORD logged count

02h WORD number of shareable locks

04h DWORD start offset of record

08h DWORD end offset of record

0Ch WORD logical connection number

0Eh WORD task number

10h BYTE lock type

SeeAlso: #02258

-----N-21F217SFEF-----

INT 21 - Novell NetWare v3+ - GET LOGICAL RECORDS BY CONNECTION

AX = F217h subfn EFh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02260)
 ES:DI -> reply buffer (see #02261)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F217h/SF=DFh

Format of NetWare "Get Logical Records By Connection" request packet:

Offset	Size	Description (Table 02260)
00h	WORD	length of following data
02h	BYTE	EFh (subfunction "Get Logical Records By Connection")
03h	WORD	target connection number
05h	WORD	last record seen (set to 0000h before first call)

SeeAlso: #02261

Format of NetWare "Get Logical Records By Connection" request packet:

Offset	Size	Description (Table 02261)
00h	WORD	next record (place in last-seen field on next call)
02h	WORD	number of records returned
04h		Logical Lock Information records (see #02063 at AH=E3h/SF=DFh)

SeeAlso: #02260

-----N-21F217SFF0-----

INT 21 - Novell NetWare v3+ - GET LOGICAL RECORD INFORMATION

AX = F217h subfn F0h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02262)
 ES:DI -> reply buffer (see #02263)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F217h/SF=E0h,AX=F217h/SF=EFh

Format of NetWare "Get Logical Record Information" request packet:

Offset	Size	Description (Table 02262)
00h	WORD	length of following data
02h	BYTE	F0h (subfunction "Get Logical Record Information")
03h	WORD	last record seen
05h	BYTE	length of logical record name
06h	N BYTES	logical record name (case-sensitive)

SeeAlso: #02263

Format of NetWare "Get Logical Record Information" request packet:

Offset	Size	Description (Table 02263)
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00h WORD number of connections logging record
 02h WORD number of shareable locks
 04h BYTE flag: locked exclusively if nonzero
 05h WORD next request record (place in last-seen field on next call)
 07h BYTE number of records returned
 08h logical record information records [array]

Offset	Size	Description
00h	WORD	connection number
02h	BYTE	task number
03h	BYTE	lock status

SeeAlso: #02262

-----N-21F217SFF1-----

INT 21 - Novell NetWare v3+ - GET CONNECTION'S SEMAPHORES

AX = F217h subfn F1h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02264)
 ES:DI -> reply buffer (see #02265)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=E1h

Format of NetWare "Get Connection's Semaphores" request packet:

Offset	Size	Description (Table 02264)
00h	WORD	length of following data
02h	BYTE	F1h (subfunction "Get Connection's Semaphores")
03h	WORD	connection number
05h	WORD	last record seen (set to 0000h before first call)

SeeAlso: #02265

Format of NetWare "Get Connection's Semaphores" reply packet:

Offset	Size	Description (Table 02265)
00h	WORD	next record (place in last-seen field on next call)
02h	WORD	number of semaphores returned
04h	BYTES	semaphore information records [packed array] (see #02266)

SeeAlso: #02264

Format of NetWare semaphore information record:

Offset	Size	Description (Table 02266)
00h	WORD	semaphore's current value
02h	WORD	number of connections using semaphore
04h	WORD	task number

06h BYTE length of semaphore's name

07h N BYTEs semaphore name

SeeAlso: #02265

-----N-21F217SFF2-----

INT 21 - Novell NetWare v3+ - GET SEMAPHORE INFORMATION

AX = F217h subfn F2h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02267)

ES:DI -> reply buffer (see #02268)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AH=F2h"Novell",AX=F217h/SF=E2h

Format of NetWare "Get Semaphore Information" request buffer:

Offset Size Description (Table 02267)

00h WORD length of following data (max 84h)

02h BYTE F2h (subfunction "Get Semaphore Information")

03h WORD last record seen (0000h on first call)

05h BYTE length of semaphore name (max 128)

06h N BYTEs semaphore name

SeeAlso: #02268

Format of NetWare "Get Semaphore Information" reply buffer:

Offset Size Description (Table 02268)

00h WORD next request record

02h WORD open count

04h BYTE value of semaphore

05h WORD number of records returned

07h 2N WORDs list of logical connection number/task number pairs

SeeAlso: #02267

-----N-21F217SFF3-----

INT 21 - Novell NetWare v3+ - MAP DIRECTORY NUMBER TO PATH

AX = F217h subfn F3h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02269)

ES:DI -> reply buffer (see #02270)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F217h/SF=F4h

Format of NetWare "Map Directory Number to Path" request buffer:

Offset	Size	Description (Table 02269)
00h	WORD	0007h (length of following data)
02h	BYTE	F3h (subfunction "Map Directory Number to Path")
03h	BYTE	volume number
04h	DWORD	directory entry number
08h	BYTE	name space type

SeeAlso: #02270

Format of NetWare "Map Directory Number to Path" reply buffer:

Offset	Size	Description (Table 02270)
00h	BYTE	directory path length
01h	N BYTES	directory path (NetWare style, separated by length descriptors rather than slashes or backslashes)

SeeAlso: #02269

-----N-21F217SFF4-----

INT 21 - Novell NetWare v3+ - CONVERT PATH TO DIRECTORY ENTRY

AX = F217h subfn F4h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02271)
ES:DI -> reply buffer (see #02272)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

SeeAlso: AX=F217h/SF=F3h

Format of NetWare "Convert Path to Directory Entry" request packet:

Offset	Size	Description (Table 02271)
00h	WORD	length of following data
02h	BYTE	F4h (subfunction "Convert Path to Directory Entry")
03h	BYTE	directory handle or 00h for none
04h	BYTE	length of directory path
05h	N BYTES	directory path (must be fully qualified if no handle specified)

SeeAlso: #02272

Format of NetWare "Convert Path to Directory Entry" reply packet:

Offset	Size	Description (Table 02272)
00h	BYTE	volume number
01h	DWORD	directory entry number

SeeAlso: #02271

-----N-21F217SFF5-----

INT 21 - Novell NetWare - GET FILE SERVER EXTENDED MISC INFORMATION

AX = F217h subfn F5h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02273)

ES:DI -> reply buffer (see #02274)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F217h/SF=11h,AX=F217h/SF=C9h,AX=F217h/SF=E8h

Format of NetWare "Get File Server Extended Misc Information" request packet:

Offset Size Description (Table 02273)

00h WORD length of following data

02h BYTE F5h (subfunction "Get File Server Extended Misc Information")

03h BYTE length of reply buffer

SeeAlso: #02274

Format of NetWare "Get File Server Extended Misc Information" reply packet:

Offset Size Description (Table 02274)

00h DWORD system interval marker

(up-time in clock ticks, wraps to 0 on reaching FFFFFFFh)

04h BYTE processor type

00h Motorola 680x0

01h Intel 8088/8086

02h 80286

05h BYTE reserved for future use

06h BYTE number of service processes

07h BYTE server utilization percentage

08h WORD maximum bindery objects set by configuration

0Ah WORD actual maximum bindery objects

0Ch WORD current number of bindery objects

0Eh WORD (big-endian) total server memory

10h WORD (big-endian) wasted server memory

12h WORD (big-endian) number of dynamic memory areas

14h DWORD (big-endian) total space in dynamic memory area

18h DWORD maximum dynamic space used

1Ch DWORD dynamic space currently used

SeeAlso: #02273

-----N-21F217SFF6-----

INT 21 - Novell NetWare - GET VOLUME EXTENDED INFORMATION

AX = F217h subfn F6h

CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02275)
 ES:DI -> reply buffer (see #02276)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F217h/SF=E8h

Format of NetWare "Get Volume Extended Information" request packet:

Offset	Size	Description (Table 02275)
00h	WORD	length of following data
02h	BYTE	F6h (subfunction "Get Volume Extended Information")
03h	BYTE	volume number
04h	BYTE	size of reply buffer

SeeAlso: #02276

Format of NetWare "Get Volume Extended Information" reply packet:

Offset	Size	Description (Table 02276)
00h	DWORD	system interval (up-time in clock ticks, wraps to 0 on reaching FFFFFFFFh)
04h	BYTE	volume number
05h	BYTE	logical drive number
06h	WORD	number of 512-byte sectors per disk block
08h	DWORD	starting block number of volume
0Ch	WORD	total number of disk blocks
0Eh	WORD	number of free disk blocks
10h	WORD	total number of directory entries
12h	WORD	number of available directory entries
14h	WORD	maximum directory entries ever used
16h	BYTE	flag: volume is hashed in memory if nonzero
17h	BYTE	flag: volume is cached if nonzero
18h	BYTE	flag: volume is removable if nonzero
19h	BYTE	flag: volume is mounted if nonzero
1Ah	16 BYTES	volume name (null-padded)

SeeAlso: #02275

-----N-21F217SFFE-----

INT 21 - Novell NetWare v4 - CLEAR CONNECTION NUMBER GREATER THAN 250

AX = F217h subfn FEh
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02277)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=E3h/SF=D2h,AX=F217h/SF=D2h

Format of NetWare "Clear Connection Number" request buffer:

Offset Size Description (Table 02277)

00h WORD length of following data

02h BYTE FEh (subfunction "Clear Connection Number")

03h DWORD connection number

SeeAlso: #02023

-----N-21F21B-----

INT 21 - Novell NetWare - LOCK PHYSICAL RECORD SET (OLD)

AX = F21Bh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02480 at AX=F26Eh)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F26Eh,AH=C2h"NetWare"

-----N-21F21E-----

INT 21 - Novell NetWare - CLEAR PHYSICAL RECORD

AX = F21Eh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02278)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=5Ch,AH=BEh"NetWare",AH=F2h"Novell",AX=F20Bh,AX=F21Fh

Format of NetWare "Clear Physical Record" request packet:

Offset Size Description (Table 02278)

00h BYTE reserved for future use

01h 6 BYTES NetWare file handle

07h DWORD starting offset of locked region

0Bh DWORD length of locked region

SeeAlso: #02279

-----N-21F21F-----

INT 21 - Novell NetWare - CLEAR PHYSICAL RECORD SET

AX = F21Fh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02279)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=5Ch,AH=C4h"NetWare",AH=F2h"Novell",AX=F20Eh,AX=F21Eh

Format of NetWare "Clear Physical Record Set" request packet:

Offset Size Description (Table 02279)

00h BYTE lock flag (00h = not locked)

SeeAlso: #02278

-----N-21F220SF00-----

INT 21 - Novell NetWare - OPEN SEMAPHORE (OLD)

AX = F220h subfn 00h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02280)

ES:DI -> reply buffer (see #02281)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C500h,AX=F220h/SF=01h,AX=F220h/SF=03h

Format of NetWare "Open Semaphore (old)" request packet:

Offset Size Description (Table 02280)

00h BYTE 00h (subfunction "Open Semaphore (old)")

01h BYTE initial value of semaphore (>= 0)

02h BYTE length of semaphore's name (max 512)

03h N BYTES semaphore name

SeeAlso: #02281,#02282

Format of NetWare "Open Semaphore (old)" reply packet:

Offset Size Description (Table 02281)

00h DWORD semaphore handle

04h BYTE number of processes using semaphore (including caller)

SeeAlso: #02280,#02283

-----N-21F220SF01-----

INT 21 - Novell NetWare - EXAMINE SEMAPHORE (OLD)

AX = F220h subfn 01h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02282)

ES:DI -> reply buffer (see #02283)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C501h,AX=F220h/SF=00h,AX=F220h/SF=03h

Format of NetWare "Close Semaphore (old)" request packet:

Offset Size Description (Table 02282)

00h BYTE 01h (subfunction "Examine Semaphore (old)")

01h DWORD semaphore handle

SeeAlso: #02283,#02280

Format of NetWare "Close Semaphore (old)" request packet:

Offset Size Description (Table 02283)

00h BYTE current semaphore value

01h BYTE number of processes using semaphore (including caller)

SeeAlso: #02282,#02281

-----N-21F220SF02-----

INT 21 - Novell NetWare - WAIT ON SEMAPHORE (OLD)

AX = F220h subfn 02h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02284)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C502h,AX=F220h/SF=00h,AX=F220h/SF=03h

Format of NetWare "Wait on Semaphore (old)" request packet:

Offset Size Description (Table 02284)

00h BYTE 02h (subfunction "Wait on Semaphore (old)")

01h DWORD semaphore handle

05h WORD timeout in 1/18s (0000h = return immediately)

SeeAlso: #02282,#02285

-----N-21F220SF03-----

INT 21 - Novell NetWare - SIGNAL SEMAPHORE (OLD)

AX = F220h subfn 03h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02285)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C503h,AX=F220h/SF=02h,AX=F220h/SF=04h

Format of NetWare "Signal Semaphore (old)" request packet:

Offset Size Description (Table 02285)

00h BYTE 03h (subfunction "Signal Semaphore (old)")

01h DWORD semaphore handle

SeeAlso: #02284,#02286

-----N-21F220SF04-----

INT 21 - Novell NetWare - CLOSE SEMAPHORE (OLD)

AX = F220h subfn 04h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02286)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C504h,AX=F220h/SF=00h,AX=F220h/SF=01h

SeeAlso: AX=F26Fh/SF=01h

Format of NetWare "Close Semaphore (old)" request packet:

Offset Size Description (Table 02286)

00h BYTE 04h (subfunction "Close Semaphore (old)")

01h DWORD semaphore handle

SeeAlso: #02285,#02483

-----N-21F222SF00-----

INT 21 - Novell NetWare - TTS IS AVAILABLE

AX = F222h subfn 00h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02287)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C702h,AX=F222h/SF=01h,AX=F222h/SF=05h

Format of NetWare "TTS Is Available" request packet:

Offset Size Description (Table 02287)

00h BYTE 00h (subfunction "TTS Is Available")

-----N-21F222SF01-----

INT 21 - Novell NetWare - TTS BEGIN TRANSACTION

AX = F222h subfn 01h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02288)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C700h,AX=F222h/SF=02h,AX=F222h/SF=03h

Format of NetWare "TTS Begin Transaction" request packet:

Offset Size Description (Table 02288)

00h BYTE 01h (subfunction "TTS Begin Transaction")

SeeAlso: #02289,#02291

-----N-21F222SF02-----

INT 21 - Novell NetWare - TTS END TRANSACTION

AX = F222h subfn 02h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02289)

ES:DI -> reply buffer (see #02290)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C701h,AX=F222h/SF=01h,AX=F222h/SF=04h

Format of NetWare "TTS End Transaction" request packet:

Offset Size Description (Table 02289)

00h BYTE 02h (subfunction "TTS End Transaction")

SeeAlso: #02290,#02288

Format of NetWare "TTS End Transaction" reply packet:

Offset Size Description (Table 02290)

00h DWORD transaction number

SeeAlso: #02289,#02292

-----N-21F222SF03-----

INT 21 - Novell NetWare - TTS ABORT TRANSACTION

AX = F222h subfn 03h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02291)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C703h,AX=F222h/SF=01h,AX=F222h/SF=02h

SeeAlso: AX=F220h/SF=04h

Format of NetWare "TTS Abort Transaction" request packet:

Offset Size Description (Table 02291)

00h BYTE 03h (subfunction "TTS Abort Transaction")

SeeAlso: #02288,#02289

-----N-21F222SF04-----

INT 21 - Novell NetWare - TTS TRANSACTION STATUS

AX = F222h subfn 04h

CX = length of request packet in bytes

DX = 0000h (no reply packet)
DS:SI -> request packet (see #02292)
ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=C704h,AX=F222h/SF=02h,AX=F222h/SF=03h

Format of NetWare "TTS Transaction Status" request packet:

Offset Size Description (Table 02292)
00h BYTE 04h (subfunction "TTS Transaction Status")
01h DWORD transaction number

SeeAlso: #02289,#02290

-----N-21F222SF05-----

INT 21 - Novell NetWare - TTS GET APPLICATION THRESHOLDS

AX = F222h subfn 05h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02293)
ES:DI -> reply buffer (see #02294)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=C705h,AX=F222h/SF=06h,AX=F222h/SF=07h

Format of NetWare "TTS Get Application Thresholds" request packet:

Offset Size Description (Table 02293)
00h BYTE 05h (subfunction "TTS Get Application Thresholds")

SeeAlso: #02294,#02295

Format of NetWare "TTS Get Application Thresholds" request packet:

Offset Size Description (Table 02294)
00h BYTE logical lock threshold
01h BYTE physical lock threshold

SeeAlso: #02293,#02295

-----N-21F222SF06-----

INT 21 - Novell NetWare - TTS SET APPLICATION THRESHOLDS

AX = F222h subfn 06h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02295)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=C706h,AX=F222h/SF=05h,AX=F222h/SF=08h

Format of NetWare "TTS Set Application Thresholds" request packet:

Offset Size Description (Table 02295)

00h BYTE 06h (subfunction "TTS Set Application Thresholds")
01h BYTE logical lock threshold before implicit transaction started
02h BYTE physical lock threshold before implicit transaction started

SeeAlso: #02294,#02298

-----N-21F222SF07-----

INT 21 - Novell NetWare - TTS GET WORKSTATION THRESHOLDS

AX = F222h subfn 07h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02296)
ES:DI -> reply buffer (see #02297)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C707h,AX=F222h/SF=05h,AX=F222h/SF=08h

Format of NetWare "TTS Get Workstation Thresholds" request packet:

Offset Size Description (Table 02296)

00h BYTE 07h (subfunction "TTS Get Workstation Thresholds")

SeeAlso: #02297

Format of NetWare "TTS Get Workstation Thresholds" reply packet:

Offset Size Description (Table 02297)

00h BYTE logical lock threshold
01h BYTE physical lock threshold

SeeAlso: #02296

-----N-21F222SF08-----

INT 21 - Novell NetWare - TTS SET WORKSTATION THRESHOLDS

AX = F222h subfn 08h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02298)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C708h,AX=F222h/SF=06h,AX=F222h/SF=07h

Format of NetWare "TTS Set Workstation Thresholds" request packet:

Offset Size Description (Table 02298)

00h BYTE 08h (subfunction "TTS Set Workstation Thresholds")
01h BYTE logical lock threshold before implicit transaction started
02h BYTE physical lock threshold before implicit transaction started

SeeAlso: #02295

-----N-21F222SF09-----

INT 21 - Novell NetWare - TTS GET CONTROL FLAGS

AX = F222h subfn 09h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02299)

ES:DI -> reply buffer (see #02300)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C702h,AX=F222h/SF=07h,AX=F222h/SF=0Ah

Format of NetWare "TTS Get Transaction Bits" request packet:

Offset Size Description (Table 02299)

00h BYTE 09h (subfunction "TTS Get Transaction Bits")

SeeAlso: #02300

Format of NetWare "TTS Get Transaction Bits" reply packet:

Offset Size Description (Table 02300)

00h BYTE TTS control flags

bit 0: forced (automatic) record locking enabled

bits 1-7: reserved

SeeAlso: #02299

-----N-21F222SF0A-----

INT 21 - Novell NetWare - TTS SET CONTROL FLAGS

AX = F222h subfn 0Ah

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02301)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=C702h,AX=F222h/SF=08h,AX=F222h/SF=09h

Format of NetWare "TTS Set Transaction Bits" request packet:

Offset Size Description (Table 02301)

00h BYTE 0Ah (subfunction "TTS Set Transaction Bits")

01h BYTE TTS control flags

bit 0: forced (automatic) record locking enabled

bits 1-7: reserved

-----N-21F223SF01-----

INT 21 - Novell NetWare v2+ - AFP CREATE DIRECTORY

AX = F223h subfn 01h

CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02302)
ES:DI -> reply buffer (see #02303)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F223h/SF=02h,AX=F223h/SF=0Dh

Format of NetWare "AFP Create Directory" request packet:

Offset Size Description (Table 02302)
00h WORD (big-endian) length of following data
02h BYTE 01h (subfunction "AFP Create Directory")
03h BYTE volume number
04h DWORD AFP entry ID
08h BYTE reserved for future use
09h 32 BYTES Finder information
29h BYTE path length
2Ah N BYTES AFP-style directory pathname (relative to AFP entry ID)

SeeAlso: #02303,#02304,#02330

Format of NetWare "AFP Create Directory" reply packet:

Offset Size Description (Table 02303)
00h DWORD new directory ID

SeeAlso: #02302,#02331

-----N-21F223SF02-----

INT 21 - Novell NetWare v2+ - AFP CREATE FILE

AX = F223h subfn 02h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02304)
ES:DI -> reply buffer (see #02305)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F223h/SF=02h,AX=F223h/SF=03h,AX=F223h/SF=0Dh

Format of NetWare "AFP Create File" request packet:

Offset Size Description (Table 02304)
00h WORD (big-endian) length of following data
02h BYTE 01h (subfunction "AFP Create Directory")
03h BYTE volume number
04h DWORD AFP entry ID
08h BYTE flag: delete existing file? (00h no, 01h yes)
09h 32 BYTES Finder information

29h BYTE path length
2Ah N BYTES AFP-style directory pathname (relative to AFP entry ID)
SeeAlso: #02302,#02305,#02306,#02332

Format of NetWare "AFP Create File" reply packet:

Offset Size Description (Table 02305)

00h DWORD new file's AFP entry ID

SeeAlso: #02304,#02333

-----N-21F223SF03-----

INT 21 - Novell NetWare v2+ - AFP DELETE FILE

AX = F223h subfn 03h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02306)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Note: directories may be deleted if they are empty

SeeAlso: AH=F2h"Novell",AX=F223h/SF=02h,AX=F223h/SF=0Dh

Format of NetWare "AFP Delete File" request packet:

Offset Size Description (Table 02306)

00h WORD (big-endian) length of following data

02h BYTE 03h (subfunction "AFP Delete File")

03h BYTE volume number

04h DWORD AFP entry ID

08h BYTE path length

09h N BYTES AFP-style pathname (relative to AFP entry ID)

SeeAlso: #02304

-----N-21F223SF04-----

INT 21 - Novell NetWare v2+ - AFP GET ENTRY ID FROM FILENAME

AX = F223h subfn 04h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02307)

ES:DI -> reply buffer (see #02308)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=06h,AX=F223h/SF=0Ch,AX=F223h/SF=12h

Format of NetWare "AFP Get Entry ID from Name" request packet:

Offset Size Description (Table 02307)

00h WORD (big-endian) length of following data

02h BYTE 04h (subfunction "AFP Get Entry ID from Name")
 03h BYTE volume number
 04h DWORD AFP entry ID
 08h BYTE path length
 09h N BYTEs AFP-style pathname (relative to AFP entry ID)
 SeeAlso: #02308,#02314

Format of NetWare "AFP Get Entry ID from Name" reply packet:

Offset Size Description (Table 02308)

00h DWORD AFP entry ID corresponding to specified file/directory

SeeAlso: #02307,#02315

-----N-21F223SF05-----

INT 21 - Novell NetWare v2+ - AFP GET FILE INFORMATION

AX = F223h subfn 05h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02309)

ES:DI -> reply buffer (see #02311)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=04h,AX=F223h/SF=09h,AX=F223h/SF=13h

Format of NetWare "AFP Get File Information" request packet:

Offset Size Description (Table 02309)

00h WORD (big-endian) length of following data

02h BYTE 05h (subfunction "AFP Get File Information")

