

Tivoli Software Distribution

README

**CSD XR21925 for Windows NT[®], OS/2[®] and NetWare,
Version 3.1.3**

PTF U469697 for AIX, Version 3.1.4

To upgrade to Version 3.1.5

November 30, 2000

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README Text

This file (README.TXT) provides TME 10 Software Distribution, Version 3.1.5 information and limitations for the CSD XR21925 for Windows, OS/2 and NetWare platforms and for PTFs U469697, U474027, U474028, U474029, and U474050 for AIX.

The CSD upgrades TME 10 Software Distribution, Version 3.1.3 for Windows, OS/2 and NetWare to Version 3.1.5, while the PTFs upgrade TME 10 Software Distribution, Version 3.1.4 for AIX to Version 3.1.5.

Note: Certain characters in this file may not print correctly or at all, depending on your printer configuration, for example, the backslash (\), brackets ([]), the tilde (~) and the at symbol (@).

AIX Software

This README file contains information relevant to all supported operating systems. However, users should be aware that CSD XR21925 for Windows, OS/2 and NetWare is distributed on a separate CD-ROM to the PTF U469697 for AIX.

Coexistence with Other TME 10 Software Distribution Products

Currently, TME 10 Software Distribution, Version 3.1.5 cannot coexist on the same workstation with:

- NetFinity Server 4.0, or later
- SystemView for OS/2
- NetView Distribution Management Agent for Windows
- NetView Distribution Management Agent for Windows NT

What's New in This Release

Release 3.1.5 of TME 10 Software Distribution contains the following new or changed functionalities:

Support for New Platforms

TME 10 Software Distribution, Version 3.1.5 adds support for the following platforms:

- Windows 2000 (Professional and Server)
- Windows NT 4.0 (Service Pack 5 and 6a)
- OS/2, version 4.5 (Warp server for e-business)
- AIX, version 4.3.x

New Pristine Scenarios

TME 10 Software Distribution, Version 3.1.5 Client can be installed on a pristine workstation in the following environments:

- Windows 2000 Professional
- Windows 2000 Server
- Windows NT 4.0 Server/Workstation
- OS/2 4.5 (Warp Server for e-business)
- AIX 4.3.3

This is in addition to the following pristine installation environments, which are maintained from the previous release:

- Windows 3.1
- Windows 95
- Windows NT Version 3.51
- OS/2 3.0.x (Warp)

Complete Platform Support Table

Table 1 on page 4 shows details of the platforms on which TME 10 Software Distribution is available. The columns in the table contain the following information:

Server Scratch	Indicates whether the Server software can be installed from scratch. Scenarios describing how to carry out the scratch installations can be found in the relevant Quick Beginnings manuals.
Server Upgrade	Indicates which version of the TME 10 Software Distribution Server can be upgraded, by supplying a reference that can be looked up in Table 2 on page 5. Scenarios describing how to carry out the upgrade can be found in the README file.
Client Scratch	Indicates whether the Client software can be installed from scratch. Scenarios describing how to carry out the scratch installations can be found in the Client Installation and Customization manual.

Support for New Platforms

Client Pristine Indicates whether the Client software can be installed on a pristine workstation (i.e. a workstation with no operating system installed). Scenarios describing how to carry out the pristine installations can be found in the Pristine and Migration Scenarios manual or the Installation Scenarios for AIX manual.

Client Upgrade Indicates which version of which Client software can be upgraded, by supplying a reference that can be looked up in Table 2 on page 5. Scenarios describing how to carry out the upgrade can be found in the relevant README files.

<i>Table 1. TME 10 Software Distribution, Version 3.1.5 Platform Support</i>						
Platform		Server		Client		
OS	Version	Scratch	Upgrade	Scratch	Pristine	Upgrade
Windows	2000 Professional	Y		Y	Y	
	2000 Server	Y		Y	Y	
	NT 4.0 (SP5 & 6a)	Y	1	Y	Y	5
	NT 3.51	Y	1	Y	Y	5
	98			Y		6
	95			Y	Y	6
	3.11			Y	Y	7
OS/2	3.0x	Y	2	Y	Y	8, 11
	4.0	Y	2	Y		8, 11
	4.5 (Warp server for e-business)	Y		Y	Y	
AIX	3.2.5 - 4.2.1	Y	3	Y		9
	4.3.3	Y	3	Y	Y	9
NetWare	4.11 - 4.2x	Y	4	Y		10

Table 2 on page 5 shows the products (and versions) that can be upgraded to TME 10 Software Distribution, Version 3.1.5; the Reference column refers to Table 1.