03h BYTE volume number

04h DWORD AFP entry ID

08h WORD request bitmap

0Ah BYTE path length

0Bh N BYTEs AFP-style pathname (relative to AFP entry ID)

SeeAlso: #02311

Bitfields for NetWare AFP request bitmap:

Bit(s) Description (Table 02310)

0 return AFP entry ID

1 return data fork length

2 return resource fork length

3 return number of contained files/subdirectories

4 return owner ID

5 return short name

6 return access rights

7 ??? (unused?)
8 return attributes
9 return parent directory ID
10 return creation date
11 return last-access date
12 return last-modified date and time
13 return last-backup date and time
14 return Finder information
15 return long name

SeeAlso: #02309,#02336,#02337

Format of NetWare "AFP Get File Information" reply packet:

Offset Size Description (Table 02311)

00h DWORD AFP entry ID for specified file
04h DWORD AFP entry ID for specified file's parent directory
08h WORD directory/file attributes (see #02312)
0Ah DWORD length of data fork
0Eh DWORD length of resource fork
12h WORD total files and subdirectories contained within entry
always 0000h if entry is a file
14h WORD creation date in AFP format
16h WORD last-access date in AFP format
18h WORD last-modified date in AFP format
1Ah WORD last-modified time in AFP format
1Ch WORD last-backup date in AFP format
1Eh WORD last-backup time in AFP format
20h 32 BYTES Finder information
40h 32 BYTES long filename
60h DWORD NetWare object ID of owner
64h 12 BYTES short filename (MS-DOS 8.3 format)
70h WORD access privileges (see #02313)

SeeAlso: #02309,#02338

Bitfields for NetWare AFP file/directory attributes:

Bit(s) Description (Table 02312)

0 search mode
1 search mode
2 search mode
3 (undefined)
4 transaction
5 index

6 read audit
7 write audit
8 read-only
9 hidden
10 system
11 execute-only
12 subdirectory
13 archive
14 (undefined)
15 shareable file

SeeAlso: #02311,#02322,#02337

Bitfields for NetWare AFP access privileges:

Bit(s) Description (Table 02313)

8 read (files)
9 write (files)
10 open (files)
11 create (files)
12 delete (files)
13 parental (directories): create/delete/rename subdirectories
14 search (directories)
15 modify file status flags

SeeAlso: #02311,#02337,#02327

-----N-21F223SF06-----

INT 21 - Novell NetWare v2+ - AFP GET ENTRY ID FROM NETWARE HANDLE

AX = F223h subfn 06h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02314)

ES:DI -> reply buffer (see #02315)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=04h,AX=F223h/SF=0Ch,AX=F223h/SF=12h

Format of NetWare "AFP Get Entry ID from NetWare Handle" request packet:

Offset Size Description (Table 02314)

00h WORD (big-endian) length of following data

02h BYTE 06h (subfunction "AFP Get Entry ID from NetWare Handle")

03h 6 BYTES NetWare file handle

SeeAlso: #02315,#02307

Format of NetWare "AFP Get Entry ID from NetWare Handle" reply packet:

Offset Size Description (Table 02315)
 00h BYTE volume number
 01h DWORD AFP entry ID corresponding to same file as NetWare handle
 05h BYTE fork indicator (00h data fork, 01h resource fork)

SeeAlso: #02314,#02308

-----N-21F223SF07-----

INT 21 - Novell NetWare v2+ - AFP RENAME

AX = F223h subfn 07h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02316)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=01h,AX=F223h/SF=03h,AX=F223h/SF=08h

Format of NetWare "AFP Rename" request packet:

Offset Size Description (Table 02316)
 00h WORD (big-endian) length of following data
 02h BYTE 07h (subfunction "AFP Rename")
 03h BYTE volume number
 04h DWORD source AFP entry ID
 08h DWORD destination AFP entry ID
 0Ch BYTE source path length
 0Dh N BYTES AFP-style source path (relative to source AFP entry ID)
 BYTE destination path length
 N BYTES AFP-style destination path (relative to destination entry ID)

Note: the file may be moved from one directory to another without being renamed by setting the destination path to the empty string

-----N-21F223SF08-----

INT 21 - Novell NetWare v2+ - AFP OPEN FILE FORK

AX = F223h subfn 08h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02317)

ES:DI -> reply buffer (see #02318)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=01h,AX=F223h/SF=05h,AX=F223h/SF=09h

Format of NetWare "AFP Open File Fork" request packet:

Offset Size Description (Table 02317)
 00h WORD (big-endian) length of following data

02h BYTE 08h (subfunction "AFP Open File Fork")
 03h BYTE volume number
 04h DWORD AFP entry ID
 08h BYTE fork indicator (00h = data fork, 01h = resource fork)
 09h BYTE access mode

bit 0: read

bit 1: write

bit 2: deny read access to others

bit 3: deny write access to others

bit 4: compatibility mode (should be set)

0Ah BYTE path length

0Bh N BYTES AFP-style pathname (relative to AFP entry ID)

SeeAlso: #02318

Format of NetWare "AFP Open File Fork" reply packet:

Offset Size Description (Table 02318)

00h DWORD AFP entry ID for newly-opened file fork

04h DWORD length of opened fork

08h 6 BYTES NetWare file handle

SeeAlso: #02317

-----N-21F223SF09-----

INT 21 - Novell NetWare v2+ - AFP SET FILE INFORMATION

AX = F223h subfn 09h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02319)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=05h,AX=F223h/SF=0Ah,AX=F223h/SF=13h

Format of NetWare "AFP Set File Information" request packet:

Offset Size Description (Table 02319)

00h WORD (big-endian) length of following data

02h BYTE 09h (subfunction "AFP Set File Information")

03h BYTE volume number

04h DWORD AFP entry ID

08h WORD request bitmap (see #02320)

0Ah WORD directory/file attributes (see #02335)

0Ch WORD creation date in AFP format

0Eh WORD last-access date in AFP format

10h WORD last-modified date in AFP format

12h WORD last-modified time in AFP format
 14h WORD last-backup date in AFP format
 16h WORD last-backup time in AFP format
 18h 32 BYTES Finder information
 38h BYTE path length
 39h N BYTES AFP-style pathname (relative to AFP entry ID)
 SeeAlso: #02334

Bitfields for NetWare AFP request bitmap:

Bit(s) Description (Table 02320)

8 set attributes
 10 set creation date
 11 set last-access date
 12 set last-modified date
 13 set last-backup date
 14 set Finder information

SeeAlso: #02319,#02334

-----N-21F223SF0A-----

INT 21 - Novell NetWare v2+ - AFP SCAN FILE INFORMATION

AX = F223h subfn 0Ah
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02321)
 ES:DI -> reply buffer (see #02323)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=01h,AX=F223h/SF=03h,AX=F223h/SF=08h

Format of NetWare "AFP Scan File Information" request packet:

Offset Size Description (Table 02321)

00h WORD (big-endian) length of following data
 02h BYTE 0Ah (subfunction "AFP Scan File Information")
 03h BYTE volume number
 04h DWORD AFP entry ID
 08h DWORD AFP last-seen ID (from previous call)
 FFFFFFFFh on first call
 0Ch WORD number of entries to return (max. 4)
 0Eh WORD search bitmap (see #02322)
 10h WORD request bitmap (see #02310)
 12h BYTE path length
 13h N BYTES AFS-style directory path (relative to AFP entry ID)

SeeAlso: #02323,#02336

Bitfields for NetWare AFP search bitmap:

Bit(s) Description (Table 02322)

- 8 hidden files and directories
- 9 system files and directories
- 10 subdirectories
- 11 files

SeeAlso: #02321,#02336,#02310,#02312

Format of NetWare "AFP Scan File Information" reply packet:

Offset Size Description (Table 02323)

- 00h WORD number of entries returned
- 02h 120N BYTEs file information records (see #02324)

SeeAlso: #02321

Format of NetWare AFP file information:

Offset Size Description (Table 02324)

- 00h DWORD AFP entry ID
- 04h DWORD parent directory's AFP entry ID
- 08h WORD directory/file attributes (see #02312)
- 0Ah DWORD length of data fork
- 0Eh DWORD length of resource fork
- 12h WORD total files and subdirectories contained within entry
always 0000h if entry is a file
- 14h WORD creation date in AFP format
- 16h WORD last-access date in AFP format
- 18h WORD last-modified date in AFP format
- 1Ah WORD last-modified time in AFP format
- 1Ch WORD last-backup date in AFP format
- 1Eh WORD last-backup time in AFP format
- 20h 32 BYTEs Finder information
- 40h 32 BYTEs long filename
- 60h DWORD NetWare object ID of owner
- 64h 12 BYTEs short filename (MS-DOS 8.3 format)
- 70h WORD access privileges (see #02313)

SeeAlso: #02323

-----N-21F223SF0B-----

INT 21 - Novell NetWare v2+ - AFP ALLOCATE TEMPORARY DIRECTORY HANDLE

AX = F223h subfn 0Bh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02325)
ES:DI -> reply buffer (see #02326)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F223h/SF=0Dh

Format of NetWare "AFP Alloc Temporary Directory Handle" request packet:

Offset	Size	Description (Table 02325)
00h	WORD	(big-endian) length of following data
02h	BYTE	0Bh (subfunction "AFT Alloc Temporary Directory Handle")
03h	BYTE	volume number
04h	DWORD	AFP entry ID
08h	BYTE	path length
09h	N BYTES	AFP-style pathname

SeeAlso: #02326

Format of NetWare "AFP Alloc Temporary Directory Handle" request packet:

Offset	Size	Description (Table 02326)
00h	BYTE	directory handle
01h	BYTE	NetWare access rights (see #02327)

SeeAlso: #02325

Bitfields for NetWare AFP access rights:

Bit(s)	Description (Table 02327)
0	read
1	write
2	open
3	create
4	delete
5	parental: create/delete/rename subdirectories
6	search
7	modify file status flags

SeeAlso: #02326,#02313

-----N-21F223SF0C-----

INT 21 - Novell NetWare v2+ - AFP GET ENTRY ID FROM PATHNAME

AX = F223h subfn 0Ch
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02328)
ES:DI -> reply buffer (see #02329)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=04h,AX=F223h/SF=06h,AX=F223h/SF=12h

Format of NetWare "AFP Get Entry ID from Path Name" request packet:

Offset	Size	Description (Table 02328)
00h	WORD	(big-endian) length of following data
02h	BYTE	0Ch (subfunction "AFP Get Entry ID from Path Name")
03h	BYTE	NetWare directory handle
04h	BYTE	path length
05h	N BYTES	pathname

SeeAlso: #02329

Format of NetWare "AFP Get Entry ID from Path Name" reply packet:

Offset	Size	Description (Table 02329)
00h	DWORD	AFP entry ID corresponding to specified file

SeeAlso: #02328

-----N-21F223SF0D-----

INT 21 - Novell NetWare v2+ - AFP 2.0 CREATE DIRECTORY

AX = F223h subfn 0Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02330)

ES:DI -> reply buffer (see #02331)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=01h,AX=F223h/SF=0Eh

Format of NetWare "AFP 2.0 Create Directory" request buffer:

Offset	Size	Description (Table 02330)
00h	WORD	(big-endian) length of following data
02h	BYTE	0Dh (subfunction "AFP 2.0 Create Directory")
03h	BYTE	volume number
04h	DWORD	AFP entry ID
08h	BYTE	reserved for future use
09h	32 BYTES	Finder information
29h	6 BYTES	ProDOS information
2Fh	BYTE	path length
30h	var	AFS-style directory path (relative to AFP entry)

SeeAlso: #02331,#02302

Format of NetWare "AFP 2.0 Create Directory" reply buffer:

Offset	Size	Description (Table 02331)
00h	DWORD	new directory ID

SeeAlso: #02330,#02303

-----N-21F223SF0E-----

INT 21 - Novell NetWare v2+ - AFP 2.0 CREATE FILE

AX = F223h subfn 0Eh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02332)

ES:DI -> reply buffer (see #02333)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=0Dh

Format of NetWare "AFP 2.0 Create File" request packet:

Offset Size Description (Table 02332)

00h WORD (big-endian) length of following data

02h BYTE 0Eh (function "AFP 2.0 Create File")

03h BYTE volume number

04h DWORD AFP entry ID

08h BYTE flag: delete existing file? (00h no, 01h yes)

09h 32 BYTES Finder information

29h 6 BYTES ProDOS information

2Fh BYTE path length

30h var AFP-style pathname (relative to AFP entry ID)

SeeAlso: #02333,#02304

Format of NetWare "AFP 2.0 Create File" reply packet:

Offset Size Description (Table 02333)

00h DWORD new file ID

SeeAlso: #02332,#02305

-----N-21F223SF10-----

INT 21 - Novell NetWare v2+ - AFP 2.0 SET FILE INFORMATION

AX = F223h subfn 10h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02334)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=09h,AX=F223h/SF=11h

Format of NetWare "AFP 2.0 Set File Information" request packet:

Offset Size Description (Table 02334)

00h WORD (big-endian) length of following data

02h BYTE 10h (subfunction "AFS 2.0 Set File Information")

03h BYTE volume number
 04h DWORD AFP entry ID
 08h WORD request bitmap (see #02320)
 0Ah WORD directory/file attributes (see #02335)
 0Ch WORD creation date in AFP format
 0Eh WORD last-access date in AFP format
 10h WORD last-modified date in AFP format
 12h WORD last-modified time in AFP format
 14h WORD last-backup date in AFP format
 16h WORD last-backup time in AFP format
 18h 32 BYTES Finder information
 38h 6 BYTES ProDOS information
 3Eh BYTE path length
 3Fh N BYTES AFP-style pathname (relative to AFP entry ID)

SeeAlso: #02319

Bitfields for NetWare AFP directory/file attributes:

Bit(s) Description (Table 02335)

0 read-only
 1 hidden
 2 system
 3 execute-only
 4 subdirectory
 5 archive
 7 shareable file

SeeAlso: #02334

-----N-21F223SF11-----

INT 21 - Novell NetWare v2+ - AFP 2.0 SCAN FILE INFORMATION

AX = F223h subfn 11h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02336)

ES:DI -> reply buffer (see #02337)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=0Dh,AX=F223h/SF=10h

Format of NetWare "AFP 2.0 Scan File Information" request packet:

Offset Size Description (Table 02336)

00h WORD (big-endian) length of following data
 02h BYTE 11h (subfunction "AFP 2.0 Scan File Information")
 03h BYTE volume number

04h DWORD AFP entry ID
 08h DWORD AFP last-seen ID (from previous call)
 FFFFFFFFh on first call
 0Ch WORD number of entries to return (max. 4)
 0Eh WORD search bitmap (see #02322)
 10h WORD request bitmap (see #02310)
 12h BYTE path length
 13h N BYTES AFS-style directory path (relative to AFP entry ID)
 SeeAlso: #02337

Format of NetWare "AFP 2.0 Scan File Information" reply packet:

Offset Size Description (Table 02337)
 00h WORD number of entries returned
 02h 120N BYTES file information records (see #02338)
 SeeAlso: #02336

Format of NetWare AFP 2.0 file information:

Offset Size Description (Table 02338)
 00h DWORD AFP entry ID
 04h DWORD parent directory's AFP entry ID
 08h WORD directory/file attributes (see #02312)
 0Ah DWORD length of data fork
 0Eh DWORD length of resource fork
 12h WORD total files and subdirectories contained within entry
 always 0000h if entry is a file
 14h WORD creation date in AFP format
 16h WORD last-access date in AFP format
 18h WORD last-modified date in AFP format
 1Ah WORD last-modified time in AFP format
 1Ch WORD last-backup date in AFP format
 1Eh WORD last-backup time in AFP format
 20h 32 BYTES Finder information
 40h 32 BYTES long filename
 60h DWORD NetWare object ID of owner
 64h 12 BYTES short filename (MS-DOS 8.3 format)
 70h WORD access privileges (see #02313)
 72h 6 BYTES ProDOS information

SeeAlso: #02337,#02310,#02311

-----N-21F223SF12-----

INT 21 - Novell NetWare v2+ - AFP GET DOS FILENAME FROM ENTRY ID
 AX = F223h subfn 12h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02339)

ES:DI -> reply buffer (see #02340)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=04h,AX=F223h/SF=06h

Format of NetWare "AFP Get DOS Name from Entry ID" request packet:

Offset Size Description (Table 02339)

00h WORD (big-endian) length of following data

02h BYTE 12h (subfunction "AFP Get DOS Name From Entry ID")

03h BYTE volume number

04h DWORD AFP entry ID

SeeAlso: #02340

Format of NetWare "AFP Get DOS Name from Entry ID" reply packet:

Offset Size Description (Table 02340)

00h BYTE length of DOS pathname

01h N BYTES pathname corresponding to AFP entry ID

SeeAlso: #02339

-----N-21F223SF13-----

INT 21 - Novell NetWare v2+ - AFP GET MACINTOSH INFORMATION ON DELETED FILE

AX = F223h subfn 13h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02341)

ES:DI -> reply buffer (see #02342)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F223h/SF=04h,AX=F223h/SF=05h,AX=F223h/SF=09h

Format of NetWare "AFP Get Macintosh Info on Deleted File" request packet:

Offset Size Description (Table 02341)

00h WORD (big-endian) length of following data

02h BYTE 13h (subfunction "AFP Get Macintosh Info on Deleted File")

03h BYTE volume number

04h DWORD server's DOS directory entry index

SeeAlso: #02342

Format of NetWare "AFP Get Macintosh Info on Deleted File" reply packet:

Offset Size Description (Table 02342)

00h 32 BYTES Finder information

20h 6 BYTEs ProDOS information
26h DWORD size of resource fork
2Ah BYTE length of filename
2Bh N BYTEs filename

SeeAlso: #02341

-----N-21F23D-----

INT 21 - Novell NetWare - COMMIT FILE

AX = F23Dh
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02347)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=3Eh,AH=F2h"Novell",AX=F23Eh,AX=F243h

-----N-21F23E-----

INT 21 - Novell NetWare - FILE SEARCH INITIALIZE (FindFirst)

AX = F23Eh
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02343)
ES:DI -> reply buffer (see #02344)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=4Eh,AH=F2h"Novell",AX=F23Fh,AX=F242h

Format of NetWare "File Search Initialize" request packet:

Offset Size Description (Table 02343)

00h BYTE directory handle
01h BYTE length of directory path
02h N BYTEs path of directory to search, in VOLUME:DIRECTORY/... format

SeeAlso: #02344,#02345

Format of NetWare "File Search Initialize" reply packet:

Offset Size Description (Table 02344)

00h BYTE volume number
01h WORD directory ID
03h WORD search sequence number
05h BYTE directory access rights

SeeAlso: #02343,#02346

-----N-21F23F-----

INT 21 - Novell NetWare - FILE SEARCH CONTINUE (FindNext)

AX = F23Fh

CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02345)
ES:DI -> reply buffer (see #02346)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=4Eh,AH=F2h"Novell",AX=F23Eh,AX=F242h

Format of NetWare "File Search Continue" request packet:

Offset	Size	Description (Table 02345)
00h	BYTE	volume number
02h	WORD	directory ID from File Search Initialize
04h	WORD	search sequence (set to FFFFh before first call)
06h	BYTE	search attributes
07h	BYTE	length of search directory path
08h	N BYTES	name of search directory in VOLUME:DIRECTORY/.../DIR format

SeeAlso: #02346

Format of NetWare "File Search Continue" reply packet:

Offset	Size	Description (Table 02346)
00h	WORD	next search sequence
02h	WORD	directory ID from File Search Initialize
04h	WORD	reserved for future use
06h	14 BYTES	filename
14h	BYTE	file attributes
15h	BYTE	file mode
16h	DWORD	file length
2Ah	WORD	creation date
2Ch	WORD	last-access date
2Eh	WORD	last-modification date
30h	WORD	last-modification time

SeeAlso: #02345

-----N-21F242-----

INT 21 - Novell NetWare - CLOSE FILE

AX = F242h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02347)
ES:DI ignored
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=3Eh,AH=F2h"Novell",AX=F23Eh,AX=F243h,AX=F24Ah

Format of NetWare "Commit/Close File" request packet:

Offset Size Description (Table 02347)

00h BYTE reserved (0)
01h 6 BYTES NetWare file handle

-----N-21F243-----

INT 21 - Novell NetWare - CREATE FILE

AX = F243h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02348)
ES:DI -> reply buffer (see #02349)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=3Ch,AH=F2h"Novell",AX=F23Eh,AX=F242h,AX=F24Ah,AX=F24Dh

Format of NetWare "Create File" request packet:

Offset Size Description (Table 02348)

00h BYTE directory handle
01h BYTE file attributes
02h BYTE length of filename
03h N BYTES filename in DOS format

SeeAlso: #02349

Format of NetWare "Create File" reply packet:

Offset Size Description (Table 02349)

00h 6 BYTES NetWare file handle
06h WORD reserved
08h 14 BYTES DOS-format filename
16h BYTE file attributes
17h BYTE file execute type
18h DWORD file length
1Ch WORD creation date
1Eh WORD last-access date
20h WORD last-modification date
22h WORD last-modification time

SeeAlso: #02348

-----N-21F244-----

INT 21 - Novell NetWare - FILE SERVICES - ERASE FILE

AX = F244h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02351)

ES:DI ignored

Return: AL = status (see #02350)

Note: this function only marks the file for deletion; use AH=E2h/SF=CEh to
actually delete all marked files

SeeAlso: AH=13h,AH=41h,AH=E2h/SF=0Bh,AH=E3h/SF=CEh

(Table 02350)

Values for NetWare function status:

00h successful

98h nonexistent volume

9Bh invalid directory handle

9Ch invalid path

FFh no files found

SeeAlso: #02094,#02860 at INT 2F/AX=7A20h/BX=0000h

Format of NetWare "Erase Files" request packet:

Offset Size Description (Table 02351)

00h BYTE directory handle

01h BYTE search attributes (see #01420 at AX=4301h)

02h BYTE length of filespec

03h N BYTES ASCII filespec (may include wildcards)

-----N-21F247-----

INT 21 - Novell NetWare - GET CURRENT FILE SIZE

AX = F247h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02352)

ES:DI -> reply buffer (see #02353)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=42h,AH=F2h"Novell",AX=F23Eh,AX=F242h,AX=F24Ah,AX=F24Dh

Format of NetWare "Get Current Size of File" request packet:

Offset Size Description (Table 02352)

00h BYTE reserved for future use

01h 6 BYTES NetWare file handle

SeeAlso: #02353

Format of NetWare "Get Current Size of File" reply packet:

Offset Size Description (Table 02353)

00h DWORD current size of file

SeeAlso: #02352

-----N-21F24A-----

INT 21 - Novell NetWare - COPY FROM ONE FILE TO ANOTHER

AX = F24Ah

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02354)

ES:DI -> reply buffer (see #02355)

Return: AX = status (see #02350)

Note: this function only marks the file for deletion; use AH=E2h/SF=CEh to
actually delete all marked files

SeeAlso: AH=F2h"Novell",AX=F243h,AX=F247h,AH=F3h"NetWare"

Format of NetWare "Copy from One File to Another" request packet:

Offset Size Description (Table 02354)

00h BYTE reserved for future use

01h 6 BYTES source NetWare file handle

07h 6 BYTES destination NetWare file handle

0Dh DWORD source file offset

11h DWORD destination file offset

15h DWORD number of bytes to copy

SeeAlso: #02355

Format of NetWare "Copy from One File to Another" reply packet:

Offset Size Description (Table 02355)

00h DWORD number of bytes actually copied

SeeAlso: #02354

-----N-21F24D-----

INT 21 - Novell NetWare - CREATE NEW FILE

AX = F24Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02356)

ES:DI -> reply buffer (see #02357)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AX=6C00h,AH=F2h"Novell",AX=F23Eh,AX=F242h,AX=F243h

Format of NetWare "Create New File" request packet:

Offset Size Description (Table 02356)

00h BYTE directory handle

01h BYTE file attributes

02h BYTE length of filename

03h N BYTEs filename in DOS format

SeeAlso: #02357

Format of NetWare "Create New File" reply packet:

Offset Size Description (Table 02357)

00h 6 BYTEs NetWare file handle

06h WORD reserved

08h 14 BYTEs DOS-format filename

16h BYTE file attributes

17h BYTE file execute type

18h DWORD file length

1Ch WORD creation date

1Eh WORD last-access date

20h WORD last-modification date

22h WORD last-modification time

SeeAlso: #02356

-----N-21F24E-----

INT 21 - Novell NetWare v2+ - ALLOW TASK ACCESS TO FILE

AX = F24Eh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02358)

ES:DI -> reply buffer (see #02359)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Desc: allow calling task to gain access to an already-open file belonging
to another task of the same client

Note: the caller receives the same access rights as the owning task, and
must use the returned new handle to access the file

SeeAlso: AH=F2h"NetWare",AX=F244h

Format of NetWare "Allow Task Access to File" request packet:

Offset Size Description (Table 02358)

00h BYTE reserved for future use

01h 6 BYTEs NetWare file handle

SeeAlso: #02359

Format of NetWare "Allow Task Access to File" reply packet:

Offset Size Description (Table 02359)

00h 6 BYTEs new file handle

SeeAlso: #02358

-----N-21F256SF01-----

INT 21 - Novell NetWare - CLOSE EXTENDED ATTRIBUTE HANDLE

AX = F256h subfn 01h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02360)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F256h/SF=02h,AX=F256h/SF=04h,AX=F256h/SF=05h

Format of NetWare "Close Extended Attribute Handle" request packet:

Offset Size Description (Table 02360)

00h BYTE 01h (subfunction "Close Extended Attribute Handle")

01h WORD reserved for future use

03h DWORD extended attribute handle

-----N-21F256SF02-----

INT 21 - Novell NetWare - WRITE EXTENDED ATTRIBUTE

AX = F256h subfn 02h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02361)

ES:DI -> reply buffer (see #02362)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F256h/SF=01h,AX=F256h/SF=03h,AX=F256h/SF=05h

Format of NetWare "Write Extended Attribute" request packet:

Offset Size Description (Table 02361)

00h BYTE 02h (subfunction "Write Extended Attribute")

01h WORD flags (see #02372)

03h 8 BYTES extended attribute handle structure (see #02373)

0Bh DWORD write size

0Fh DWORD write position

13h DWORD access flag

17h WORD length of value

19h WORD key length

1Bh N BYTES key

N BYTES value

SeeAlso: #02361,#02363

Format of NetWare "Write Extended Attribute" reply packet:

Offset Size Description (Table 02362)

00h DWORD error code
 04h DWORD number of bytes written
 08h DWORD new extended attribute handle

SeeAlso: #02361

-----N-21F256SF03-----

INT 21 - Novell NetWare - READ EXTENDED ATTRIBUTE

AX = F256h subfn 03h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02363)
 ES:DI -> reply buffer (see #02364)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F256h/SF=01h,AX=F256h/SF=04h,AX=F256h/SF=05h

Format of NetWare "Read Extended Attribute" request packet:

Offset Size Description (Table 02363)

00h BYTE 03h (subfunction "Read Extended Attribute")
 01h WORD flags (see #02372)
 03h 8 BYTES extended attribute handle structure (see #02373)
 0Bh DWORD read position
 0Fh DWORD inspect size
 13h WORD key length
 15h N BYTES key

SeeAlso: #02364,#02361

Format of NetWare "Read Extended Attribute" reply packet:

Offset Size Description (Table 02364)

00h DWORD error code
 04h DWORD total extended attribute value length
 08h DWORD new extended attribute handle
 0Ch DWORD access flag
 10h WORD value length
 12h N BYTES EA value

SeeAlso: #02363

-----N-21F256SF04-----

INT 21 - Novell NetWare - ENUMERATE EXTENDED ATTRIBUTES

AX = F256h subfn 04h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02365)
 ES:DI -> reply buffer (see #02366)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F256h/SF=01h,AX=F256h/SF=02h,AX=F256h/SF=05h

Format of NetWare "Enumerate Extended Attributes" request packet:

Offset Size Description (Table 02365)

00h BYTE 04h (subfunction "Enumerate Extended Attributes")
01h WORD flags (see #02372)
03h 8 BYTES extended attribute handle structure (see #02373)
0Bh DWORD inspect size
0Fh WORD enumeration sequence
11h WORD key length
13h N BYTES key

SeeAlso: #02366

Format of NetWare "Enumerate Extended Attributes" reply packet:

Offset Size Description (Table 02366)

00h DWORD error code
04h DWORD total extended attributes
08h DWORD total extended attribute data size
0Ch DWORD total extended attribute key size
10h DWORD new extended attribute handle

---information level 0---

14h 2 WORDs reserved

---information level 1---

14h WORD number of enumerated extended attribute structures
16h var EA structure level 1

---information level 6---

14h WORD reserved
16h var EA structure level 6

---information level 7---

14h WORD number of enumerated extended attribute structures
16h var EA structure level 7

SeeAlso: #02365

Format of NetWare Extended Attribute structure level 1:

Offset Size Description (Table 02367)

00h DWORD length of EA value
04h WORD length of EA key
06h DWORD access flag
0Ah N BYTES key

SeeAlso: #02366,#02368,#02369

Format of NetWare Extended Attribute structure level 6:

Offset Size Description (Table 02368)

00h DWORD length of EA value
 04h WORD length of EA key
 06h DWORD access flag
 0Ah DWORD key extents
 0Eh DWORD value extents
 12h N BYTES key

SeeAlso: #02366,#02367,#02369

Format of NetWare Extended Attribute structure level 7:

Offset Size Description (Table 02369)

00h BYTE key length
 01h N BYTES key
 BYTE 00h

SeeAlso: #02366,#02367,#02368

-----N-21F256SF05-----

INT 21 - Novell NetWare - DUPLICATE EXTENDED ATTRIBUTES

AX = F256h subfn 05h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02370)
 ES:DI -> reply buffer (see #02371)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F256h/SF=01h,AX=F256h/SF=02h,AX=F256h/SF=04h

Format of NetWare "Duplicate Extended Attributes" request packet:

Offset Size Description (Table 02370)

00h BYTE 05h (subfunction "Duplicate Extended Attributes")
 01h WORD source flags (see #02372)
 03h WORD destination flags (see #02372)
 05h 8 BYTES source extended attribute structure (see #02373)
 0Dh 8 BYTES destination extended attribute structure (see #02373)

SeeAlso: #02371

Format of NetWare "Duplicate Extended Attributes" reply packet:

Offset Size Description (Table 02371)

00h DWORD number duplicated
 04h DWORD data size duplicated
 08h DWORD key size duplicated

SeeAlso: #02370

Bitfields for NetWare extended attribute flags:

Bit(s) Description (Table 02372)

1-0 extended attribute handle structure type
 00 volume number and directory entry number
 01 NetWare file handle
 10 extended attribute handle
 11 not used
 2 close handle on error
 6-4 information level (0,1,6,7)
 7 not used

SeeAlso: #02370,#02373

Format of NetWare extended attribute structure:

Offset Size Description (Table 02373)

---type 0---

00h DWORD volume number
 04h DWORD directory entry number

---type 1---

00h DWORD NetWare file handle
 04h 4 BYTES unused

---type 2---

00h DWORD extended attribute handle
 04h 4 BYTES unused

SeeAlso: #02372

-----N-21F257SF01-----

INT 21 - Novell NetWare - OPEN/CREATE FILE OR SUBDIRECTORY

AX = F257h subfn 01h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02374)
 ES:DI -> reply buffer (see #02375)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=6C00h,AX=F257h/SF=02h,AX=F257h/SF=04h

Format of NetWare "Open/Create File or Subdirectory" request packet:

Offset Size Description (Table 02374)

00h BYTE 01h (subfunction "Open/Create File or Subdirectory")
 01h BYTE name space (see #02387)
 02h BYTE open/create mode

03h WORD search attributes
05h DWORD return information mask
09h DWORD create attributes
0Dh WORD desired access rights (see #02377)
0Fh NetWare handle/path structure

SeeAlso: #02375

Format of NetWare "Open/Create File or Subdirectory" reply packet:

Offset Size Description (Table 02375)

00h DWORD file handle
04h BYTE open/create action
 00h open
 01h replace
 03h create
05h BYTE reserved

SeeAlso: #02374

Format of NetWare Handle/Path structure:

Offset Size Description (Table 02376)

00h BYTE volume number
01h DWORD directory base or short handle
05h BYTE handle flag
 00h short directory handle
 01h directory base
 FFh no handle
06h BYTE path component count
07h N BYTES path component

Bitfields for NetWare desired access rights:

Bit(s) Description (Table 02377)

0 read-only mode
1 write-only
2 deny read
3 deny write
4 compatibility mode
6 write-through mode

SeeAlso: #02374

-----N-21F257SF02-----

INT 21 - Novell NetWare - INITIALIZE SEARCH

AX = F257h subfn 02h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02378)
 ES:DI -> reply buffer (see #02379)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=4Eh,AH=F2h"Novell",AX=F257h/SF=01h,AX=F257h/SF=03h

Format of NetWare "Initialize Search" request packet:

Offset	Size	Description (Table 02378)
00h	BYTE	02h (subfunction "Initialize Search")
01h	BYTE	name space (see #02387)
02h	BYTE	reserved for future use
03h		NetWare Handle/Path structure (see #02376)

SeeAlso: #02379

Format of NetWare "Initialize Search" reply packet:

Offset	Size	Description (Table 02379)
00h	9 BYTES	search sequence
	BYTE	volume number
	DWORD	directory number
	DWORD	current directory number

SeeAlso: #02378

-----N-21F257SF03-----

INT 21 - Novell NetWare - SCAN NAMESPACE ENTRY INFO

AX = F257h subfn 03h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02380)
 ES:DI -> reply buffer (see #02381)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F257h/SF=04h,AX=F257h/SF=05h

Format of NetWare "Search for File or Subdirectory" request packet:

Offset	Size	Description (Table 02380)
00h	BYTE	03h (subfunction "Search for File or Subdirectory")
		???

SeeAlso: #02381

Format of NetWare "Search for File or Subdirectory" reply packet:

Offset	Size	Description (Table 02381)
00h		???

SeeAlso: #02380

-----N-21F257SF04-----

INT 21 - Novell NetWare - RENAME OR MOVE FILE OR SUBDIRECTORY

AX = F257h subfn 04h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02382)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=56h,AH=F2h"Novell",AX=F257h/SF=02h,AX=F257h/SF=03h,AX=F257h/SF=05h

Format of NetWare "Rename or Move File or Subdirectory" request packet:

Offset Size Description (Table 02382)

00h BYTE 04h (subfunction "Rename or Move File or Subdirectory")

01h BYTE name space (see #02387)

02h BYTE rename flags

bit 0: rename successful

bit 1: compatibility mode

03h WORD search attributes

05h source NetWare Handle Path

destination NetWare Handle Path

-----N-21F257SF05-----

INT 21 - Novell NetWare - SCAN FILE OR SUBDIRECTORY FOR TRUSTEES

AX = F257h subfn 05h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02383)

ES:DI -> reply buffer (see #02384)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=04h,AX=F257h/SF=06h

Format of NetWare "Scan File or Subdirectory for Trustees" request packet:

Offset Size Description (Table 02383)

00h BYTE 05h (subfunction "Scan File or Subdirectory for Trustees")

01h BYTE name space (see #02387)

02h BYTE reserved for future use

03h DWORD scan sequence (set to 00000000h before first call)

07h NetWare Handle/Path structure (see #02376)

SeeAlso: #02384

Format of NetWare "Scan File or Subdirectory for Trustees" reply packet:

Offset Size Description (Table 02384)

00h DWORD next scan sequence or FFFFFFFFh if no more
 04h WORD number of trustee object IDs returned
 06h trustee structure

SeeAlso: #02383

-----N-21F257SF06-----

INT 21 - Novell NetWare v3+ - GET INFORMATION ABOUT FILE OR DIRECTORY

AX = F257h subfn 06h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02385)
 ES:DI -> reply buffer (see #02388)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled

SeeAlso: AH=F2h"Novell",AX=F257h/SF=02h,AX=F257h/SF=05h,AX=F257h/SF=07h

Format of NetWare "Get NS Entry Info" request buffer:

Offset Size Description (Table 02385)

00h BYTE 06h (subfunction "Get NS Entry Info")
 01h BYTE name space (see #02387)
 02h BYTE destination name space
 03h WORD search attributes
 05h DWORD return information mask (see #02386)
 09h BYTE volume number
 0Ah DWORD directory base
 0Eh BYTE handle flag
 00h first byte of dir base is dir handle; ignore volume number
 01h dir base = unique ID, volume number set
 FFh volume number and dir base ignored, volume part of path
 0Fh BYTE number of path components
 10h N BYTES list of path components (each a counted string)

SeeAlso: #02388

Bitfields for return information mask:

Bit(s) Description (Table 02386)

0 include filename
 1 data stream space allocated info
 2 attributes info
 3 data stream size info
 4 total space allocated for all data streams
 5 extended attributes info
 6 archive info

7 modify info
8 create info
9 name space info
10 directory info
11 rights info

(Table 02387)

Values for NetWare name space:

00h DOS
01h Macintosh
02h NFS
03h FTAM
04h OS/2

SeeAlso: #02385, #02393

Format of NetWare "Get NS Entry Info" reply buffer:

Offset Size Description (Table 02388)

00h 72 BYTES reserved
48h DWORD creator's name space number
4Ch 257 BYTES reserved

SeeAlso: #02385

-----N-21F257SF07-----

INT 21 - Novell NetWare - MODIFY FILE OR SUBDIRECTORY DOS INFORMATION

AX = F257h subfn 07h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02389)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell", AX=F257h/SF=04h, AX=F257h/SF=08h

Format of NetWare "Modify File or Subdirectory DOS Information" request packet:

Offset Size Description (Table 02389)

00h BYTE 07h (subfunction "Modify File or Subdirectory DOS Information")
01h BYTE name space (see #02387)
02h BYTE reserved for future use
03h WORD search attributes
05h DWORD modify DOS mask
09h Modify DOS information structure

-----N-21F257SF08-----

INT 21 - Novell NetWare - DELETE FILE/DIRECTORY

AX = F257h subfn 08h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02390)
 ES:DI -> reply buffer (see #02391)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F257h/SF=01h,AX=F257h/SF=07h

Format of NetWare "Delete File/Directory" request packet:

Offset	Size	Description (Table 02390)
00h	BYTE	08h (subfunction "Delete File/Directory")
???		???

SeeAlso: #02391

Format of NetWare "Delete File/Directory" reply packet:

Offset	Size	Description (Table 02391)
00h	???	

SeeAlso: #02390

-----N-21F257SF09-----

INT 21 - Novell NetWare - SET SHORT DIRECTORY HANDLE

AX = F257h subfn 09h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02392)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=0Ch

Format of NetWare "Set Short Directory Handle" request packet:

Offset	Size	Description (Table 02392)
00h	BYTE	09h (subfunction "Set Short Directory Handle")
01h	BYTE	name space (see #02387)
02h	BYTE	data stream
03h	BYTE	destination directory handle
04h	BYTE	reserved for future use
05h		NetWare Handle/Path structure (see #02376)

-----N-21F257SF0A-----

INT 21 - Novell NetWare v3+ - ADD TRUSTEE SET TO FILE OR SUBDIRECTORY

AX = F257h subfn 0Ah
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)

DS:SI -> request packet (see #02393)
ES:DI ignored
Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled
SeeAlso: AX=F257h/SF=0Bh

Format of NetWare "Add Trustee Set" request packet:

Offset	Size	Description (Table 02393)
00h	BYTE	0Ah (subfunction "Add Trustee Set to File or Subdirectory")
01h	BYTE	name space (see #02387)
02h	2 BYTES	reserved
04h	WORD	trustee rights (see #02141)
06h	WORD	object ID count
08h		NetWare Handle/Path structure (see #02376)
	6 BYTES	trustee structure (see #02394)

Format of NetWare trustee structure:

Offset	Size	Description (Table 02394)
00h	DWORD	object ID
04h	WORD	trustee rights

SeeAlso: #02393

-----N-21F257SF0B-----

INT 21 - Novell NetWare - DELETE TRUSTEE
AX = F257h subfn 0Bh
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02395)
ES:DI -> reply buffer (see #02396)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F257h/SF=0Ah

Format of NetWare "Delete Trustee" request packet:

Offset	Size	Description (Table 02395)
00h	BYTE	0Bh (subfunction "Delete Trustee")
		???

SeeAlso: #02396

Format of NetWare "Delete Trustee" reply packet:

Offset	Size	Description (Table 02396)
00h	???	

SeeAlso: #02395

-----N-21F257SF0C-----

INT 21 - Novell NetWare v2+ - ALLOCATE SHORT DIRECTORY HANDLE

AX = F257h subfn 0Ch

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02397)

ES:DI -> reply buffer (see #02398)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Note: unlike "Alloc Permanent Directory Handle", this function does not
automatically map a drive

SeeAlso: AH=F2h"Novell",AX=F223h/SF=04h,AX=F223h/SF=05h,AX=F223h/SF=09h

Format of NetWare "Allocate Short Directory Handle" request packet:

Offset Size Description (Table 02397)

00h BYTE 0Ch (subfunction "Allocate Short Directory Handle")

01h BYTE name space (see #02387)

02h 2 BYTEs reserved for future use

04h WORD allocation mode

bits 1-0: 00 permanent handle

01 temporary handle

10 special temporary handle

11 reserved

06h NetWare Handle/Path structure (see #02376)

SeeAlso: #02398

Format of NetWare "Allocate Short Directory Handle" reply packet:

Offset Size Description (Table 02398)

00h BYTE new directory handle

01h BYTE volume number

02h DWORD reserved for future use

SeeAlso: #02397

-----N-21F257SF10-----

INT 21 - Novell NetWare - SCAN SALVAGEABLE FILES

AX = F257h subfn 10h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02399)

ES:DI -> reply buffer (see #02400)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Bh,AX=F257h/SF=11h,AX=F257h/SF=12h

Format of NetWare "Scan Salvageable Files" request packet:

Offset	Size	Description (Table 02399)
00h	BYTE	10h (subfunction "Scan Salvageable Files")
01h	BYTE	name space
02h	BYTE	data stream
03h	DWORD	return information mask
07h	DWORD	last sequence (set to FFFFFFFFh before first call)
0Bh		NetWare Handle/Path structure (see #02376)

SeeAlso: #02400,#02123

Format of NetWare "Scan Salvageable Files" reply packet:

Offset	Size	Description (Table 02400)
00h	DWORD	next sequence number
04h	WORD	deletion time
06h	WORD	deletion date
08h	DWORD	ID of deleter
0Ch	DWORD	volume number
10h	DWORD	directory entry number
14h		NetWare Information Structure

SeeAlso: #02399,#02124

-----N-21F257SF11-----

INT 21 - Novell NetWare - RECOVER SALVAGEABLE FILE

AX = F257h subfn 11h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02401)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Ch,AX=F257h/SF=10h,AX=F257h/SF=12h

Format of NetWare "Recover Salvageable File" request packet:

Offset	Size	Description (Table 02401)
00h	BYTE	11h (subfunction "Recover Salvageable File")
01h	BYTE	name space
02h	BYTE	reserved for future use
03h	DWORD	sequence number
07h	DWORD	volume number
0Bh	DWORD	scan directory base
0Fh	BYTE	new file name length
10h	N BYTES	new file name

SeeAlso: #02402,#02125

-----N-21F257SF12-----

INT 21 - Novell NetWare - PURGE SALVAGEABLE FILE

AX = F257h subfn 12h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02402)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F216h/SF=1Dh,AX=F257h/SF=10h,AX=F257h/SF=11h

Format of NetWare "Purge Salvageable File" request packet:

Offset Size Description (Table 02402)

00h BYTE 12h (subfunction "Purge Salvageable File")

01h BYTE name space

02h BYTE reserved

03h DWORD sequence number

07h DWORD volume number

0Bh DWORD directory entry number

SeeAlso: #02401

-----N-21F257SF13-----

INT 21 - Novell NetWare - GET NAMESPACE INFORMATION

AX = F257h subfn 13h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02403)

ES:DI -> reply buffer (see #02404)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=12h,AX=F257h/SF=15h

Format of NetWare "Get Namespace Information" request packet:

Offset Size Description (Table 02403)

00h BYTE 13h (subfunction "Get Namespace Information")

01h BYTE source name space (see #02387)

02h BYTE destination name space

03h BYTE reserved for future use

04h BYTE volume number

05h DWORD directory base

09h DWORD namespace information mask

SeeAlso: #02404

Format of NetWare "Get Namespace Information" reply packet:

Offset Size Description (Table 02404)
00h var namespace-specific information

SeeAlso: #02403

-----N-21F257SF15-----

INT 21 - Novell NetWare - GET PATH STRING FROM SHORT DIRECTORY HANDLE

AX = F257h subfn 15h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02405)

ES:DI -> reply buffer (see #02406)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=13h,AX=F257h/SF=16h

Format of NetWare "Get Path String from Short Directory Handle" request packet:

Offset Size Description (Table 02405)

00h BYTE 15h (subfunction "Get Path String from Short Directory Handle")

01h BYTE name space (see #02387)

02h BYTE short directory handle

SeeAlso: #02406

Format of NetWare "Get Path String from Short Directory Handle" reply packet:

Offset Size Description (Table 02406)

00h BYTE length of path

01h N BYTES full directory path

SeeAlso: #02405

-----N-21F257SF16-----

INT 21 - Novell NetWare - GENERATE DIRECTORY BASE AND VOLUME NUMBER

AX = F257h subfn 16h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02407)

ES:DI -> reply buffer (see #02408)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=15h,AX=F257h/SF=17h

Format of NetWare "Generate Directory Base and Volume Number" request packet:

Offset Size Description (Table 02407)

00h BYTE 16h (subfunction "Generate Directory Base and Volume Number")

01h BYTE name space (#02802)

02h 3 BYTES reserved for future use

05h NetWare Handle/Path structure (see #02376)

SeeAlso: #02408

Format of NetWare "Generate Directory Base and Volume Number" reply packet:

Offset	Size	Description (Table 02408)
00h	DWORD	namespace directory base
04h	DWORD	DOS directory base
08h	BYTE	volume number

SeeAlso: #02407

-----N-21F257SF17-----

INT 21 - Novell NetWare - GET NAME SPACE INFORMATION FORMAT

AX = F257h subfn 17h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02409)
ES:DI -> reply buffer (see #02410)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=18h,AX=F257h/SF=19h