Table 2. Products from which TME 10 Software Distribution, Version 3.1.5 can be upgraded

Reference (see Table 1)	Version installed	CSD or Fix Pack installed
TME 10 Software Distribution		
1	3.1.3 Server for Windows NT	XR21923
2	3.1.3 Server for OS/2	XR21923
3	3.1.4 Server for AIX	99/10
4	3.1.3 Server for NetWare	XR21924
5	3.1.3 Client for Windows NT	XR21923
6	3.1.3 Client for Windows 9x	XR21923
7	3.1.3 Client for Windows 3.1	XR21923
8	3.1.3 Client for OS/2	XR21923
9	3.1.4 Client for AIX	99/10
10	3.1.3 Client for NetWare	XR21924
NetView DM/2		
11	2.1	

Deletion of Pending Requests from Host

In the circumstances where TME 10 Software Distribution is executing software distribution requests from a focal point running Tivoli NetView Distribution Manager (NetView DM for MVS) Release 7, the MVS focal point can now issue a request to delete any distribution requests that are waiting to be processed or are being processed at the TME 10 Software Distribution server.

- In the case of a distribution request waiting to be processed, the original request will be deleted, and a report sent to the focal point confirming the deletion.
- In the case of a distribution request that is in execution when the deletion request arrives, the original request will be completed, and a report sent to the MVW focal point confirming the successful completion of the original request; no report concerning the unfulfilled deletion request will be sent.

In the case of nodes in a distribution network that are not running TME 10 Software Distribution, Version 3.1.5 (i.e. older versions of TME 10 Software Distribution or NetView DM/2) the deletion requests from the MVS focal point will be ignored.

This functionality runs in the background with no intervention required by the operator of the TME 10 Software Distribution server.

Note: As a consequence of this new functionality global names starting with `$DELETE.$PENDING` are reserved, and may not be used.

Changes to Statuses Reported by 'stattg'

Changes to Statuses Reported by 'stattg'

The `stattg` command gives details of the status of the agent at the local target. A new parameter has been added to the command to reveal additional information.

In the previous releases, and when used without the new parameter, the command reports these statuses:

<i>Available</i>	Agent running and ready to process a request
<i>Not Available</i>	Agent not running or not accessible
<i>Busy</i>	Agent running a request and not available to process any other request.

There are circumstances in which it is possible for the server to have in its database more than one workstation name for the same agent.

For example, if a workstation has been re-defined to the server for some reason, the operator may have supplied a different workstation name than that originally used, but have used the original hostname. In this event, the agent now has the new workstation name, but the server has both workstation names defined; prior to this release the agent reported itself as being *Available* under both workstation names.

With this release, by using the parameter `-c`, in the event that the agent is *Available* and not *Busy*, the command now returns the status *Unknown* if the hostname of the agent is correct but the workstation name in the status request does not match the workstation name of the agent. Thus, by using the `-c` parameter, polling both workstation names will allow you to identify which is the correct one, as one will return the status *Available* and the other *Unknown*. If the parameter is not used, the original functionality is maintained.

However, before using this parameter you should consider the question of the timing of the `stattg` requests. When an agent receives a `stattg` request it sends the status to the server but is then not immediately available to satisfy another request. This means that a second request, received within, say, one minute of the first request, will return the status *Not Available*. If you are polling two suspect workstation names you should wait for this period before sending the second request.

This also means that if you send a `stattg` request using the asterisk wildcard to obtain the status of all or a group of workstations, the results received will depend on whether the *incorrect* workstation name comes before or after the *correct* one in the server's database:

Incorrect workstation name is polled first

The status of the *incorrect* workstation name will be given as *Unknown*, while the *correct* workstation will give *Not Available*

Correct workstation name is polled first

The status of the *correct* workstation name will be given as *Available* while the *incorrect* workstation will give *Not Available*

Thus, after using the asterisk wildcard with the `-c` parameter, you should individually poll each workstation name given as *Not Available*, waiting for approximately one minute before issuing each command. Workstations that are genuinely unavailable will report the same status as before;

workstations that were unavailable while they were recovering from a previous stattg command will now report their true status.

The full details of the stattg command are given in *TME 10 Software Distribution Command Reference*, *TME 10 Software Distribution for NetWare Command Reference* and *TME 10 Software Distribution for AIX Reference*.

TME 10 Software Distribution CSD XR21925 for OS/2

This chapter of the README contains information relevant to systems running OS/2.

OS/2 Support and Limitations

On OS/2, you cannot use the `ls` and `lsdc` commands via TELNET remote session with TCP/IP 4.0, because the server stops.

Using TME 10 Software Distribution, Version 3.1.5 for OS/2 Client with Windows NT Server Multi processor via NetBIOS

If you use the TME 10 Software Distribution, Version 3.1.5 for OS/2 Client via NetBIOS on a less powerful workstation, you might experience connection problems. To avoid these problems, set the following variable in the `CONFIG.SYS` file:

```
set FNDNBOS2 = YES
```

Then restart the workstation.