Format of NetWare "Get Name Space Information Format" request packet:

Offset	Size	Description (Table 02409)
00h	BYTE	17h (subfunction "Get Name Space Information Format")
01h	BYTE	name space (see #02387)
02h	BYTE	volume number

SeeAlso: #02410

Format of NetWare "Get Name Space Information Format" reply packet:

Offset	Size	Description (Table 02410)
00h	DWORD	fixed bitmask
04h	DWORD	variable bitmask
08h	DWORD	huge bitmask
0Ch	WORD	fixed bits defined
0Eh	WORD	variable bits defined
10h	WORD	huge bits defined
12h	128 BYTES	field lengths

SeeAlso: #02409

-----N-21F257SF18-----

INT 21 - Novell NetWare - GET NAME SPACES LOADED

AX = F257h subfn 18h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02411)

ES:DI -> reply buffer (see #02412)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=17h,AX=F257h/SF=19h,AX=F257h/SF=1Ah

SeeAlso: AX=F216h/SF=2Fh

Format of NetWare "Get Name Spaces Loaded" request packet:

Offset Size Description (Table 02411)

00h BYTE 18h (subfunction "Get Name Spaces Loaded")

01h 2 BYTES reserved for future use

03h BYTE volume number

SeeAlso: #02412

Format of NetWare "Get Name Spaces Loaded" reply packet:

Offset Size Description (Table 02412)

00h WORD number of namespace elements

02h WORD number of namespace elements loaded

04h N BYTES loaded name spaces (each byte contains number of one loaded name space)

SeeAlso: #02411

-----N-21F257SF19-----

INT 21 - Novell NetWare - WRITE NAME SPACE INFO

AX = F257h subfn 19h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02413)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=17h,AX=F257h/SF=18h

Format of NetWare "Write Name Space Info" request packet:

Offset Size Description (Table 02413)

00h BYTE 19h (subfunction "Write Name Space Info")

01h BYTE source name space (see #02387)

02h BYTE destination name space

03h BYTE volume number

04h DWORD directory entry number

08h DWORD namespace information bitmask

0Ch 512 BYTES namespace-specific informatin

-----N-21F257SF1A-----

INT 21 - Novell NetWare - READ EXTENDED NAME SPACE INFO

AX = F257h subfn 1Ah

CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02414)
 ES:DI -> reply buffer (see #02415)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F257h/SF=18h,AX=F257h/SF=19h,AX=F257h/SF=1Bh

Format of NetWare "Read Extended Name Space Info" request packet:

Offset	Size	Description (Table 02414)
00h	BYTE	1Ah (subfunction "Read Extended Name Space Info")
01h	BYTE	name space (see #02387)
02h	BYTE	volume number
03h	DWORD	directory base
07h	DWORD	huge mask
0Bh	16 BYTES	huge state information

SeeAlso: #02415

Format of NetWare "Read Extended Name Space Info" reply packet:

Offset	Size	Description (Table 02415)
00h	16 BYTES	next huge state information
10h	DWORD	huge data length
14h	N BYTES	huge data

SeeAlso: #02414

-----N-21F257SF1B-----

INT 21 - Novell NetWare - WRITE EXTENDED NAME SPACE INFO

AX = F257h subfn 1Bh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02416)
 ES:DI -> reply buffer (see #02417)
 Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 SeeAlso: AH=F2h"Novell",AX=F257h/SF=17h,AX=F257h/SF=18h,AX=F257h/SF=1Ah

Format of NetWare "Write Extended Name Space Info" request packet:

Offset	Size	Description (Table 02416)
00h	BYTE	1Bh (subfunction "Write Extended Name Space Info")
01h	BYTE	name space (see #02387)
02h	BYTE	volume number
03h	DWORD	directory entry number
07h	DWORD	huge mask
0Bh	16 BYTES	huge state information

1Bh DWORD huge data length

1Fh N BYTES huge data

SeeAlso: #02417

Format of NetWare "Write Extended Name Space Info" request packet:

Offset Size Description (Table 02417)

00h 16 BYTES next huge state information

10h DWORD huge data used

SeeAlso: #02416

-----N-21F257SF1C-----

INT 21 - Novell NetWare - GET NS FULL PATH STRING

AX = F257h subfn 1Ch

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02418)

ES:DI -> reply buffer (see #02419)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Note: this call returns the path in reverse order (root directory last)

SeeAlso: AH=F2h"Novell",AX=F257h/SF=03h,AX=F257h/SF=15h

Format of NetWare "Get NS Full Path String" request packet:

Offset Size Description (Table 02418)

00h BYTE 1Ch (subfunction "Get NS Full Path String")

01h BYTE source name space

02h BYTE destination name space

03h 10 BYTES path cookie (see #02420)

04h NetWare Handle/Path structure (see #02376)

SeeAlso: #02419

Format of NetWare "Get NS Full Path String" reply packet:

Offset Size Description (Table 02419)

00h 10 BYTES next path cookie (see #02420)

0Ah WORD size of path component(s) in packet

0Ch WORD number of path components in packet

0Eh path components

SeeAlso: #02418

Format of NetWare path cookie:

Offset Size Description (Table 02420)

00h WORD flags

bit 0: last component is a filename

02h DWORD cookie1

06h DWORD cookie2

Note: "cookie1" and "cookie2" are to be set to FFFFFFFFh initially; if "cookie2" is FFFFFFFFh on return, all path components have been transferred

SeeAlso: #02418,#02419

-----N-21F257SF1D-----

INT 21 - Novell NetWare - GET EFFECTIVE DIRECTORY RIGHTS

AX = F257h subfn 1Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02421)

ES:DI -> reply buffer (see #02422)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AX=F216h/SF=03h,AX=F257h/SF=06h,AX=F257h/SF=0Ch,AX=F257h/SF=15h

Format of NetWare "Get Effective Directory Rights" request packet:

Offset Size Description (Table 02421)

00h BYTE 1Dh (subfunction "Get Effective Directory Rights")

01h BYTE name space (see #02387)

02h BYTE destination name space (see #02387)

03h WORD search attributes

05h DWORD return information mask

09h NetWare Handle/Path structure (see #02376)

SeeAlso: #02422

Format of NetWare "Get Effective Directory Rights" reply packet:

Offset Size Description (Table 02422)

00h WORD caller's effective rights

02h NetWare Information Structure

SeeAlso: #02421

-----N-21F258SF01-----

INT 21 - Novell NetWare v4+ - GET VOLUME AUDITING STATISTICS

AX = F258h subfn 01h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02423)

ES:DI -> reply buffer (see #02424)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F268h/SF=C8h

Format of NetWare "Get Volume Auditing Statistics" request buffer:

Offset	Size	Description (Table 02423)
00h	BYTE	01h (function "Get Volume Auditing Statistics")
01h	DWORD	volume

SeeAlso: #02424

Format of NetWare "Get Volume Auditing Statistics" reply buffer:

Offset	Size	Description (Table 02424)
00h	WORD	auditing version (date)
02h	WORD	audit file version (date)
04h	DWORD	auditing enabled flag
08h	DWORD	audit file's size
0Ch	DWORD	audit configuration file's size
10h	DWORD	maximum audit file size
14h	DWORD	audit file size threshold
18h	DWORD	number of audit records
1Ch	DWORD	number of history records

SeeAlso: #02423, #02476

-----N-21F258SF02-----

INT 21 - Novell NetWare - ADD AUDIT PROPERTY

AX = F258h subfn 02h
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02425)
 ES:DI -> reply buffer (see #02426)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell", AX=F217h/SF=39h, AX=F258h/SF=06h, AX=F258h/SF=08h

Format of NetWare "Add Audit Property" request packet:

Offset	Size	Description (Table 02425)
00h	BYTE	02h (subfunction "Add Audit Property")
???		

SeeAlso: #02426

Format of NetWare "Add Audit Property" reply packet:

Offset	Size	Description (Table 02426)
00h	???	

SeeAlso: #02425

-----N-21F258SF03-----

INT 21 - Novell NetWare - LOGIN AS VOLUME AUDITOR

AX = F258h subfn 03h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02427)
ES:DI -> reply buffer (see #02428)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F258h/SF=04h,AX=F258h/SF=0Dh

Format of NetWare "Login As Volume Auditor" request packet:

Offset	Size	Description (Table 02427)
00h	BYTE	03h (subfunction "Login As Volume Auditor")
???		???

SeeAlso: #02428

Format of NetWare "Login As Volume Auditor" reply packet:

Offset	Size	Description (Table 02428)
00h	???	

SeeAlso: #02427

-----N-21F258SF04-----

INT 21 - Novell NetWare - CHANGE AUDITOR PASSWORD

AX = F258h subfn 04h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02429)
ES:DI -> reply buffer
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F258h/SF=03h

Format of NetWare "Change Auditor Password" request packet:

Offset	Size	Description (Table 02429)
00h	BYTE	04h (subfunction "Change Auditor Password")
???		???

-----N-21F258SF05-----

INT 21 - Novell NetWare - CHECK AUDIT ACCESS

AX = F258h subfn 05h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02430)
ES:DI -> reply buffer
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F258h/SF=02h,AX=F258h/SF=08h

Format of NetWare "Check Audit Access" request packet:

Offset Size Description (Table 02430)

00h BYTE 05h (subfunction "Check Audit Access")

???

-----N-21F258SF06-----

INT 21 - Novell NetWare - REMOVE AUDIT PROPERTY

AX = F258h subfn 06h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02431)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=02h,AX=F258h/SF=05h

Format of NetWare "Remove Audit Property" request packet:

Offset Size Description (Table 02431)

00h BYTE 06h (subfunction "Remove Audit Property")

???

-----N-21F258SF07-----

INT 21 - Novell NetWare - DISABLE AUDITING ON VOLUME

AX = F258h subfn 07h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02432)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=08h,AX=F258h/SF=09h

Format of NetWare "Disable Auditing on Volume" request packet:

Offset Size Description (Table 02432)

00h BYTE 07h (subfunction "Disable Auditing on Volume")

???

-----N-21F258SF08-----

INT 21 - Novell NetWare - ENABLE AUDITING ON VOLUME

AX = F258h subfn 08h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02433)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=07h,AX=F258h/SF=09h

Format of NetWare "Enable Auditing on Volume" request packet:

Offset Size Description (Table 02433)

00h BYTE 08h (subfunction "Enable Auditing on Volume")

???

-----N-21F258SF09-----

INT 21 - Novell NetWare - IS USER AUDITED?

AX = F258h subfn 09h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02434)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=07h,AX=F258h/SF=08h

Format of NetWare "Is User Audited?" request packet:

Offset Size Description (Table 02434)

00h BYTE 09h (subfunction "Is User Audited?")

???

-----N-21F258SF0A-----

INT 21 - Novell NetWare - READ AUDITING BITMAP

AX = F258h subfn 0Ah

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02435)

ES:DI -> reply buffer (see #02436)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=0Bh,AX=F258h/SF=10h

Format of NetWare "Read Auditing Bitmap" request packet:

Offset Size Description (Table 02435)

00h BYTE 0Ah (subfunction "Read Auditing Bitmap")

???

SeeAlso: #02436,#02437

Format of NetWare "Read Auditing Bitmap" reply packet:

Offset Size Description (Table 02436)

00h ???

SeeAlso: #02435,#02438

-----N-21F258SF0B-----

INT 21 - Novell NetWare - READ AUDIT CONFIG HEADER

AX = F258h subfn 0Bh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02437)

ES:DI -> reply buffer (see #02438)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=0Ah,AX=F258h/SF=11h

Format of NetWare "Read Audit Configuration Header" request packet:

Offset Size Description (Table 02437)

00h BYTE 0Bh (subfunction "Read Audit Configuration Header")

???

SeeAlso: #02438,#02435

Format of NetWare "Read Audit Configuration Header" reply packet:

Offset Size Description (Table 02438)

00h ???

SeeAlso: #02437,#02436

-----N-21F258SF0D-----

INT 21 - Novell NetWare - LOGOUT AS VOLUME AUDITOR

AX = F258h subfn 0Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02439)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=03h

Format of NetWare "Logout as Volume Auditor" request packet:

Offset Size Description (Table 02439)

00h BYTE 0Dh (subfunction "Logout as Volume Auditor")

???

-----N-21F258SF0E-----

INT 21 - Novell NetWare - RESET AUDITING FILE

AX = F258h subfn 0Eh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02440)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=0Ah,AX=F258h/SF=0Fh

Format of NetWare "Reset Auditing File" request packet:

Offset Size Description (Table 02440)

00h BYTE 0Eh (subfunction "Reset Auditing File")

???

-----N-21F258SF0F-----

INT 21 - Novell NetWare - RESET AUDIT HISTORY FILE

AX = F258h subfn 0Fh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02441)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=0Eh

Format of NetWare "Reset Audit History File" request packet:

Offset Size Description (Table 02441)

00h BYTE 0Fh (subfunction "Reset Audit History File")

???

-----N-21F258SF10-----

INT 21 - Novell NetWare - WRITE AUDITING BITMAP

AX = F258h subfn 10h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02442)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=0Ah,AX=F258h/SF=11h

Format of NetWare "Write Auditing Bitmap" request packet:

Offset Size Description (Table 02442)

00h BYTE 10h (subfunction "Write Auditing Bitmap")

???

SeeAlso: #02443

-----N-21F258SF11-----

INT 21 - Novell NetWare - WRITE AUDIT CONFIG HEADER

AX = F258h subfn 11h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02443)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=0Bh,AX=F258h/SF=10h

Format of NetWare "Write Audit Configuration Header" request packet:

Offset Size Description (Table 02443)

00h BYTE 11h (subfunction "Write Audit Configuration Header")

???

SeeAlso: #02442

-----N-21F258SF13-----

INT 21 - Novell NetWare - GET AUDITING FLAGS

AX = F258h subfn 13h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02444)

ES:DI -> reply buffer (see #02445)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=05h

Format of NetWare "Get Auditing Flags" request packet:

Offset Size Description (Table 02444)

00h BYTE 13h (subfunction "Get Auditing Flags")

???

SeeAlso: #02445

Format of NetWare "Get Auditing Flags" reply packet:

Offset Size Description (Table 02445)

00h ???

SeeAlso: #02444

-----N-21F258SF14-----

INT 21 - Novell NetWare - CLOSE OLD AUDITING FILE

AX = F258h subfn 14h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02446)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=15h

Format of NetWare "Close Old Auditing File" request packet:

Offset Size Description (Table 02446)

00h BYTE 14h (subfunction "Close Old Auditing File")
???

SeeAlso: #02447

-----N-21F258SF15-----

INT 21 - Novell NetWare - DELETE OLD AUDITING FILE

AX = F258h subfn 15h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02447)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=14h

Format of NetWare "Delete Old Auditing File" request packet:

Offset Size Description (Table 02447)

00h BYTE 15h (subfunction "Delete Old Auditing File")
???

SeeAlso: #02446

-----N-21F258SF16-----

INT 21 - Novell NetWare - CHECK AUDIT LEVEL TWO ACCESS

AX = F258h subfn 16h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02448)

ES:DI -> reply buffer

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F258h/SF=05h

Format of NetWare "Check Audit Level Two Access" request packet:

Offset Size Description (Table 02448)

00h BYTE 16h (subfunction "Check Audit Level Two Access")
???

-----N-21F25ASF01-----

INT 21 - Novell NetWare - GET DATA MIGRATION INFO

AX = F25Ah subfn 01h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02449)

ES:DI -> reply buffer (see #02450)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=80h,AX=F25Ah/SF=86h

Format of NetWare "Get Data Migration Information" request packet:

Offset Size Description (Table 02449)

00h WORD length of following data

02h BYTE 01h (subfunction "Get Data Migration Information")

SeeAlso: #02450

Format of NetWare "Get Data Migration Information" reply packet:

Offset Size Description (Table 02450)

00h ???

SeeAlso: #02449

-----N-21F25ASF80-----

INT 21 - Novell NetWare - MOVE FILE DATA TO DATA MIGRATION

AX = F25Ah subfn 80h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02451)

ES:DI -> reply buffer (see #02452)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=82h,AX=F25Ah/SF=85h

Format of NetWare "Move File Data to Data Migration" request packet:

Offset Size Description (Table 02451)

00h WORD length of following data

02h BYTE 80h (subfunction "Move File Data to Data Migration")

03h DWORD volume number

07h DWORD directory entry number

0Bh DWORD name space (see #02387)

0Fh DWORD support module ID

13h DWORD save key flag

00000010h to save key when file is demigrated

SeeAlso: #02452

Format of NetWare "Move File Data to Data Migration" reply packet:

Offset Size Description (Table 02452)

00h DWORD volume-unique ID

SeeAlso: #02451

-----N-21F25ASF81-----

INT 21 - Novell NetWare - DATA MIGRATION FILE INFORMATION

AX = F25Ah subfn 81h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02453)
ES:DI -> reply buffer (see #02454)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=80h,AX=F25Ah/SF=82h,AX=F25Ah/SF=83h

Format of NetWare "Data Migration File Information" request packet:

Offset	Size	Description (Table 02453)
00h	WORD	length of following data
02h	BYTE	81h (subfunction "Data Migration File Information")
03h	DWORD	volume number
07h	DWORD	directory entry number
0Bh	DWORD	name space (see #02387)

SeeAlso: #02454

Format of NetWare "Data Migration File Information" reply packet:

Offset	Size	Description (Table 02454)
00h	DWORD	support module ID
04h	DWORD	estimate restoration time
08h	DWORD	bitmask of supported data streams

SeeAlso: #02453

-----N-21F25ASF82-----

INT 21 - Novell NetWare - VOLUME DATA MIGRATION STATUS

AX = F25Ah subfn 82h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02455)
ES:DI -> reply buffer (see #02456)
Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=01h,AX=F25Ah/SF=83h,AX=F25Ah/SF=84h

Format of NetWare "Volume Data Migration Status" request packet:

Offset	Size	Description (Table 02455)
00h	WORD	length of following data
02h	BYTE	82h (subfunction "Volume Data Migration Status")
03h	DWORD	volume number
07h	DWORD	support module ID

SeeAlso: #02456

Format of NetWare "Volume Data Migration Status" request packet:

Offset	Size	Description (Table 02456)
--------	------	---------------------------

00h DWORD number of migrated files
04h DWORD total size required to restore all migrated files
08h DWORD total space used on migration device
0Ch DWORD limbo space (demigrated files with save-key flag set)
10h DWORD total space including limbo space
14h DWORD number of files in limbo

SeeAlso: #02455

-----N-21F25ASF83-----

INT 21 - Novell NetWare - GET MIGRATION OR STATUS INFORMATION

AX = F25Ah subfn 83h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02457)
ES:DI -> reply buffer (see #02458)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=82h,AX=F25Ah/SF=84h,AX=F25Ah/SF=85h

Format of NetWare "Get Migration or Status Information" request packet:

Offset Size Description (Table 02457)

00h WORD length of following data
02h BYTE 83h (subfunction "Get Migration or Status Information")

SeeAlso: #02458

Format of NetWare "Get Migration or Status Information" request packet:

Offset Size Description (Table 02458)

00h DWORD presence flag
FFFFFFFFh if Data Migration NLM is loaded and running
04h DWORD major version
08h DWORD minor version
0Ch DWORD flag: has support module registered with Data Migrator?

SeeAlso: #02457

-----N-21F25ASF84-----

INT 21 - Novell NetWare - DATA MIGRATION SUPPORT MODULE INFORMATION

AX = F25Ah subfn 84h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02459)
ES:DI -> reply buffer (see #02460)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=82h,AX=F25Ah/SF=83h,AX=F25Ah/SF=86h

Format of NetWare "Data Migration Support Module Information" request packet:

Offset Size Description (Table 02459)

00h WORD length of following data
 02h BYTE 84h (subfunction "Data Migration Support Module Information")
 03h DWORD information level
 0000h get data migration NLM info
 0001h get loaded support modules
 0002h get name of support module
 07h DWORD support module ID

SeeAlso: #02460

Format of NetWare "Data Migration Support Module Information" request packet:

Offset Size Description (Table 02460)

---information level 0---

00h DWORD read/write access status
 04h DWORD length of Specific Device Information block (max 384)
 08h DWORD space available on support module
 0Ch DWORD amount of space used
 10h BYTE length of support module's name
 11h 14 BYTES support module name
 1Fh 128 BYTES support module information

---information level 1---

00h DWORD number of support modules
 04h 32 BYTES support module IDs

---information level 2---

00h BYTE length of module name
 01h 32 BYTES support module name

SeeAlso: #02459

-----N-21F25ASF85-----

INT 21 - Novell NetWare - MOVE FILE DATA FROM DATA MIGRATION

AX = F25Ah subfn 85h
 CX = length of request packet in bytes
 DX = 0000h (no reply packet)
 DS:SI -> request packet (see #02461)
 ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=80h,AX=F25Ah/SF=83h,AX=F25Ah/SF=86h

Format of NetWare "Move File Data From Data Migration" request packet:

Offset Size Description (Table 02461)

00h WORD length of following data

02h BYTE 85h (subfunction "Move File Data from Data Migration")
03h DWORD volume number
07h DWORD directory entry number
0Bh DWORD name space (see #02387)

SeeAlso: #02452

-----N-21F25ASF86-----

INT 21 - Novell NetWare - GET OR SET DEFAULT SUPPORT MODULE

AX = F25Ah subfn 86h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02462)
ES:DI -> reply buffer (see #02463)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F25Ah/SF=01h,AX=F25Ah/SF=80h,AX=F25Ah/SF=84h

Format of NetWare "Get or Set Default Support Module" request packet:

Offset Size Description (Table 02462)

00h WORD length of following data
02h BYTE 86h (subfunction "Get or Set Default Support Module")
03h DWORD direction
 00h get default support module
 01h set default support module
07h DWORD new module ID if setting

SeeAlso: #02463

Format of NetWare "Get or Set Default Support Module" request packet:

Offset Size Description (Table 02463)

00h DWORD support module ID

SeeAlso: #02462

-----N-21F268SF01-----

INT 21 - Novell NetWare v4+ - GET TREE NAME

AX = F268h subfn 01h
CX = length of request buffer in bytes (0001h)
DX = length of reply buffer in bytes (0064h)
DS:SI -> request buffer (see #02464)
ES:DI -> reply buffer (see #02465)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

 reply buffer filled

SeeAlso: AX=F268h/SF=04h

Format of NetWare "Get Tree Name" request buffer:

```
Offset Size Description (Table 02464)
00h BYTE 01h (subfunction "Get Tree Name")
```

Format of NetWare "Get Tree Name" reply buffer:

```
Offset Size Description (Table 02465)
00h DWORD Ping version
04h DWORD length of tree name
08h 32 BYTES tree name, padded with underscores ('_')
28h 60 BYTES ???
```

-----N-21F268SF04-----

INT 21 - Novell NetWare v4+ - GET BINDERY CONTEXT

```
AX = F268h subfn 04h
CX = length of request buffer in bytes (0001h)
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02466)
ES:DI -> reply buffer (see #02467)
```

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

SeeAlso: AX=F268h/SF=01h,AX=F268h/SF=C8h

Format of NetWare "Get Bindery Context" request buffer:

```
Offset Size Description (Table 02466)
00h BYTE 04h (subfunction "Get Bindery Context")
```

Format of NetWare "Get Bindery Context" reply buffer:

```
Offset Size Description (Table 02467)
00h DWORD length (max 200)
04h N WORDs Unicode bindery context string
```

-----N-21F268SF05-----

INT 21 - Novell NetWare v4+ - MONITOR NDS CONNECTION

```
AX = F268h subfn 05h
CX = length of request buffer in bytes (0001h)
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02468)
ES:DI -> reply buffer (unused???)
```

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

Format of NetWare "Monitor NDS Connection" request buffer:

```
Offset Size Description (Table 02468)
00h BYTE 05h (subfunction "Monitor NDS Connection")
```

-----N-21F268SF16-----

INT 21 - Novell NetWare v4+ - NDS LIST PARTITIONS

AX = F268h subfn 16h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02469)

ES:DI -> reply buffer (see #02470)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Note: the length specified in CX must be exactly 13 bytes more than the length field at offset 09h in the request buffer for this function to be successful

SeeAlso: AX=F268h/SF=35h

Format of NetWare "NDS List Partitions" request buffer:

Offset Size Description (Table 02469)

00h BYTE 02h

01h DWORD ??? (FFFFFFFFh)

05h DWORD ??? (00000202h)

09h DWORD length (00000018h)

0Dh DWORD ??? (00000000h)

11h DWORD function (00000016h) (subfunction "NDS List Partitions")

15h DWORD ??? (00000400h)

19h DWORD API version (00000000h)

1Dh DWORD ??? (00000000h)

21h DWORD iteration (FFFFFFFFh)

SeeAlso: #02470,#02471

Format of NetWare "NDS List Partitions" reply buffer:

Offset Size Description (Table 02470)

00h DWORD length

04h DWORD ???

08h DWORD return code

0Ch DWORD iteration

10h 1000 BYTES returned data

SeeAlso: #02469

-----N-21F268SF35-----

INT 21 - Novell NetWare v4+ - NDS GET SERVER NAME AND ADDRESS

AX = F268h subfn 35h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02471)

ES:DI -> reply buffer (see #02472)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Note: the length specified in CX must be exactly 13 bytes more than the length field at offset 09h in the request buffer for this function to be successful

SeeAlso: AX=F268h/SF=16h

Format of NetWare "NDS Get Server Name and Address" request buffer:

Offset Size Description (Table 02471)

00h	BYTE	02h
01h	DWORD	??? (FFFFFFFFh)
05h	DWORD	??? (00000202h)
09h	DWORD	length (0000000Ch)
0Dh	DWORD	??? (00000000h)
11h	DWORD	function (00000035h) (subfunc "NDS Get Server Name and Addr")
15h	DWORD	??? (00000400h)

SeeAlso: #02469, #02472

Format of NetWare "NDS Get Server Name and Address" reply buffer:

Offset Size Description (Table 02472)

00h	DWORD	length
04h	DWORD	???
08h	DWORD	return code
0Ch	DWORD	length of name
10h	N WORDs	Unicode server name string
		var padding
	DWORD	??? (00000001h)
	DWORD	??? (00000000h)
	DWORD	??? (0000000Ch)
		12 BYTES server's IPX address

SeeAlso: #02471

-----N-21F268SF3D-----

INT 21 - Novell NetWare v4+ - NDS LOGOUT

AX = F268h subfn 3Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02473)

ES:DI -> reply buffer (see #02474)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F217h/SF=14h

Format of NetWare "NDS Logout" request buffer:

Offset Size Description (Table 02473)

00h	BYTE	02h
01h	DWORD	??? (FFFFFFFFh)
05h	DWORD	??? (00000202h)
09h	DWORD	length (0000000Ch)
0Dh	DWORD	??? (00000000h)
11h	DWORD	function (0000003Dh) (subfunction "NDS Logout")
15h	DWORD	??? (00000000h)

SeeAlso: #02474

Format of NetWare "NDS Logout" reply buffer:

Offset Size Description (Table 02474)

00h	DWORD	length
04h	DWORD	???
08h	DWORD	return code

SeeAlso: #02473

-----N-21F268SFC8-----

INT 21 - Novell NetWare v4+ - GET DS AUDITING STATISTICS

AX = F268h subfn C8h
CX = length of request buffer in bytes (0001h)
DX = length of reply buffer in bytes (0020h)
DS:SI -> request buffer (see #02475)
ES:DI -> reply buffer (see #02476)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

SeeAlso: AX=F258h/SF=01h, AX=F268h/SF=01h, AX=F268h/SF=04h

Format of NetWare "Get DS Auditing Statistics" request buffer:

Offset Size Description (Table 02475)

00h	BYTE	C8h (subfunction "Get DS Auditing Statistics")
-----	------	--

SeeAlso: #02476

Format of NetWare "Get DS Auditing Statistics" reply buffer:

Offset Size Description (Table 02476)

00h	WORD	auditing version (date)
02h	WORD	audit file version (date)
04h	DWORD	auditing enabled flag
08h	DWORD	audit file's size

0Ch DWORD audit configuration file's size
 10h DWORD maximum audit file size
 14h DWORD audit file size threshold
 18h DWORD number of audit records
 1Ch DWORD number of history records

SeeAlso: #02424,#02475

-----N-21F269-----

INT 21 - Novell NetWare - LOG FILE

AX = F269h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02477)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F203h,AX=F26Ah,AH=EBh"NetWare"

Format of NetWare "Log File" request packet:

Offset Size Description (Table 02477)

00h BYTE directory handle

01h BYTE lock flag

00h log only

01h log and lock

02h WORD lock timeout in clock ticks (0000h = don't wait)

04h BYTE length of filename

05h N BYTEs filename

-----N-21F26A-----

INT 21 - Novell NetWare - LOCK FILE SET

AX = F26Ah

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02478)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F204h,AX=F269h,AH=CBh"NetWare"

Format of NetWare "Lock File Set" request packet:

Offset Size Description (Table 02478)

00h WORD lock timeout in clock ticks (0000h = don't wait)

-----N-21F26C-----

INT 21 - Novell NetWare - LOCK LOGICAL RECORD SET

AX = F26Ch

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02479)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F20Ah,AX=F26Ah,AH=CBh"NetWare"

Format of NetWare "Lock Logical Record Set" request packet:

Offset Size Description (Table 02479)

00h BYTE lock flag

00h shareable lock

01h exclusive lock

01h WORD lock timeout in clock ticks (0000h = don't wait)

-----N-21F26E-----

INT 21 - Novell NetWare - LOCK PHYSICAL RECORD SET

AX = F26Eh

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02480)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F21Bh,AX=F26Ch,AH=C2h"NetWare"

Format of NetWare "Lock Physical Record Set" request packet:

Offset Size Description (Table 02480)

00h BYTE lock flag

00h exclusive lock

02h shareable lock

01h WORD lock timeout in clock ticks (0000h = don't wait)

-----N-21F26FSF00-----

INT 21 - Novell NetWare - OPEN SEMAPHORE

AX = F26Fh subfn 00h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02481)

ES:DI -> reply buffer (see #02482)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F26Fh/SF=01h,AX=F26Fh/SF=02h

Format of NetWare "Open Semaphore" request packet:

Offset Size Description (Table 02481)

00h BYTE 00h (subfunction "Open Semaphore")
01h BYTE initial semaphore value
02h BYTE length of semaphore's name
03h N BYTEs semaphore name

SeeAlso: #02482

Format of NetWare "Open Semaphore" request packet:

Offset Size Description (Table 02482)

00h DWORD semaphore handle
04h BYTE number of clients using semaphore (including caller)

SeeAlso: #02481

-----N-21F26FSF01-----

INT 21 - Novell NetWare - CLOSE SEMAPHORE

AX = F26Fh subfn 01h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02483)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F26Fh/SF=00h,AX=F26Fh/SF=03h,AX=F220h/SF=04h

Format of NetWare "Close Semaphore" request packet:

Offset Size Description (Table 02483)

00h BYTE 01h (subfunction "Close Semaphore")
01h DWORD semaphore handle

SeeAlso: #02286

-----N-21F26FSF02-----

INT 21 - Novell NetWare - WAIT ON SEMAPHORE

AX = F26Fh subfn 02h
CX = length of request packet in bytes
DX = 0000h (no reply packet)
DS:SI -> request packet (see #02484)
ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F26Fh/SF=00h,AX=F26Fh/SF=04h

Format of NetWare "Wait on Semaphore" request packet:

Offset Size Description (Table 02484)

00h BYTE 02h (subfunction "Wait on Semaphore")
01h DWORD semaphore handle
05h WORD timeout in clock ticks (0000h = no wait)

-----N-21F26FSF03-----

INT 21 - Novell NetWare - SIGNAL SEMAPHORE

AX = F26Fh subfn 03h

CX = length of request packet in bytes

DX = 0000h (no reply packet)

DS:SI -> request packet (see #02485)

ES:DI ignored

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F26Fh/SF=02h,AX=F26Fh/SF=04h

Format of NetWare "Signal Semaphore" request packet:

Offset Size Description (Table 02485)

00h BYTE 03h (subfunction "Signal Semaphore")

01h DWORD semaphore handle

-----N-21F26FSF04-----

INT 21 - Novell NetWare - EXAMINE SEMAPHORE

AX = F26Fh subfn 04h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02486)

ES:DI -> reply buffer (see #02487)

Return: AX = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

SeeAlso: AH=F2h"Novell",AX=F26Fh/SF=02h,AX=F26Fh/SF=03h

Format of NetWare "Examine Semaphore" request packet:

Offset Size Description (Table 02486)

00h BYTE 04h (subfunction "Examine Semaphore")

01h DWORD semaphore handle

SeeAlso: #02487

Format of NetWare "Examine Semaphore" reply packet:

Offset Size Description (Table 02487)

00h BYTE semaphore's current value

01h BYTE number of clients using semaphore

SeeAlso: #02486

-----N-21F272-----

INT 21 - Novell NetWare v4+ - GET FILE SERVER UTC TIME

AX = F272h

CX = length of request buffer in bytes (0003h)

DX = length of reply buffer in bytes (0064h)

DS:SI -> request buffer (see #02488)

ES:DI -> reply buffer (see #02489)
Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

Format of NetWare "Get File Server UTC Time" request buffer:

Offset Size Description (Table 02488)

00h BYTE ??? (00h)

01h BYTE ??? (01h)

02h BYTE ??? (01h)

SeeAlso: #02489

Format of NetWare "Get File Server UTC Time" reply buffer:

Offset Size Description (Table 02489)

00h DWORD seconds

04h DWORD ???

04h DWORD ??? (00000204h)

04h DWORD ??? (00000000h)

04h DWORD ??? (00000000h)

04h DWORD ??? (FFFFFFFFh)

04h DWORD ??? (00000000h)

SeeAlso: #02488

-----N-21F27BSF01-----

INT 21 - Novell NetWare v4+ - GET CACHE INFORMATION

AX = F27Bh subfn 01h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02490)

ES:DI -> reply buffer (see #02491)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

SeeAlso: AX=F27Bh/SF=02h

Format of NetWare "Get Cache Information" request buffer:

Offset Size Description (Table 02490)

00h WORD 0001h (length of following data)

02h BYTE 01h (subfunction "Get Cache Information")

SeeAlso: #02491

Format of NetWare "Get Cache Information" reply buffer:

Offset Size Description (Table 02491)

00h DWORD current server time

```
04h BYTE vconsole version
05h BYTE vconsole revision
06h WORD reserved
08h DWORD "readExistingBlockCount"
0Ch DWORD "readExistingWriteWaitCount"
10h DWORD "readExistingPartialReadCount"
14h DWORD "readExistingReadErrorCount"
18h DWORD "writeBlockCount"
1Ch DWORD "writeEntireBlockCount"
20h DWORD "getDiskCount"
24h DWORD "getDiskNeedToAllocCount"
28h DWORD "getDiskSomeoneBeatMeCount"
2Ch DWORD "getDiskPartialReadCount"
30h DWORD "getDiskReadErrorCount"
34h DWORD "getAsyncDiskCount"
38h DWORD "getAsyncDiskNeedToAlloc"
3Ch DWORD "getAsyncDiskSomeoneBeatMe"
40h DWORD "errorDoingAsyncReadCount"
44h DWORD "getDiskNoReadCount"
48h DWORD "getDiskNoReadAllocCount"
4Ch DWORD "getDiskNoReadSomeoneBeatMeCount"
50h DWORD "diskWriteCount"
54h DWORD "diskWriteAllocCount"
58h DWORD "diskWriteSomeoneBeatMeCount"
5Ch DWORD "writeErrorCount"
60h DWORD "waitOnSemaphoreCount"
64h DWORD "allocBlockWaitForSomeoneCount"
68h DWORD "allocBlockCount"
6Ch DWORD "allocBlockWaitCount"
70h DWORD original number of cache buffers
74h DWORD current number of cache buffers
78h DWORD cache dirty-block threshold
7Ch DWORD "waitNodeCount"
80h DWORD "waitNodeAllocFailureCount"
84h DWORD "moveCacheNodeCount"
88h DWORD "moveCacheNodeFromAvailCount"
8Ch DWORD "accelerateCacheNodeWriteCount"
90h DWORD "removeCacheNodeCount"
94h DWORD "removeCacheNodeFromAvailCount"
98h DWORD number of cache checks
9Ch DWORD number of cache hits
```

A0h DWORD number of dirty-cache checks
 A4h DWORD number of dirty-cache hits
 A8h DWORD "cacheUsedWhileChecking"
 ACh DWORD "waitForDirtyBlocksDecreaseCount"
 B0h DWORD "allocBlockFromAvailCount"
 B4h DWORD "allocBlockFromLRUCount"
 B8h DWORD "allocBlockAlreadyWaiting"
 BCh DWORD "LRUSittingTime"
 C0h DWORD maximum byte count
 C4h DWORD minimum number of cache buffers
 C8h DWORD minimum cache report threshold
 D0h DWORD "allocWaitingCount"
 D4h DWORD number of dirty cache blocks
 D8h DWORD "cacheDirtyWaitTime"
 DCh DWORD "maxDirtyTime"
 E0h DWORD number of directory cache buffers
 E4h DWORD "cacheByteToBlockShiftFactor"

SeeAlso: #02490

-----N-21F27BSF02-----

INT 21 - Novell NetWare v4+ - GET SERVER INFORMATION

AX = F27Bh subfn 02h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02492)

ES:DI -> reply buffer (see #02493)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F27Bh/SF=01h

Format of NetWare "Get Server Information" request buffer:

Offset Size Description (Table 02492)

00h WORD 0001h (length of following data)

02h BYTE 02h (subfunction "Get Server Information")

SeeAlso: #02493

Format of NetWare "Get Server Information" reply buffer:

Offset Size Description (Table 02493)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

```

08h  DWORD current NCP stations in use
0Ch  DWORD peak NCP stations in use
10h  DWORD total NCP requests
14h  DWORD server utilization
18h  DWORD number of cancelled replies
1Ch  DWORD "writeHeldOffCount"
20h  DWORD "writeHeldOffWithDuplicateRequest"
24h  DWORD number of invalid request types
28h  DWORD "beingAbortedCount"
2Ch  DWORD "alreadyDoingReallocCount"
30h  DWORD "deAllocInvalidSlotCount"
34h  DWORD "deAllocBeingProcessedCount"
38h  DWORD "deAllocForgedPacketCount"
3Ch  DWORD "startStationErrorCount"
40h  DWORD number of invalid slot numbers
44h  DWORD "beingProcessedCount"
48h  DWORD number of forged packets
4Ch  DWORD number still transmitting
50h  DWORD "reExecuteRequestCount"
54h  DWORD number of invalid sequence numbers
58h  DWORD "duplicateIsBeingSentAlreadyCnt"
5Ch  DWORD number of positive acknowledgements sent
60h  DWORD number of duplicate replies sent
64h  DWORD number of times out of memory for station control
68h  DWORD number of times out of available connections
6Ch  DWORD "reallocSlotCount"
70h  DWORD "reallocSlotCameTooSoonCount"
74h  WORD  number of times maximum hop count exceeded
76h  WORD  number of unknown networks
78h  WORD  "NoSpaceForService"
7Ah  WORD  number of times out of receive buffers
7Ch  WORD  "notMyNetwork"
7Eh  DWORD number of NetBIOS packets propagated
82h  DWORD total number of packets serviced
86h  DWORD total number of packets routed

```

SeeAlso: #02492

-----N-21F27BSF04-----

INT 21 - Novell NetWare v4+ - GET USER INFORMATION

AX = F27Bh subfn 04h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02494)
ES:DI -> reply buffer (see #02495)
Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

Format of NetWare "Get User Information" request buffer:

Offset	Size	Description (Table 02494)
00h	WORD	0005h (length of following data)
02h	BYTE	04h (subfunction "Get User Information")
03h	DWORD	connection number

SeeAlso: #02495

Format of NetWare "Get User Information" reply buffer:

Offset	Size	Description (Table 02495)
00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved
08h	DWORD	connection number
0Ch	DWORD	use count
10h	BYTE	connection service type
11h	7 BYTES	login time
18h	DWORD	status
1Ch	DWORD	expiration time
20h	DWORD	object type
24h	BYTE	transaction flag
25h	BYTE	logical lock threshold
26h	BYTE	record lock threshold
27h	BYTE	file write flags
28h	BYTE	file write state
29h	BYTE	(filler)
2Ah	WORD	file lock count
2Ch	WORD	record lock count
2Eh	6 BYTES	total number of bytes read
34h	6 BYTES	total number of bytes written
3Ah	DWORD	total requests
3Eh	DWORD	held requests
42h	6 BYTES	held bytes read
48h	6 BYTES	held bytes written
4Eh	BYTE	length of user name
4Fh	N BYTES	user name

SeeAlso: #02494

-----N-21F27BSF06-----

INT 21 - Novell NetWare v4+ - GET IPX/SPX Information

AX = F27Bh subfn 06h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02496)

ES:DI -> reply buffer (see #02497)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get IPX/SPX Information" request buffer:

Offset Size Description (Table 02496)

00h WORD 0001h (length of following data)

02h BYTE 06h (subfunction "Get IPX/SPX Information")

SeeAlso: #02497

Format of NetWare "Get IPX/SPX Information" reply buffer:

Offset Size Description (Table 02497)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h DWORD number of IPX packets sent

0Ch WORD number of malformed IPX packets

0Eh DWORD number of IPX Get-ECB requests

12h DWORD number of failed IPX Get-ECB requests

16h DWORD number of IPX AES events

1Ah WORD number of postponed IPX AES events

1Ch WORD maximum number of sockets (from configuration)

1Eh WORD maximum number of open sockets

20h WORD number of failed IPX socket opens

22h DWORD number of IPX "listen" ECBs

24h WORD number of failed IPX EBC cancels

26h WORD number of failed IPX Get-Local-Target requests

28h WORD maximum number of SPX connections (from configuration)

2Ah WORD maximum number of SPX connections used

2Ch WORD number of SPX Establish-Connection requests

2Eh WORD number of failed SPX Establish-Connection requests

30h WORD total number of SPX "listen-connect" requests

32h WORD number of failed SPX "listen-connect" requests

34h DWORD number of SPX sends
 38h DWORD number of SPX "window-choke"s
 3Ch WORD number of bad SPX sends
 3Eh WORD number of failed SPX sends
 40h WORD number of aborted SPX connections
 42h DWORD number of SPX packet listens
 46h WORD number of bad SPX packet listens
 48h DWORD number of incoming SPX packets
 4Ch WORD number of bad incoming SPX packets
 4Eh WORD number of supressed SPX packets
 50h WORD "SPXNoSesListenECBCount"
 52h WORD "SPXWatchDogDestSesCount"

SeeAlso: #02496

-----N-21F27BSF08-----

INT 21 - Novell NetWare v4+ - GET CPU INFORMATION

AX = F27Bh subfn 08h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02498)

ES:DI -> reply buffer (see #02499)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get CPU Information" request buffer:

Offset Size Description (Table 02498)

00h WORD 0005h (length of following data)

02h BYTE 08h (subfunction "Get CPU Information")

03h DWORD CPU number

SeeAlso: #02499

Format of NetWare "Get CPU Information" reply buffer:

Offset Size Description (Table 02499)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h DWORD number of CPUs

0Ch DWORD page table owner flag

10h DWORD CPU type flag

14h DWORD coprocessor flag

18h DWORD bus type flag

1Ch DWORD I/O engine flag
 20h DWORD filesystem engine flag
 24h DWORD non-dedicated flag
 28h 201 BYTEs counted string: CPU string;number of coprocessors;bus string
 SeeAlso: #02498

-----N-21F27BSF09-----

INT 21 - Novell NetWare v4+ - GET VOLUME SWITCH INFORMATION

AX = F27Bh subfn 09h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02500)

ES:DI -> reply buffer (see #02501)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled

Format of NetWare "Get Volume Switch Information" request buffer:

Offset Size Description (Table 02500)

00h WORD 0005h (length of following data)

02h BYTE 09h (subfunction "Get Volume Switch Information")

03h DWORD starting item number

SeeAlso: #02501

Format of NetWare "Get Volume Switch Information" reply buffer:

Offset Size Description (Table 02501)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h DWORD total LFS counters

0Ch DWORD current LFS counters

10h DWORD "readFile"

14h DWORD "writeFile"

18h DWORD "deleteFile"

1Ch DWORD "renMove"

20h DWORD "openFile"

24h DWORD "createFile"

28h DWORD "createAndOpenFile"

2Ch DWORD "closeFile"

30h DWORD "scanDeleteFile"

34h DWORD "salvageFile"

38h DWORD "purgeFile"

3Ch DWORD "migrateFile"
40h DWORD "deMigrateFile"
44h DWORD "createDir"
48h DWORD "deleteDir"
4Ch DWORD "directoryScans"
50h DWORD "mapPathToDirNum"
54h DWORD "modifyDirEntry"
58h DWORD "getAccessRights"
5Ch DWORD "getAccessRightsFromIDs"
60h DWORD "mapDirNumToPath"
64h DWORD "getEntryFromPathStrBase"
68h DWORD "getOtherNSEntry"
6Ch DWORD "getExtDirInfo"
70h DWORD "getParentDirNum"
74h DWORD "addTrusteeR"
78h DWORD "scanTrusteeR"
7Ch DWORD "delTrusteeR"
80h DWORD "purgeTrust "
84h DWORD "findNextTrustRef"
88h DWORD "scanUserRestNodes"
8Ch DWORD "addUserRest "
90h DWORD "deleteUserRest "
94h DWORD "rtnDirSpaceRest "
98h DWORD "getActualAvailDskSp"
9Ch DWORD "cntOwnedFilesAndDirs"
A0h DWORD "migFileInfo"
A4h DWORD "volMigInfo"
A8h DWORD "readMigFileData "
ACh DWORD "getVolusageStats "
B0h DWORD "getActualVolUsageStats "
B4h DWORD "getDirUsageStats "
B8h DWORD "NMFileReadsCount "
BCh DWORD "NMFileWritesCount "
C0h DWORD "mapPathToDirNumOrPhantom"
C4h DWORD "stationsHasAccessRgtsGntedBelow"
C8h DWORD "gtDataSteamLensFromPathStrBase"
CCh DWORD "checkAndGetDirectoryEntry"
D0h DWORD "getDeletedEntry"
D4h DWORD "getOriginalNameSpace"
D8h DWORD "getActualFileSize"
DCh DWORD "verifyNameSpaceNumber"

E0h DWORD "verifyDataStreamNumber"
E4h DWORD "checkVolumeNumber"
E8h DWORD "commitFile"
ECh DWORD "VMGetDirectoryEntry"
F0h DWORD "createDMFileEntry"
F4h DWORD "renameNameSpaceEntry"
F8h DWORD "logFile"
FCh DWORD "releaseFile"
100h DWORD "clearFile"
104h DWORD "setVolumeFlag"
108h DWORD "clearVolumeFlag"
10Ch DWORD "getOriginalInfo"
110h DWORD "createMigratedDir"
114h DWORD "F3OpenCreate"
118h DWORD "F3InitFileSearch"
11Ch DWORD "F3ContinueFileSearch"
120h DWORD "F3RenameFile"
124h DWORD "F3ScanForTrustees"
128h DWORD "F3ObtainFileInfo"
12Ch DWORD "F3ModifyInfo"
130h DWORD "F3EraseFile"
134h DWORD "F3SetDirHandle"
138h DWORD "F3AddTrustees"
13Ch DWORD "F3DeleteTrustees"
140h DWORD "F3AllocDirHandle"
144h DWORD "F3ScanSalvagedFiles"
148h DWORD "F3RecoverSalvagedFiles"
14Ch DWORD "F3PurgeSalvageableFile"
150h DWORD "F3GetNSSpecificInfo"
154h DWORD "F3ModifyNSSpecificInfo"
158h DWORD "F3SearchSet"
15Ch DWORD "F3GetDirBase"
160h DWORD "F3QueryNameSpaceInfo"
164h DWORD "F3GetNameSpaceList"
168h DWORD "F3GetHugeInfo"
16Ch DWORD "F3SetHugeInfo"
170h DWORD "F3GetFullPathString"
174h DWORD "F3GetEffectiveDirectoryRights"

SeeAlso: #02500

-----N-21F27BSF0A-----

INT 21 - Novell NetWare v4+ - GET LOADED NLMs

AX = F27Bh subfn 0Ah
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02502)
 ES:DI -> reply buffer (see #02503)
 Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled

Format of NetWare "Get NLMs Loaded" request buffer:

Offset	Size	Description (Table 02502)
00h	WORD	0005h (length of following data)
02h	BYTE	0Ah (subfunction "Get NLMs Loaded")
03h	DWORD	first NLM number to report

SeeAlso: #02503

Format of NetWare "Get NLMs Loaded" reply buffer:

Offset	Size	Description (Table 02503)
00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved
08h	DWORD	total number of NLMs
0Ch	DWORD	number of NLM numbers following (max 50)
10h	50 DWORDs	NLM numbers

SeeAlso: #02502

-----N-21F27BSF0B-----

INT 21 - Novell NetWare v4+ - GET NLM INFORMATION

AX = F27Bh subfn 0Bh
 CX = length of request buffer in bytes
 DX = length of reply buffer in bytes
 DS:SI -> request buffer (see #02504)
 ES:DI -> reply buffer (see #02505)
 Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
 reply buffer filled

Format of NetWare "Get NLM Information" request buffer:

Offset	Size	Description (Table 02504)
00h	WORD	0005h (length of following data)
02h	BYTE	0Bh (subfunction "Get NLM Information")
03h	DWORD	NLM number

SeeAlso: #02505

Format of NetWare "Get NLM Information" reply buffer:

Offset	Size	Description (Table 02505)
00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved
08h	DWORD	identification number
0Ch	DWORD	flags
10h	DWORD	NLM type (see #02506)
14h	DWORD	parent identifier
18h	DWORD	major version
1Ch	DWORD	minor version
20h	DWORD	revision
24h	DWORD	year
28h	DWORD	month
2Ch	DWORD	day
30h	DWORD	bytes available for allocation
34h	DWORD	"allocFreeCount"
38h	DWORD	last garbage collection
3Ch	DWORD	message language
40h	DWORD	number of referenced public identifiers
44h	200 BYTES	NLM strings: filename, NLM name, copyright

SeeAlso: #02504

(Table 02506)

Values for NetWare NLM type:

0001h	LAN
0002h	DSK
0003h	NAM
0004h	utility NLM
0005h	MSL
0006h	operating system NLM
0007h	paged NLM
0008h	HAM
0009h	CDM
000Ah	file system NLM
000Bh	real mode NLM
000Ch	hidden NLM

SeeAlso: #02505

-----N-21F27BSF0D-----

INT 21 - Novell NetWare v4+ - GET OS VERSION INFORMATION

AX = F27Bh subfn 0Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02507)

ES:DI -> reply buffer (see #02508)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get OS Version Information" request buffer:

Offset Size Description (Table 02507)

00h WORD 0001h (length of following data)

02h BYTE 0Dh (subfunction "Get OS Version Information")

SeeAlso: #02508

Format of NetWare "Get OS Version Information" reply buffer:

Offset Size Description (Table 02508)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h BYTE operating system major version

09h BYTE operating system minor version

0Ah BYTE operating system revision number

0Bh BYTE accounting version

0Ch BYTE VAP version

0Dh BYTE queueing version

0Eh BYTE security restrictions level

0Fh BYTE bridging support

10h DWORD maximum number of volumes

14h DWORD number of connection slots

18h DWORD maximum number of logged-in connections

1Ch DWORD maximum number of name spaces

20h DWORD maximum number of LANs

24h DWORD maximum number of media types

28h DWORD maximum number of protocols

2Ch DWORD maximum subdirectory tree depth

30h DWORD maximum number of data streams

34h DWORD maximum number of spooled printers

38h DWORD serial number

3Ch WORD application number

SeeAlso: #02507

-----N-21F27BSF14-----

INT 21 - Novell NetWare v4+ - GET ACTIVE LAN BOARD LIST

AX = F27Bh subfn 14h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02509)

ES:DI -> reply buffer (see #02510)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get Active LAN Board List" request buffer:

Offset Size Description (Table 02509)

00h WORD 0005h (length of following data)

02h BYTE 14h (subfunction "Get Active LAN Board List")

03h DWORD start number

SeeAlso: #02510

Format of NetWare "Get Active LAN Board List" reply buffer:

Offset Size Description (Table 02510)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h DWORD maximum number of LANs

0Ch DWORD number of LAN board numbers returned

10h 50 DWORDs board numbers

SeeAlso: #02509

-----N-21F27BSF15-----

INT 21 - Novell NetWare v4+ - GET LAN CONFIGURATION

AX = F27Bh subfn 15h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02511)

ES:DI -> reply buffer (see #02512)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F27Bh/SF=16h

Format of NetWare "Get LAN Configuration" request buffer:

Offset Size Description (Table 02511)

00h WORD 0005h (length of following data)
02h BYTE 15h (subfunction "Get LAN Configuration")
03h DWORD LAN board number

SeeAlso: #02512

Format of NetWare "Get LAN Configuration" reply buffer:

Offset Size Description (Table 02512)

00h DWORD current server time
04h BYTE vconsole version
05h BYTE vconsole revision
06h WORD reserved
08h BYTE driver configuration major version
09h BYTE driver configuration minor version
0Ah 6 BYTES driver node address
10h WORD driver mode flags
12h WORD driver board number
14h WORD driver board instance
16h DWORD driver maximum size
1Ah DWORD driver maximum receive size
1Eh DWORD driver receive size
22h 3 DWORDs reserved
2Eh WORD driver card ID
30h WORD driver transport time
32h DWORD driver source routing
36h WORD driver line speed
38h WORD driver reserved
3Ah BYTE driver major version
3Bh BYTE driver minor version
3Ch WORD driver flags
3Eh WORD driver send retries
40h DWORD driver link
44h WORD driver sharing flags
46h WORD driver slot
48h 4 WORDs driver I/O port and lengths
50h DWORD driver memory decode 0
54h WORD driver length 0
56h DWORD driver memory decode 1
5Ah WORD driver length 1
5Ch 2 BYTES driver's interrupts
5Eh 2 BYTES driver's DMA usage
60h 18 BYTES driver's logical name

72h 14 BYTES driver I/O reserved
 80h 128 BYTES driver card name
 100h 40 BYTES driver media type
 128h 180 BYTES driver custom variables

SeeAlso: #02511

-----N-21F27BSF16-----

INT 21 - Novell NetWare v4+ - GET LAN COMMON COUNTERS

AX = F27Bh subfn 16h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02513)

ES:DI -> reply buffer (see #02514)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

SeeAlso: AX=F27Bh/SF=15h

Format of NetWare "Get LAN Common Counters" request buffer:

Offset Size Description (Table 02513)

00h WORD 0009h (length of following data)

02h BYTE 16h (subfunction "Get LAN Common Counters")

03h DWORD LAN board number

07h DWORD starting block number (set to 00000000h for first call)

SeeAlso: #02514

Format of NetWare "Get LAN Common Counters" reply buffer:

Offset Size Description (Table 02514)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h BYTE statistics major version

09h BYTE statistics minor version

0Ah DWORD number of generic counters

0Eh DWORD number of counter blocks

12h DWORD number of custom variables

16h DWORD next counter block number

1Ah DWORD "notSupportedMask"

1Eh DWORD total number of packets transmitted

22h DWORD total number of packets received

26h DWORD number of times no ECBs were available

2Ah DWORD number of transmitted packets which were too large

2Eh DWORD number of transmitted packets which were too small
 32h DWORD number of packet receive overflows
 36h DWORD number of received packets which were too large
 3Ah DWORD number of received packets which were too small
 3Eh DWORD number of miscellaneous transmitted-packet errors
 42h DWORD number of miscellaneous received-packet errors
 46h DWORD number of times transmission retried
 4Ah DWORD number of checksum errors
 4Eh DWORD number of hardware receive mismatches
 52h 50 BYTEs reserved

SeeAlso: #02513

-----N-21F27BSF29-----

INT 21 - Novell NetWare v4+ - GET PROTOCOL STACK BY BOARD

AX = F27Bh subfn 29h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02515)

ES:DI -> reply buffer (see #02516)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get Protocol Stack by Board" request buffer:

Offset Size Description (Table 02515)

00h WORD 0005h (length of following data)

02h BYTE 29h (subfunction "Get Protocol Stack by Board")

03h DWORD LAN board number

SeeAlso: #02516

Format of NetWare "Get Protocol Stack by Board" reply buffer:

Offset Size Description (Table 02516)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h WORD number of stacks listed (max 50)

0Ah 50 DWORDs protocol identifiers

SeeAlso: #02515

-----N-21F27BSF33-----

INT 21 - Novell NetWare v4+ - GET ROUTER INFO

AX = F27Bh subfn 33h

CX = length of request buffer in bytes

DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02517)
ES:DI -> reply buffer (see #02518)
Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled
SeeAlso: AX=F27Bh/SF=35h

Format of NetWare "Get Router Info" request buffer:

Offset	Size	Description (Table 02517)
00h	WORD	0005h (length of following data)
02h	BYTE	33h (function "Get Router Info")
03h	DWORD	network number

SeeAlso: #02518

Format of NetWare "Get Router Info" reply buffer:

Offset	Size	Description (Table 02518)
00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved
08h	DWORD	network number
0Ch	WORD	hops to net
0Eh	WORD	network status
10h	WORD	time to net

SeeAlso: #02517,#02519

-----N-21F27BSF35-----

INT 21 - Novell NetWare v4+ - GET KNOWN NETWORKS INFO

AX = F27Bh subfn 35h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02519)
ES:DI -> reply buffer (see #02520)
Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled
SeeAlso: AX=F27Bh/SF=33h,AX=F27Bh/SF=38h

Format of NetWare "Get Router Info" request buffer:

Offset	Size	Description (Table 02519)
00h	WORD	0005h (length of following data)
02h	BYTE	35h (function "Get Known Networks Info")
03h	DWORD	start number (00000000h)

SeeAlso: #02520

Format of NetWare "Get Router Info" reply buffer:

Offset Size Description (Table 02520)

00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved
08h	DWORD	number of records following (max 20)
0Ch	var	array of network info records
Offset Size Description		
00h	WORD	network number
04h	WORD	hops to net
06h	WORD	network status
08h	WORD	time to net

SeeAlso: #02517,#02519

-----N-21F27BSF38-----

INT 21 - Novell NetWare v4+ - GET KNOWN SERVERS INFO

AX = F27Bh subfn 38h
CX = length of request buffer in bytes
DX = length of reply buffer in bytes
DS:SI -> request buffer (see #02521)
ES:DI -> reply buffer (see #02522)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

SeeAlso: AX=F27Bh/SF=35h

Format of NetWare "Get Known Servers" request buffer:

Offset Size Description (Table 02521)

00h	WORD	0009h (length of following data)
02h	BYTE	38h (function "Get Known Servers")
03h	DWORD	start number
07h	DWORD	server type

SeeAlso: #02522

Format of NetWare "Get Known Servers" reply buffer:

Offset Size Description (Table 02522)

00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved

08h DWORD number of records following (max 20)

0Ch var server record(s)

Offset	Size	Description
00h	DWORD	network number
04h	6 BYTES	node number
0Ah	WORD	socket number
0Ch	WORD	hops to server
0Eh	48 BYTES	object name

SeeAlso: #02521

-----N-21F27BSF3C-----

INT 21 - Novell NetWare v4+ - GET SERVER SET COMMANDS INFO

AX = F27Bh subfn 3Ch

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02523)

ES:DI -> reply buffer (see #02524)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)

reply buffer filled

Format of NetWare "Get Server Set Commands Info" request packet:

Offset	Size	Description (Table 02523)
00h	WORD	0005h (length of following data)
02h	BYTE	3Ch (subfunction "Get Server Set Commands Info")
03h	DWORD	start sequence number

SeeAlso: #02524

Format of NetWare "Get Server Set Commands Info" packet:

Offset	Size	Description (Table 02524)
00h	DWORD	current server time
04h	BYTE	vconsole version
05h	BYTE	vconsole revision
06h	WORD	reserved
08h	DWORD	number of set commands
0Ch	DWORD	next sequence number
10h	DWORD	set command type
14h	DWORD	set command category
18h	DWORD	set command flags
1Ch	BYTE	length of set command name
1Dh	N BYTES	set command name
	BYTE	number of set command values
	N BYTES	set command values

SeeAlso: #02523

-----N-21F27BSF3D-----

INT 21 - Novell NetWare v4+ - GET SERVER SET CATEGORIES

AX = F27Bh subfn 3Dh

CX = length of request buffer in bytes

DX = length of reply buffer in bytes

DS:SI -> request buffer (see #02525)

ES:DI -> reply buffer (see #02526)

Return: AL = status (see #02860 at INT 2F/AX=7A20h/BX=0000h)
reply buffer filled

Format of NetWare "Get Server Set Categories" request packet:

Offset Size Description (Table 02525)

00h WORD 0005h (length of following data)

02h BYTE 3Dh (subfunction "Get Server Set Categories")

03h DWORD start sequence number

SeeAlso: #02526

Format of NetWare "Get Server Set Categories" reply packet:

Offset Size Description (Table 02526)

00h DWORD current server time

04h BYTE vconsole version

05h BYTE vconsole revision

06h WORD reserved

08h DWORD number of set categories

0Ch DWORD next sequence number

10h BYTE length of category name

11h N BYTEs category name

SeeAlso: #02525

-----v-21F2AA-----

INT 21 - VIRUS - "PcVrsDs" - INSTALLATION CHECK

AX = F2AAh

Return: AH = AAh if resident

SeeAlso: AH=F1h"VIRUS",AH=F3h"VIRUS"

-----N-21F3-----

INT 21 - Novell NetWare - FILE SERVICES - FILE SERVER FILE COPY

AH = F3h

ES:DI -> request buffer (see #02527)

Return: AL = status/error code

CX:DX = number of bytes copied

Notes: this function is supported by Advanced NetWare 2.0+

both source and destination must be on the same file server

SeeAlso: AH=3Ch,AH=3Fh"DOS"

Format of NetWare "File Server File Copy" request buffer:

Offset Size Description (Table 02527)

00h WORD source file handle (as returned by AH=3Ch or AH=3Dh)

02h WORD destination file handle

04h DWORD starting offset in source

08h DWORD starting offset in destination

0Ch DWORD number of bytes to copy

-----T-21F3-----

INT 21 - DoubleDOS - ADD CHARACTER TO KEYBOARD BUFFER OF CURRENT JOB

AH = F3h

AL = character

Return: AL = 00h successful

01h buffer full (128 characters)

SeeAlso: AH=E3h"DoubleDOS",AH=F1h"DoubleDOS",AH=F2h"DoubleDOS"

SeeAlso: AH=F8h"DoubleDOS"

-----v-21F3-----

INT 21 - VIRUS - "Carfield" - INSTALLATION CHECK

AH = F3h

Return: AX = 0400h if resident

SeeAlso: AH=D5h"Carfield",AX=F2AAh,AH=F7h"VIRUS"

-----T-21F400-----

INT 21 - DoubleDOS - INSTALLATION CHECK/PROGRAM STATUS

AX = F400h

Return: AL = program status

00h if DoubleDOS not present

01h if running in visible DoubleDOS partition

02h if running in the invisible DoubleDOS partition

SeeAlso: AX=E400h,AH=F5h"DoubleDOS"

-----T-21F5-----

INT 21 - DoubleDOS - OTHER PROGRAM STATUS

AH = F5h

Return: AL = program status

00h no program in other partition

01h program in other partition is running

02h program in other partition is suspended

SeeAlso: AH=E5h"DoubleDOS",AX=F400h"DoubleDOS"

-----v-21F7-----

INT 21 - VIRUS - "GP1" - INSTALLATION CHECK

AH = F7h
Return: AX = 0300h if resident
SeeAlso: AH=F0h"VIRUS",AH=F9h"VIRUS"
-----D-21F8-----
INT 21 - DOS v2.11-2.13 - SET OEM INT 21 HANDLER
AH = F8h
DS:DX -> OEM INT 21 handler for functions F9h to FFh
FFFFh:FFFFh disables OEM handler
Notes: this function is known to be supported by Toshiba T1000 ROM MS-DOS
v2.11, Sanyo MS-DOS v2.11, and TI Professional Computer DOS v2.13
at least potentially this is still available with (OEM versions??? of)
MS-DOS 6.0.
calls to AH=F9h through AH=FFh will return AL=00h if no handler set
the user handler is called immediately on entry to the main DOS INT 21h
function dispatcher with interrupts disabled and all registers and
stack exactly as set by caller; it should exit with IRET
SeeAlso: AH=F9h"OEM"

-----T-21F8-----
INT 21 - DoubleDOS - SET/RESET KEYBOARD CONTROL FLAGS
AH = F8h
AL = program for which to set flags
00h this program
01h other program
DX = keyboard control flags (see #02088 at AH=E8h"DoubleDOS")
Return: DX = previous flags
Notes: disabling Ctrl-PrtSc will allow the program to intercept the keystroke;
disabling any of the other keystrokes disables them completely
this function is identical to AH=E8h
SeeAlso: AH=E8h"DoubleDOS",AH=F1h"DoubleDOS",AH=F2h"DoubleDOS"
SeeAlso: AH=F3h"DoubleDOS"

-----D-21F9-----
INT 21 - DOS v2.11-2.13 - OEM FUNCTION
AH = F9h
Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")
SeeAlso: AH=F8h"OEM",AH=FAh"OEM"

-----T-21F9-----
INT 21 - DoubleDOS - SET TIMESHARING PRIORITY
AH = F9h
AL = priority
00h visible program gets 70%, invisible gets 30% (default)
01h visible program gets 50%, invisible gets 50%

02h visible program gets 30%, invisible gets 70%
03h Top program gets 70%, bottom program gets 30%
04h Top program gets 30%, bottom program gets 70%
05h get current priority

Return: AL = priority setting

Note: identical to AH=E9h

SeeAlso: AH=E9h"DoubleDOS",AH=FAh"DoubleDOS",AH=FBh"DoubleDOS"

-----v-21F9-----

INT 21 - VIRUS - "Satans-Bug" - INSTALLATION CHECK

AH = F9h

Return: AX = AC0Ah if resident

SeeAlso: AH=F7h"VIRUS",AH=FBh"VIRUS",AX=FEDCh"VIRUS"

-----D-21FA-----

INT 21 - DOS v2.11-2.13 - OEM FUNCTION

AH = FAh

Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")

SeeAlso: AH=F8h"OEM",AH=F9h"OEM",AH=FBh"OEM"

-----T-21FA-----

INT 21 - DoubleDOS - TURN OFF TASK SWITCHING

AH = FAh

Return: task switching turned off

SeeAlso: AH=EAh"DoubleDOS",AH=F9h"DoubleDOS",AH=FBh"DoubleDOS"

SeeAlso: INT FA"DoubleDOS"

-----v-21FA-----

INT 21 - VIRUS - "Cinderella 2" - INSTALLATION CHECK

AH = FAh

Return: AH = F9h if resident

SeeAlso: AH=F0h"VIRUS",AX=FBA0h"VIRUS"

-----v-21FA--DX5945-----

INT 21 U - PC Tools v7+ VDEFEND, VSAFE, VWATCH - API

AH = FAh

DX = 5945h

AL = function (00h-02h for VDEFEND, 00h-07h for VSAFE and VWATCH)

Return: varies by function

Note: this API is identical to the API on INT 13/AH=FAh and INT 16/AH=FAh,
so it is listed in its entirety only under INT 16/AX=FA00h and
following

SeeAlso: INT 13/AX=FA00h,INT 16/AX=FA00h

-----k-21FAFF-----

INT 21 U - IBM PC-DOS - KEYBGK - SELECT KEYBOARD LAYOUT

AX = FAFFh

```
CL = keyboard layout
    31h keyboard 319
    32h keyboard 220
BX = code page (869 or 813 decimal)
Return: AL = F1h if installed
    DX destroyed
-----D-21FB-----
INT 21 - DOS v2.11-2.13 - OEM FUNCTION
    AH = FBh
Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")
SeeAlso: AH=F8h"OEM",AH=FAh"OEM",AH=FCh"OEM"
-----T-21FB-----
INT 21 - DoubleDOS - TURN ON TASK SWITCHING
    AH = FBh
Return: task switching turned on
SeeAlso: AH=EBh"DoubleDOS",AH=F9h"DoubleDOS",AH=FAh"DoubleDOS"
SeeAlso: INT FB"DoubleDOS"
-----v-21FB-----
INT 21 - VIRUS - "Cinderella" - INSTALLATION CHECK
    AH = FBh
Return: AH = 00h if resident
SeeAlso: AH=F9h"VIRUS",AH=FAh"VIRUS",AX=FB0Ah
-----v-21FB0A-----
INT 21 - VIRUS - "dBASE" - INSTALLATION CHECK
    AX = FB0Ah
Return: AX = 0AFBh if resident
SeeAlso: AH=FBh"VIRUS",AX=FBA0h"VIRUS",AH=FCh"VIRUS"
-----v-21FBA0-----
INT 21 - VIRUS - "Groove" - INSTALLATION CHECK
    AX = FBA0h
Return: AX = 0ABFh if resident
SeeAlso: AX=FB0Ah"VIRUS",AX=FBFBh"VIRUS"
-----v-21FBFB-----
INT 21 - VIRUS - "Dir.1367" - INSTALLATION CHECK
    AX = FBFBh
Return: AX = BFBFh if resident
SeeAlso: AX=FBA0h"VIRUS",AH=FCh"VIRUS"
-----D-21FC-----
INT 21 - DOS v2.11-2.13 - OEM FUNCTION
    AH = FCh
Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")
```

SeeAlso: AH=F8h"OEM",AH=FBh"OEM",AH=FDh"OEM"

-----T-21FC-----

INT 21 - DoubleDOS - GET VIRTUAL SCREEN ADDRESS

AH = FCh

Return: ES = segment of virtual screen

Desc: Determine the address of the virtual screen to which the program should write instead of the actual video memory, so that the multitasked programs do not interfere with each other's output.

Notes: screen address can change if task-switching is on!

identical to AH=ECh

SeeAlso: AH=ECh"DoubleDOS",INT FC"DoubleDOS"

-----v-21FC-----

INT 21 - VIRUS - "Troj" - INSTALLATION CHECK

AH = FCh

Return: AL = A5h if resident

SeeAlso: AX=FBA0h"VIRUS",AX=FC03h"VIRUS",AH=FDh"VIRUS"

-----v-21FC03-----

INT 21 - VIRUS - "Invisible" - INSTALLATION CHECK

AX = FC03h

Return: AX = 03FCh if resident

SeeAlso: AH=FCh"VIRUS",AH=FDh"VIRUS"

-----D-21FD-----

INT 21 - DOS v2.11-2.13 - OEM FUNCTION

AH = FDh

Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")

SeeAlso: AH=F8h"OEM",AH=FCh"OEM",AH=FEh"OEM"

-----v-21FD-----

INT 21 - VIRUS - "Border" - INSTALLATION CHECK

AH = FDh

Return: AH = 13h if resident

SeeAlso: AH=FCh"VIRUS",AX=FDACH"VIRUS",AH=FEh"VIRUS"

-----s-21FD12BX3457-----

INT 21 - Gravis UltraSound - MegaEm/MEGA_EM - INSTALLATION CHECK

AX = FD12h

BX = 3457h

Return: AX = 5678h if installed

BX = 1235h if v1.x or v2.x installed

CL = interrupt vector used by MegaEm (default 81h)

BX = 1237h if v3.x installed

CL = interrupt vector used by MegaEm (default 81h)

DX = version number

Program: MegaEm is a protected-mode SoundBlaster, SoundCanvas, and MT-32

emulator for the Gravis UltraSound

SeeAlso: INT 2F/AX=CD00h/BX=464Fh,INT 7E/AX=00FEh"SBOS",INT 81/AX=0200h

-----v-21FDAC-----

INT 21 - VIRUS - "Delwin" - INSTALLATION CHECK

AX = FDCh

Return: AX = 02E3h if resident

SeeAlso: AH=FDh"VIRUS",AH=FEh"VIRUS"

-----D-21FE-----

INT 21 - DOS v2.11-2.13 - OEM FUNCTION

AH = FEh

Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")

SeeAlso: AH=F8h"OEM",AH=FDh"OEM",AH=FFh"OEM"

-----T-21FE-----

INT 21 - DoubleDOS - GIVE AWAY TIME TO OTHER TASKS

AH = FEh

AL = number of 55ms time slices to give away

Return: returns after giving away time slices

SeeAlso: AH=EEh"DoubleDOS",INT FE"DoubleDOS"

-----v-21FE-----

INT 21 - VIRUS - "483" - INSTALLATION CHECK

AH = FEh

Return: AH = 00h if resident

SeeAlso: AX=FDCh"VIRUS",AX=FE01h

-----v-21FE01-----

INT 21 - VIRUS - "Flip" - INSTALLATION CHECK

AX = FE01h

Return: AX = 01FEh if resident

SeeAlso: AH=FEh"VIRUS",AX=FE02h

-----v-21FE02-----

INT 21 - VIRUS - "2468"/"Tequila" - INSTALLATION CHECK

AX = FE02h

Return: AX = 01FDh if resident

SeeAlso: AX=FE01h,AX=FE03h,AX=FEDCh"VIRUS"

-----v-21FE03-----

INT 21 - VIRUS - "2468"/"Tequila" - DISPLAY VIRUS MESSAGE

AX = FE03h

SeeAlso: AX=FE02h,AX=FEADh

-----v-21FEAD-----

INT 21 - VIRUS - "Shifting Objective" - INSTALLATION CHECK

AX = FEADh

Return: AX = D00Dh if resident
SeeAlso: AX=FE03h,AX=FEDCh"VIRUS"
-----d-21FEDC-----
INT 21 - PCMag PCMANAGE/DCOMPRES - INSTALLATION CHECK
AX = FEDCh
Return: AX = CDEFh if installed
Program: the PCMANAGE/DCOMPRES combination from PC Magazine permits
infrequently-used files to be compressed to save space and
transparently expanded when accessed
SeeAlso: AH=DCh,INT 2D/AL=10h"dLite"
-----v-21FEDC-----
INT 21 - VIRUS - "Black Monday" - INSTALLATION CHECK
AX = FEDCh
Return: AL = DCh if resident
SeeAlso: AX=FE02h,AX=FEFEh
-----v-21FEFE-----
INT 21 - VIRUS - "CIDER" - INSTALLATION CHECK
AX = FEFEh
Return: SI = 1994h if resident
SeeAlso: AX=FEDCh"VIRUS",AH=FFh"VIRUS"
-----D-21FF-----
INT 21 - DOS v2.11-2.13 - OEM FUNCTION
AH = FFh
Return: AL = 00h if no OEM function handler installed (see AH=F8h"OEM")
SeeAlso: AH=F8h"OEM",AH=FEh"OEM"
-----K-21FF-----
INT 21 - CED (Command Editor) - INSTALLABLE COMMANDS
AH = FFh
AL = subfunction
00h add installable command
BL = mode
bit 0 = 1 callable from DOS prompt
bit 1 = 1 callable from application
DS:SI -> CR-terminated command name
ES:DI -> FAR routine entry point
01h remove installable command
DS:SI -> CR-terminated command name
02h reserved, may be used to test for CED installation
Return: CF clear if successful
CF set on error
AX = error code

01h invalid function
02h command not found (subfunction 01h only)
08h insufficient memory (subfunction 00h only)
0Eh bad data (subfunction 00h only)

AH = FFh if CED not installed

Program: CED is a shareware DOS command-line enhancer by Christopher J. Dunford

SeeAlso: AX=0A00h

-----E-21FF-----

INT 21 - DJ GO32.EXE 80386+ DOS extender - DOS EXTENSIONS

AH = FFh

AL = function

01h create file
02h open file
03h get file statistics
04h get time of day
05h set time of day
06h stat
07h system

Program: GO32.EXE is a DOS extender included as part of the 80386 port of the

GNU C/C++ compiler by DJ Delorie and distributed as DJGPP

SeeAlso: INT 10/AH=FFh"GO32"

-----K-21FF-----

INT 21 - DOSED.COM - INSTALLATION CHECK

AH = FFh

DS:SI -> "DOSED"

ES = 0000h

Return: ES:DI -> "DOSED" if installed

Program: DOSED is a free DOS commandline editor/history buffer by Sverre H.

Huseby

-----v-21FF-----

INT 21 - VIRUS - "Sunday", "Tumen 0.5", "Hero" - INSTALLATION CHECK

AH = FFh

Return: AH = 00h if "Tumen 0.5" or "Hero" resident

AX = 0400h if "Sunday" resident

SeeAlso: AX=FEDCh"VIRUS",AX=FF01h"VIRUS"

-----E-21FF-----

INT 21 UP - Rational Systems DOS/4GW - API

AH = FFh

DH = function (00h-17h) (also see separate entries below)

DL = subfunction or argument

Return: CF clear if valid function number

```
    AX = status???
    CF set if invalid function
SeeAlso: INT 15/AX=BFDCh
-----E-21FF--DH00-----
INT 21 UP - Rational Systems DOS/4GW - GET VERSION???
    AH = FFh
    DH = 00h
    DL = ??? (78h seen)
Return: CF clear
    EAX = 4734FFFFh (high word is byte-swapped "4G") if DOS/4G installed
Note: Quarterdeck's DESQview/X X Toolkit library uses this call to determine
    whether the direct-mapped linear 4GB segment's selector is 34h or 38h
SeeAlso: INT 21/AH=FFh/DH=00h"DOS/4GW"
-----E-21FF--DH02-----
INT 21 UP - Rational Systems DOS/4GW - SET ???
    AH = FFh
    DH = 02h
    DL = ???
Return: CF clear
-----E-21FF--DH05-----
INT 21 UP - Rational Systems DOS/4GW - ???
    AH = FFh
    DH = 05h
    BX = ???
Return: ???
-----E-21FF--DH06-----
INT 21 UP - Rational Systems DOS/4GW - ???
    AH = FFh
    DH = 06h
    BX = ???
Return: ???
-----E-21FF--DH07-----
INT 21 UP - Rational Systems DOS/4GW - ???
    AH = FFh
    DH = 07h
    BX = ???
Return: ???
-----E-21FF--DH08-----
INT 21 UP - Rational Systems DOS/4GW - ???
    AH = FFh
    DH = 08h
```

```
BX = ???
CX = ???
ES = ???
Return: ???
-----E-21FF--DH09-----
INT 21 UP - Rational Systems DOS/4GW - GET ???
  AH = FFh
  DH = 09h
Return: ES:BX -> ???
-----E-21FF--DH0A-----
INT 21 UP - Rational Systems DOS/4GW - ???
  AH = FFh
  DH = 0Ah
  AL = ???
  BX = ???
  CX = ???
Return: ES = ??? or 0000h
-----E-21FF--DH0B-----
INT 21 UP - Rational Systems DOS/4GW - ???
  AH = FFh
  DH = 0Bh
  AL = ???
  BX = ???
  CX = ???
Return: ???
-----E-21FF--DH0C-----
INT 21 UP - Rational Systems DOS/4GW - GET/SET ???
  AH = FFh
  DH = 0Ch
  DL = ??? (00h or 01h)
Return: CF clear if successful
  AL = previous value of ???
  CF set on error (DL out of range)
  AX = FFFFh
-----E-21FF--DH0D-----
INT 21 UP - Rational Systems DOS/4GW - ???
  AH = FFh
  DH = 0Dh
  ???
Return: ???
-----E-21FF--DH0E-----
```

INT 21 UP - Rational Systems DOS/4GW - ???

AH = FFh

DH = 0Eh

Return: DX:AX -> XBRK structure (see #00508 at INT 15/AX=BF02h)

BX = ???

CX = ???

SeeAlso: INT 15/AX=BF02h

-----E-21FF--DH0F-----

INT 21 UP - Rational Systems DOS/4GW - ???

AH = FFh

DH = 0Fh

???

Return: ???

-----E-21FF--DH10-----

INT 21 UP - Rational Systems DOS/4GW - ???

AH = FFh

DH = 10h

AL = ???

BX = ???

CX = ???

DI = ???

SI = ???

Return: ???

Note: among other things, frees two memory blocks via INT 21/AH=49h

-----E-21FF--DH11-----

INT 21 UP - Rational Systems DOS/4GW - NOP

AH = FFh

DH = 11h

-----E-21FF--DH12-----

INT 21 UP - Rational Systems DOS/4GW - EXCHANGE ??? POINTERS

AH = FFh

DH = 12h

DS:SI -> new ???

ES:DI -> new ???

Return: DS:SI -> previous ???

ES:DI -> previous ???

-----E-21FF--DH13-----

INT 21 UP - Rational Systems DOS/4GW - ???

AH = FFh

DH = 13h

AL = ???

```
ES = ???
Return: ???
-----E-21FF--DH14-----
INT 21 UP - Rational Systems DOS/4GW - ???
  AH = FFh
  DH = 14h
  BX = ???
  CX = ???
Return: CF clear
  AX = ???
  DX = ???
-----E-21FF--DH15-----
INT 21 UP - Rational Systems DOS/4GW - GET ??? FUNCTIONS
  AH = FFh
  DH = 15h
Return: CF clear
  DX:AX -> FAR function for ???
  CX:BX -> FAR function for ???
  SI:DI -> FAR function for ???
-----E-21FF--DH16-----
INT 21 UP - Rational Systems DOS/4GW - GET ???
  AH = FFh
  DH = 16h
Return: AX = ???
-----E-21FF--DH17-----
INT 21 UP - Rational Systems DOS/4GW - ???
  AH = FFh
  DH = 17h
  AL = ???
  DL = ???
Return: ???
-----N-21FF00-----
INT 21 - TopWare Network OS v5.10+ - GET SYSTEM INFORMATION
  AX = FF00h
  CL = what to get
    00h user information (see #02528)
    01h drive mapping (see #02529)
    02h printer server(s)
    05h local DOS drive number
Return: ES:BX -> desired information
Program: TopWare Network Operating System is manufactured by Grand Computer
```

Company

Note: this call is only supported on Workstations, not on the server

SeeAlso: AX=FF04h,INT 2F/AX=FF00h

Format of TopWare user information:

Offset Size Description (Table 02528)

00h BYTE node ID
01h 15 BYTES user name
10h WORD user number
12h BYTE group number

Format of TopWare drive mapping [array]:

Offset Size Description (Table 02529)

00h BYTE bits 6-0: drive number (1=A:, etc.)
bit 7: this is a server drive
01h 3 BYTES mapping drive (for example, "C:\")
04h 64 BYTES current directory

-----E-21FF00DX0078-----

INT 21 - Rational Systems DOS/4G - INSTALLATION CHECK

AX = FF00h
DX = 0078h

Return: AL <> 00h if installed

GS = segment of kernel if nonzero

SeeAlso: INT 15/AX=BF02h

-----v-21FF01-----

INT 21 - VIRUS - "Drop" - INSTALLATION CHECK

AX = FF01h

Return: AX = 01FFh if resident

SeeAlso: AH=FEh"VIRUS",AX=FF0Fh"FLU_SHOT"

-----N-21FF04-----

INT 21 - TopWare Network OS v5.10+ - GET/SET DEFAULT FILE PROTECTION ATTRIBS

AX = FF04h
CL = function

00h get protections

Return: BH = read attribute

BL = write attribute

01h set protections

BH = read attribute

BL = write attribute

Note: this function is supported only on Workstations, not on the server

SeeAlso: AX=FF00h"TopWare"

-----v-21FF0F-----

INT 21 - FLU_SHOT+ v1.83 - INSTALLATION CHECK

AX = FF0Fh

Return: AX = 0101h if resident

Program: FLU_SHOT+ is an antivirus/antitrojan program by Ross M. Greenberg and
Software Concepts Design

Note: the "PSQR/1720" virus calls this function to determine whether
FLU_SHOT+ is present

SeeAlso: AH=FFh"VIRUS",AX=FF10h"VIRUS"

-----v-21FF10-----

INT 21 - VIRUS - "Twins" - INSTALLATION CHECK

AX = FF10h

Return: AL = 07h if resident

SeeAlso: AX=FF0Fh,AX=FFFEh

-----N-21FF80DHFF-----

INT 21 - TopWare Network OS v5.10+ - SEND MESSAGE

AX = FF80h

DH = FFh

DL = destination address (FFh for broadcast)

CX = message length (max 2000)

DS:SI -> message to be sent (see #02530)

Return: nothing

Program: TopWare Network Operating System is manufactured by Grand Computer
Company

Notes: this function is supported on both Workstations and the server
there is no guarantee that the message will be received correctly, or
at all, by the destination

Format of TopWare message:

Offset Size Description (Table 02530)

00h BYTE type code

07h TopSend

11h user application

other reserved for TopWare

01h var data

Note: sending messages with a type code other than 11h will cause
unpredictable results

-----N-21FF82-----

INT 21 - TopWare Network OS v5.10+ - GET STATION ADDRESS

AX = FF82h

Return: AL = station address

Note: this function is supported on both Workstations and the server

SeeAlso: AX=FF91h

-----N-21FF8C-----

INT 21 - TopWare Network OS v5.10+ - GET STATUS OF TopShow/Emulated FUNCTION

AX = FF8Ch

BL = subfunction

00h get TopShow status

FFh get Emulated status

Return: AL = status

00h not installed

01h already installed

-----N-21FF8D-----

INT 21 - TopWare Network OS v5.10+ - CALL TopShow FUNCTION

AX = FF8Dh

CH = monochrome flag (01h monochrome, 00h not monochrome)

CL = screen mode of station to be viewed (see #02531)

BL = graphic page number for monochrome

Return: AL = status (00h successful, else failed)

SeeAlso: AX=FF8Eh,AX=FFCFh

(Table 02531)

Values for TopWare screen mode:

00h text mode

01h 720x348

02h 640x408

03h 720x352

04h 640x390

05h reserved

-----N-21FF8E-----

INT 21 - TopWare Network OS v5.10+ - CANCEL TopShow FUNCTION

AX = FF8Eh

Return: AL = 00h (successful, TopShow removed)

SeeAlso: AX=FF8Dh

-----N-21FF91-----

INT 21 - TopWare Network OS v5.10+ - GET FILE SERVER STATION NUMBER

AX = FF91h

Return: AL = station number of file server

SeeAlso: AX=FF82h

-----N-21FF97-----

INT 21 - TopWare Network OS v5.10+ - GET MAXIMUM STATION NUMBER (server only)

AX = FF97h

Return: AL = maximum station number

SeeAlso: AX=FF98h

-----N-21FF98-----

INT 21 - TopWare Network OS v5.10+ - GET MAXIMUM FILE NUMBER (server only)

AX = FF98h

Return: AL = maximum file

SeeAlso: AX=FF97h

-----N-21FF9A-----

INT 21 - TopWare Network OS v5.10+ - RECEIVE OF USER-DEFINED PACKETS

AX = FF9Ah

ES:BX -> buffer for user-defined packet (see #02532)

Return: nothing

Format of TopWare user-defined packet:

Offset Size Description (Table 02532)

00h BYTE FFh

01h WORD (call) length of data field plus 3

(ret) length of received message (0000h if none received)

03h BYTE destination ID (FFh for broadcast message)

04h BYTE sending station ID

05h BYTE type code (11h; all other codes reserved for TopWare)

06h N BYTES received message

-----N-21FF9F-----

INT 21 - TopWare Network OS v5.10+ - ENABLE/DISABLE TopTerm SERVICE

AX = FF9Fh

CL = new state (00h disable [disregard TopTerm packets], 01h enable)

Return: AL = status (00h successful, FFh failed)

Note: this function is only supported by Workstations, not the server

-----N-21FFB0-----

INT 21 - TopWare Network OS v5.10+ - GET SPOOLER PRINTING PRIORITY

AX = FFB0h

Return: AL = priority status (see #02533)

SeeAlso: AX=FFB1h

Bitfields for TopWare printer priority status:

Bit(s) Description (Table 02533)

2 LPT3 has high priority

1 LPT2 has high priority

0 LPT1 has high priority

-----N-21FFB1-----

INT 21 - TopWare Network OS v5.10+ - SET SPOOLER PRINTING PRIORITY

AX = FFB1h
CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)
CH = new priority (00h normal, 01h high)

Return: nothing

SeeAlso: AX=FFB0h

-----N-21FFB3-----

INT 21 - TopWare Network OS v5.10+ - GET DEFAULT START-OF-JOB FORMFEED STATUS

AX = FFB3h

Return: AL = starting formfeed status (see #02534)

SeeAlso: AX=FFB4h,AX=FFC0h

Bitfields for TopWare printer start-of-job formfeed status:

Bit(s) Description (Table 02534)

2 LPT3 has formfeed enabled
1 LPT2 has formfeed enabled
0 LPT1 has formfeed enabled

-----N-21FFB4-----

INT 21 - TopWare Network OS v5.10+ - SET DEFAULT START-OF-JOB FORMFEED STATUS

AX = FFB4h

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CH = new formfeed status (00h off, 01h on)

Return: nothing

SeeAlso: AX=FFB3h,AX=FFC1h

-----N-21FFBB-----

INT 21 - TopWare Network OS v5.10+ - GET PRINTER SERVER STATION ADDRESS

AX = FFBBh

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

Return: AL = current mapping printer server station number

00h if local

SeeAlso: AX=FFBCh

-----N-21FFBC-----

INT 21 - TopWare Network OS v5.10+ - CANCEL TopShow FUNCTION

AX = FFBCCh

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CL = printer server station address or 00h for local printer

Return: AL = status (00h successful, else failed)

SeeAlso: AX=FFBBh

-----N-21FFBD-----

INT 21 - TopWare Network OS v5.10+ - GET CURRENT AUTOPRINT TIME

AX = FFBDh

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

Return: AX = current AutoPrint timeout in clock ticks

SeeAlso: AX=FFBEh

-----N-21FFBE-----

INT 21 - TopWare Network OS v5.10+ - SET AUTOPRINT TIME

AX = FFBEh

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

BX = timeout in clock ticks

SeeAlso: AX=FFBDh

-----N-21FFBF-----

INT 21 - TopWare Network OS v5.10+ - GET LOGON USER INFORMATION

AX = FFBFh

DX:BX -> buffer for logon information (see #02535)

Return: AL = status (00h successful, else failed)

AH = number of logged-in stations

Format of TopWare logon information:

Offset Size Description (Table 02535)

00h BYTE station address

01h 15 BYTES username

-----N-21FFC0-----

INT 21 - TopWare Network OS v5.10+ - GET DEFAULT END-OF-JOB FORMFEED STATUS

AX = FFC0h

Return: AL = ending formfeed status (see #02536)

SeeAlso: AX=FFB3h,AX=FFC1h

Bitfields for TopWare printer end-of-job formfeed status:

Bit(s) Description (Table 02536)

2 LPT3 has formfeed enabled

1 LPT2 has formfeed enabled

0 LPT1 has formfeed enabled

-----N-21FFC1-----

INT 21 - TopWare Network OS v5.10+ - SET DEFAULT END-OF-JOB FORMFEED STATUS

AX = FFC1h

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CH = new formfeed status (00h off, 01h on)

Return: nothing

SeeAlso: AX=FFB4h,AX=FFC0h

-----N-21FFC2-----

INT 21 - TopWare Network OS v5.10+ - GET DEFAULT COPIES OF SPOOLING FILE

AX = FFC2h

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

Return: AL = default number of copies printed

SeeAlso: AX=FFC7h

-----N-21FFC3-----

INT 21 - TopWare Network OS v5.10+ - GET SHARING STATUS OF PRINTER SERVER

AX = FFC3h

Return: AL = sharing status of printers (see #02537)

FFh if not a printer server

Bitfields for TopWare printer sharing status:

Bit(s) Description (Table 02537)

2 LPT3 is shared

1 LPT2 is shared

0 LPT1 is shared

-----N-21FFC4-----

INT 21 - TopWare Network OS v5.10+ - GET/SET LPT PORT ON PRINT SERVER

AX = FFC4h

BL = subfunction

00h get

Return: AL = mapped printer port on print server

01h set

CL = network printer port (00h LPT1, 01h LPT2, 02h LPT3)

CH = local printer (00h LPT1, 01h LPT2, 02h LPT3)

-----N-21FFC6-----

INT 21 - TopWare Network OS v5.10+ - SET DEFAULT PRINT FILE HEADER

AX = FFC6h

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CL = header state (00h off, 01h on)

SeeAlso: AX=FFC8h

-----N-21FFC7-----

INT 21 - TopWare Network OS v5.10+ - SET DEFAULT PRINT COPIES

AX = FFC7h

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CL = new default number of copies to print

SeeAlso: AX=FFC2h

-----N-21FFC8-----

INT 21 - TopWare Network OS v5.10+ - GET DEFAULT PRINT FILE HEADER STATUS

AX = FFC8h

Return: AL = header status for printers (see #02538)

SeeAlso: AX=FFC6h

Bitfields for TopWare print header status:

Bit(s) Description (Table 02538)

2 LPT3 has headers enabled
1 LPT2 has headers enabled
0 LPT1 has headers enabled

-----N-21FFC9-----

INT 21 - TopWare Network OS v5.10+ - SET PRINTER SHARING

AX = FFC9h

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CL = new sharing state (00h off, 01h on)

Return: AL = status (00h successful, FFh not printer server)

-----N-21FFCA-----

INT 21 - TopWare Network OS v5.10+ - MOVE FILE FROM ONE PRINT SERVER TO ANOTHER

AX = FFCAh

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CL = original printer server station address

BL = target printer server station address

DS:DX -> filename (12 bytes)

Return: AL = status (00h successful, else failed)

SeeAlso: AX=FFCBh

-----N-21FFCB-----

INT 21 - TopWare Network OS v5.10+ - DELETE FILE FROM SPOOLING QUEUE

AX = FFCBh

CH = printer number (00h LPT1, 01h LPT2, 02h LPT3)

CL = printer server station address

DS:DX -> filename (12 bytes)

Return: AL = status (00h successful, else failed)

SeeAlso: AX=FFCAh

-----N-21FFCC-----

INT 21 - TopWare Network OS v5.10+ - GET PRINT SERVER'S SPOOLING QUEUE STATUS

AX = FFCCh

CL = printer server station address

BH = start item number of spooling file for print server

BL = number of the item to be retrieved

DS:DX -> buffer for queued file information (see #02539)

Return: AL = status

00h successful

AH = number of spool files

DS:DX buffer filled

nonzero failed

Format of TopWare queued file information buffer [16-item array, one element]:

Offset Size Description (Table 02539)

00h 12 BYTES filename
0Ch DWORD size
10h WORD date
12h WORD time
14h 15 BYTES username
23h BYTE count
24h BYTE flag: header
25h BYTE print number

-----N-21FFCD-----

INT 21 - TopWare Network OS v5.10+ - GET STATUS OF ALL PRINT SERVERS

AX = FFCDh

DS:DX -> buffer for server status (see #02540)

Return: AL = status

00h successful

AH = number of print servers

nonzero failed

Format of TopWare server status:

Offset Size Description (Table 02540)

00h BYTE station address
01h 15 BYTES username
10h BYTE flag: 01h printer is shared, 00h sharing disabled
11h BYTE number of files pending in queue

-----N-21FFCF-----

INT 21 - TopWare Network OS v5.10+ - CALL TopLook FUNCTION

AX = FF CFh

DH = page number (0-2, 2 is text mode)

DL = type

00h look at specific screen

01h AutoLook on

FFh AutoLook off

BH = station number wishing to look

BL = station number to be looked at

CH = monochrome flag (01h monochrome, 00h not monochrome)

CL = screen mode (see #02531)

Return: AL = status (00h successful, nonzero failed)

SeeAlso: AX=FF8Dh

-----N-21FFD6-----

INT 21 - TopWare Network OS v5.10+ - GET KEYCARD SERIAL NUMBER AND MAX USERS

AX = FFD6h

```
ES:BX -> 12-byte buffer for keycard serial number
Return: CX = maximum number of users
ES:BX buffer filled
-----N-21FFD7-----
INT 21 - TopWare Network OS v5.10+ - GET NETWORK PROTECTION ATTRIBUTES STATUS
AX = FFD7h
Return: AL = status (00h disabled, 01h enabled)
-----N-21FFE3DL00-----
INT 21 - TopWare Network OS v5.10+ - INITIATE ACCESS TO SPECIFIC PACKET TYPE
AX = FFE3h
DL = 00h
BX = packet type for Ethernet header (IP = 0800h, ARP = 0806h, etc.)
ES:DI -> receive routine (see #02542)
Return: CF clear if successful
AX = handle number
CF set on error
DH = error code (03h,05h,09h,0Ah,11h) (see #02541)
SeeAlso: AX=FFE3h/DL=01h
```

(Table 02541)

Values for TopWare error code:

```
01h invalid handle
03h no interfaces of the specified type found
05h bad packet type
09h insufficient space
0Ah type already being accessed
0Ch unable to send packet (usually hardware error)
11h invalid function
```

(Table 02542)

Values TopWare receive routine is called with:

```
AX = function
0000h request packet buffer
CX = packet size
Return: ES:DI -> buffer or 0000h:0000h to discard packet
0001h packet copied
CX = packet size
DS:SI -> copied packet (same as returned ES:DI above)
```

```
-----N-21FFE3DL01-----
INT 21 - TopWare Network OS v5.10+ - END ACCESS TO SPECIFIC PACKET TYPE
AX = FFE3h
```

```
DL = 01h
BX = handle returned by AX=FFE3h/DL=00h
Return: CF clear if successful
CF set on error
DH = error code (01h,11h) (see #02541)
Note: the specified access handle will no longer be valid after this call
SeeAlso: AX=FFE3h/DL=00h
-----N-21FFE3DL02-----
INT 21 - TopWare Network OS v5.10+ - SEND PACKET
AX = FFE3h
DL = 02h
CX = length of data buffer
DS:SI -> buffer containing data
Return: CF clear if successful
CF set on error
DH = error code (0Ch,11h) (see #02541)
-----N-21FFE3DL03-----
INT 21 - TopWare Network OS v5.10+ - GET LOCAL NETWORK INTERFACE ADDRESS
AX = FFE3h
DL = 03h
ES:DI -> 6-byte buffer for address
SeeAlso: AX=FFE3h/DL=00h
-----v-21FFFE-----
INT 21 - VIRUS - "08/15"/"Many Fingers" - INSTALLATION CHECK
AX = FFFEh
Return: AX = 0815h if resident
SeeAlso: AX=FF10h,AX=FFFEh/BX=0000h
-----v-21FFFE BX0000-----
INT 21 - VIRUS - "Anti-Thunderbyte/LEMMING" - INSTALLATION CHECK
AX = FFFEh
BX = 0000h
Return: BX = FFFFh if resident
SeeAlso: AX=FFFEh,AX=FFFFh
-----v-21FFFF-----
INT 21 - VIRUS - "Ontario", "Year 1992"/"B1M92" - INSTALLATION CHECK
AX = FFFFh
Return: AX = 0000h if "Ontario" resident
AX = 1992h if "Year 1992"/"B1M92" resident
SeeAlso: AX=FF0Fh,AX=FFFFh/CX=0000h,INT 6B"VIRUS"
-----v-21FFFFCX0000-----
INT 21 - VIRUS - "Revenge" - INSTALLATION CHECK
```


AX = FFFFh

CX = 0000h

Return: CX = 0006h if resident

SeeAlso: AX=FFFFh,INT 6B"VIRUS"

-----D-22-----

INT 22 - DOS 1+ - PROGRAM TERMINATION ADDRESS

Desc: this vector specifies the address of the routine which is to be given control after a program is terminated; it should never be called directly, since it does not point at an interrupt handler

Notes: this vector is restored from the DWORD at offset 0Ah in the PSP during termination, and then a FAR JMP is performed to the address in INT 22 normally points at the instruction immediately following INT 21/AH=4Bh call which loaded the current program

SeeAlso: INT 20,INT 21/AH=00h,INT 21/AH=31h,INT 21/AH=4Ch

-----G-22-----

INT 22 - CONTROL HOSTESS i/ISA DEBUGGER - CHANGE FIRMWARE DEBUGGING PORT

AL = new firmware debugging port

Return: ???

SeeAlso: INT 21"CONTROL",INT 23"CONTROL"

-----D-23-----

INT 23 - DOS 1+ - CONTROL-C/CONTROL-BREAK HANDLER

---DOS 1.x---

Return: AH = 00h abort program

if all registers preserved, restart DOS call

---DOS 2+---

CF clear

Return: all registers preserved

return via RETF with CF set or (MS-DOS 1,DR DOS) RETF 2 with CF set

DOS will abort program with errorlevel 0

else (RETF/RETF 2 with CF clear or IRET with CF ignored)

interrupted DOS call is restarted

Notes: this interrupt is invoked whenever DOS detects a ^C or ^Break; it should never be called directly

MS-DOS 1.25 also invokes INT 23 on a divide overflow (INT 00)

MS-DOS remembers the stack pointer before calling INT 23, and if it is not the same on return, pops and discards the top word; this is what permits a return with RETF as well as IRET or RETF 2

MS-DOS 2.1+ ignores the returned CF if SP is the same on return as it was when DOS called INT 23, so RETF 2 will not terminate the program

Novell DOS 7 always pops a word if CF is set on return, so one should not return with RETF 2 and CF set or IRET with the stored flags' CF

set

any DOS call may safely be made within the INT 23 handler, although
the handler must check for a recursive invocation if it does
call DOS

SeeAlso: INT 1B,INT 21/AH=92h"PTS-DOS"

-----G-23-----

INT 23 - CONTROL HOSTESS i/ISA DEBUGGER - GET CONFIGURATION INFORMATION

AL = query type

00h get old config map

Return: AX = old config map

01h get dual-ported RAM map

Return: BX:AX = dual-ported RAM map

02h get SCC port map

Return: BX:AX = SCC port map

SeeAlso: INT 22"CONTROL",INT 26"CONTROL"

-----D-24-----

INT 24 C - DOS 1+ - CRITICAL ERROR HANDLER

Notes: invoked when a critical (usually hardware) error is encountered by DOS
(see #02543); should never be called directly

when DOS terminates a program, it copies the previous value of the
INT 24 vector out of the PSP (see #01378) and into the interrupt
vector table

SeeAlso: INT 21/AH=95h,INT 21/AH=59h/BX=0000h,INT 21/AH=92h"PTS-DOS"

(Table 02543)

Values critical error handler is called with:

AH = type and processing flags (see #02544)

AL = drive number if AH bit 7 clear

BP:SI -> device driver header (see #01646 at INT 21/AH=52h)

(BP:[SI+4] bit 15 set if character device)

DI low byte contains error code if AH bit 7 set (see #02545)

STACK: DWORD return address for INT 24 call

WORD flags pushed by INT 24

WORD original AX on entry to INT 21

WORD BX

WORD CX

WORD DX

WORD SI

WORD DI

WORD BP

WORD DS

WORD ES

DWORD return address for INT 21 call

WORD flags pushed by INT 21

Return: AL = action code (see #02546)

SS,SP,DS,ES,BX,CX,DX preserved

Notes: the only DOS calls the handler may make are INT 21/AH=01h-0Ch, 30h, 59h

if the handler returns to the application by popping the stack, DOS

will be in an unstable state until the first call with AH > 0Ch

for DOS 3.1+, IGNORE (AL=00h) is turned into FAIL (AL=03h) on network

critical errors

if IGNORE specified but not allowed, it is turned into FAIL

if RETRY specified but not allowed, it is turned into FAIL

if FAIL specified but not allowed, it is turned into ABORT

(DOS 3.0+) if a critical error occurs inside the critical error

handler, the DOS call is automatically failed (AL set to 03h and

the INT 24 call skipped)

The initial critical error handler is located in the kernel and

always results in FAIL. However, by default it is replaced by

the critical error handler in the command interpreter when it

loads. This can be suppressed (e.g. for BBS systems) by loading

the primary DOS 3.00+ COMMAND.COM shell with the undocumented

option /F 'Fail'. This syntax is also supported with PTS/DOS 6.51+,

S/DOS 1.0+, and DR-OpenDOS 7.02+ (1997-11-13) COMMAND.COM, as well

as 4DOS.COM/NDOS.COM. OpenDOS 7.01+ COMMAND.COM (1997-03-21)

introduced this under /N, which is still supported by newer releases

(although it has a slightly different meaning now).

BUG: DR DOS COMMAND.COM before 1998-05-07 caused incorrect error messages

to occur if the error code had a non-zero MSB (e.g. NWCDEX's

"IO error reading from device" instead of the correct

"not ready error"). This was fixed with the DR-OpenDOS 7.03

COMMAND.COM now passing the full error code to any critical error

handlers.

Bitfields for critical error type and processing flags:

Bit(s) Description (Table 02544)

7 class

=0 disk I/O error

=1 -- if block device, bad FAT image in memory

-- if char device, error code in DI

6 unused

5 Ignore allowed (DOS 3.0+)

4 Retry allowed (DOS 3.0+)
3 Fail allowed (DOS 3.0+)
2-1 disk area of error
00 = DOS area 01 = FAT
10 = root dir 11 = data area
0 set if write, clear if read

Note: Abort is always allowed

SeeAlso: #02545,#02546

(Table 02545)

Values for critical error code:

00h	(0)	write-protection violation attempted
01h	(1)	unknown unit for driver
02h	(2)	drive not ready
03h	(3)	unknown command given to driver
04h	(4)	data error (bad CRC)
05h	(5)	bad device driver request structure length
06h	(6)	seek error
07h	(7)	unknown media type (non-DOS disk)
08h	(8)	sector not found
09h	(9)	printer out of paper
0Ah	(10)	write fault
0Bh	(11)	read fault
0Ch	(12)	general failure
0Dh	(13)	(DOS 3.0+, "multitasking" DOS, PTS-DOS & S/DOS) sharing violation
0Eh	(14)	(DOS 3.0+) lock violation
0Fh	(15)	invalid disk change / wrong disk
10h	(16)	(DOS 3.0+) FCB unavailable
10h	(16)	uncertain media
11h	(17)	(DOS 3.0+) sharing buffer overflow
11h	(17)	character call interrupted
12h	(18)	(DOS 4.0+) code page mismatch
13h	(19)	(DOS 4.0+) out of input
14h	(20)	(DOS 4.0+) insufficient disk space

Note: Critical error codes 00h..0Ch are the traditional codes reported through INT 24. These code assignments are mapped to error codes 13h..1Fh reported by INT21/AH=59h (see #01680). Similarly, the DOS 3.x critical error codes 0Dh..11h are mapped to INT21/AH=59h error codes 20h..24h, however, the DOS 4.0+ critical error codes are not mapped.

BUG: Paragon Technology Systems' S/DOS 1.0 sources (a stripped down issue

of PTS-DOS 6.51 with sources on CD) erroneously list DOS INT 24 error codes 12h..14h as 11h..13h, however, since the sources do not make use of these defines, this seems to be only a documentation error.

SeeAlso: #02544,#02546,#01680

(Table 02546)

Values for critical error handler action code:

- 00h ignore error and continue processing request
- 01h retry operation
- 02h terminate program as though INT 21/AH=4Ch called (INT 20h for DOS 1.x)
- 03h fail system call in progress (DOS 3+)

SeeAlso: #02544,#02546

-----D-25-----

INT 25 - DOS 1+ - ABSOLUTE DISK READ (except partitions > 32M)

AL = drive number (00h = A:, 01h = B:, etc)
CX = number of sectors to read (not FFFFh)
DX = starting logical sector number (0000h - highest sector on drive)
DS:BX -> buffer for data

Return: CF clear if successful

CF set on error
AH = status (see #02547)
AL = error code (same as passed to INT 24 in DI)
AX = 0207h if more than 64K sectors on drive -- use new-style call
may destroy all other registers except segment registers

Notes: original flags are left on stack, and must be popped by caller
this call bypasses the DOS filesystem

examination of CPWIN386.CPL indicates that if this call fails with error 0408h on an old-style (<32M) call, one should retry the call with the high bit of the drive number in AL set

Novell DOS 7 decides whether the old-style or new-style (>32M) version of INT 25 must be used solely on the basis of the partition's size, thus forcing use of the new-style call even for data in the first 32M of the partition

PC Tools MIRROR as shipped with MS-DOS 5.0+ checks several signatures at the beginning of INT 25h and INT 26h before it starts to patch these vectors. The signatures it looks for are 83h, F9h, FFh, 74h (CMP CX,-01; JZ ????) at offset +1 from the INT 25h/26h entry points and 2Eh, FFh, 2Eh (JMP DWORD PTR CS:[????]) at the location pointed to by the JZ ????. If it finds these signatures it will use the target address of the far jump for its sub-sequent checks, otherwise

it will just take the previous interrupt entry points when scanning for FAh, 2Eh, 8Ch, 16h (CLI; MOV CS:????,SS) or FAh, 2Eh, 89h, 26h (CLI; MOV CS:????,SP) right at the beginning. Hence, it seems the first two checks are to trace through a specific INT 25h/26h filter. However, the purpose of the whole patch is unknown.

A method to detect the actual assignments of logical drive numbers to physical BIOS drive units (for example to detect the boot drive), is to temporarily mount an INT 13h handler recording the used DL drive unit for any INT 13/AH=02h read operations and discarding any attempts to access actual floppy drives. Then call INT 25h for all the appropriate DOS drives and watch the results recorded by the INT 13h interceptor.

Although all registers except segment registers may be destroyed some software depends on some of the registers being preserved. For example some Flash disk drivers requires that DX is not trashed. DR-DOS 7.03 takes care of this.

BUGS: DOS 3.1 through 3.3 set the word at ES:[BP+1Eh] to FFFFh if AL is an invalid drive number

DR DOS 3.41 will return with a jump instead of RETF, leaving the wrong number of bytes on the stack; use the huge-partition version (INT 25/CX=FFFFh) for all partition sizes under DR DOS 3.41

DR DOS 6.0 original issues 05/1991 & 08/1991 reported wrong error codes for "drive not ready" and "write protect". This was fixed with the DR DOS BDOS patch "PAT321" (1992/02/19, XDIR /C: 947Bh), and later "full" rebuilds (see INT 21/AX=4452h for details).

SeeAlso: INT 13/AH=02h,INT 25/CX=FFFFh,INT 26,INT 21/AX=7305h,INT 21/AH=90h"PTS"

(Table 02547)

Values for disk I/O status:

80h device failed to respond (timeout)
 40h seek operation failed
 20h controller failed
 10h data error (bad CRC)
 08h DMA failure
 04h requested sector not found
 03h write-protected disk (INT 26 only)
 02h bad address mark
 01h bad command

-----D-25----CXFFFF-----

INT 25 - DOS 3.31+ - ABSOLUTE DISK READ (32M-2047M hard-disk partition)

CX = FFFFh

AL = drive number (0=A, 1=B, etc)
 DS:BX -> disk read packet (see #02548)
 Return: CF clear if successful
 CF set on error
 AH = status (see #02547)
 AL = error code (same as passed to INT 24 in DI)
 AX = 0207h for FAT32 drive -- use INT 21/AX=7305h
 may destroy all other registers except segment registers; Win9X always
 sets SI to 0000h due to an apparent coding bug

Notes: partition is potentially >32M (and requires this form of the call) if
 bit 1 of the device attribute word in the device driver is set
 original flags are left on stack, and must be removed by caller
 this call bypasses the DOS filesystem
 for FAT32 drives (which may be up to 2TB in size), use INT 21/AX=7305h
 SeeAlso: INT 13/AH=02h, INT 25, INT 26/CX=FFFFh, INT 21/AX=7305h

Format of disk read packet:

Offset	Size	Description (Table 02548)
00h	DWORD	sector number
04h	WORD	number of sectors to read
06h	DWORD	transfer address

SeeAlso: #02552

-----k-25CDCD-----

INT 25 - Stacker - GET DEVICE DRIVER ADDRESS

AX = CDCDh
 DS:BX -> buffer for address (see #02549)
 CX = 0001h
 DX = 0000h

Return: AX = CDCDh if Stacker installed

DS:BX buffer filled

Note: not supported by Stacker Anywhere; to obtain the Stacker device
 driver address and to detect drives controlled by all versions
 of Stacker, INT 21/AX=4404h"Stacker" or lookup via the CDS and DPB
 should be preferred (see INT 21/AH=52h)

Stacker Anywhere does not link its built-in device driver into
 the standard device driver chain, but it can be found via CDS/DPB

SeeAlso: INT 21/AX=4404h"Stacker"

Format of Stacker v2+ driver address buffer:

Offset	Size	Description (Table 02549)
00h	WORD	signature CDCDh

02h WORD ??? 0001h
 04h DWORD pointer to Stacker signature at device driver offset 1Ah
 (see #02550)

Format of Stacker v2+ device driver:

Offset Size Description (Table 02550)

00h DWORD pointer to next driver, offset=FFFFh if last driver
 FFFFh:FFFFh for Stacker Anywhere
 04h WORD device attributes (see #01647,#01648)
 06h WORD device strategy entry point
 08h WORD device interrupt entry point
 0Ah BYTE number of subunits (drives) supported by driver
 0 for Stacker Anywhere
 0Bh 7 BYTES signature "STAC-CD" for Stacker and Stacker Anywhere
 12h 7 BYTES ???
 19h BYTE always = 01h ?? (Stacker Anywhere points here)
 1Ah WORD signature A55Ah (all other Stacker versions point here)
 1Ch WORD Stacker version * 64h
 0C8h = 200, 012Ch = 300, 0190h = 400 (also Stacker Anywhere)
 1Eh WORD offset of volume-specific information offset table
 (list of WORDs, one per drive, containing offsets to various
 information)
 20h 56 BYTES n/a
 58h BYTE volume number, set after INT 21/AX=4404h, INT 21/AX=4408h
 (use to index into volume-specific info offset table,
 should be set to FFh before and tested for change after)
 59h 19 BYTES n/a
 6Ch 4 BYTES ASCII string "SWAP"
 70h 26 BYTES drive mapping table (one byte for each drive A: through Z:)
 (only used for drives swapped by SSWAP.COM; other drives
 compressed by Stacker can be found with the standard device
 driver header signature (see INT 21/AH=52h)

---Stacker 4, Stacker Anywhere---

8Ah 40 BYTES ???
 B2h 4 BYTES ASCII string "SWP2"
 B6h 26 BYTES drive table ???
 D0h 150 BYTES ???
 166h 60 BYTES LZSINFO structure (see #02808 at INT 2F/AX=4A12h)

SeeAlso: #02551,#01646 at INT 21/AH=52h

Format of Stacker boot record:


```
Offset  Size  Description (Table 02551)
1F0h   8 BYTES Stacker signature (first byte is CDh)
1F8h  DWORD pointer to start of Stacker device driver
1FCh  WORD   Stacker volume number
1FEh  WORD   ???
SeeAlso: #02550
-----c-25---FFSI4358-----
INT 25 - PC-CACHE.SYS - INSTALLATION CHECK
    AL = FFh
    SI = 4358h
Return: SI = 6378h if installed
    CX = segment of device driver PC-CACHE.SYS
    DX = version (major in DH, minor in DL)
Program: PC-CACHE.SYS is a small device driver used by PC-Cache v5.x to obtain
    access to certain disk drivers for devices such as Bernoulli drives
SeeAlso: INT 13/AH=A0h
-----!---Section-----
```