Software Preparation GUI for OS/2 Available on OS/2 Warp 3.0, or Later

You can use the graphical user interface to software preparation for OS/2 only on OS/2 Warp 3.0, or later.

DiskCamera for OS/2 Available on OS/2 Warp 3.0, or Later

You can use DiskCamera for OS/2 only on OS/2 Warp 3.0, or later.

To use DiskCamera to install a change file, you must have the operating system installed in the same path on both the preparation site and target where you want to install the change file.

Using DiskCamera

If one of the three steps that you perform by using DiskCamera fails, delete the `\BIN\DSKCAM.TMP` file before using DiskCamera again.

Installation Scenarios for OS/2

This section explains how to use the CSD XR21925 to upgrade existing installations of TME 10 Software Distribution to Version 3.1.5, and to make scratch installations of TME 10 Software Distribution, Version 3.1.5. It requires that you have the licensed code images of TME 10 Software Distribution, Version 3.1.3. It is assumed that you will be using one OS/2 server as a Preparation Site and carrying out attended or unattended installations of servers and/or clients and/or mobile clients. If you have not already set up a server as a Preparation Site, you are strongly recommended to do so.

Installation Scenarios for OS/2

The details below describe how to prepare the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images on the Preparation Site, and then provide three scenarios for different types of upgrade/installation:

- Attended upgrade of TME 10 Software Distribution, Version 3.1.3 Server or Client to Version 3.1.5
- Attended installation of TME 10 Software Distribution, Version 3.1.5 Server or Client
- Unattended upgrade of TME 10 Software Distribution, Version 3.1.3 Server or Client to Version 3.1.5

General Assumptions: The following are assumed:

- The code images for TME 10 Software Distribution, Version 3.1.3 are stored on an OS/2 server, under the directory D:\CID\IMG\SD4OS2 (if this is not currently the case, the instructions for preparing the TME 10 Software Distribution, Version 3.1.5 code images show you how to set up the Version 3.1.3 images first).
- The OS/2 server is also used as the Preparation Site

Preparing the Code Images of TME 10 Software Distribution, Version 3.1.5 on the Preparation Site

Before carrying out any of the upgrade/installation scenarios it is necessary to upgrade the TME 10 Software Distribution Code Images at the Preparation Site to Version 3.1.5, creating them from scratch if necessary. This site can then be used as the base for executing the upgrade and installation scenarios described below.

If your Preparation Site is running a Windows, NetWare or AIX operating system, please see the other chapters of this Readme.

Prerequisites: For this preparation activity you require the CID code images for TME 10 Software Distribution, Version 3.1.3 on a preparation site workstation, or the TME 10 Software Distribution, Version 3.1.3 CD-ROM (LCD4-0491-01).

Uploading the Code Images: If the Preparation Site does not already contain the TME 10 Software Distribution, Version 3.1.3 code images, you should add them, as follows:

1. Place the TME 10 Software Distribution, Version 3.1.3 CD-ROM (LCD4-0491-01) in the CD-ROM drive
2. Create the D:\CID\IMG\SD4OS2 directory on the Preparation Site workstation
3. From this directory entering the following command:

```
XCOPY <CD-ROMdrive>\SD4OS2\*. * /s
```

To upload the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images to the preparation site:

1. Place the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 CD-ROM in the CD-ROM drive

2. Move to the D:\CID\IMG\SD4OS2 directory on the Preparation Site workstation
3. From this directory enter the following command:

```
XCOPY <XR21925-CD-ROMdrive>\SD4OS2\*. * /s
```

After completing this step, the following structure is created under the D:\CID\IMG directory:

```
D:\CID\IMG\ |
            | \<DIR>SD4OS2\ |
            | . |
            | .. |
            | \<DIR> PRISTINE |
            | \<DIR> SAMPLES |
            | \<DIR> TOOLS |
            | \<DIR> IMAGES\ |
            | . |
            | .. |
            | \<DIR> CLT |
            | \<DIR> DSKCAM |
            | EPFISINC.PKG |
            | INSTALL.EXE |
            | INSTALL.IN |
            | \<DIR> NETFIN |
            | \<DIR> MOB |
            | NVDMCAT.ICF |
            | NVDMSC.DSC |
            | NVMPKG.PKG |
            | \<DIR> PREPCLT |
            | \<DIR> PREPSRV |
            | SDISTCLT.RSP |
            | SRV |
            | tme10ipf.cmd |
            | tme10sd.adf |
            | tme10sd.mrf |
            | tme10sd.ndi |
            | tme10sd.var |
            | tme10v1.cmd |
```

Please note that this preparation stage has only upgraded the code images; you should now upgrade your servers and clients using one of the following scenarios.

Scenario 1: Attended Upgrade of TME 10 Software Distribution Server or Client

This scenario is used if you wish to upgrade TME 10 Software Distribution, Version 3.1.3 to Version 3.1.5 in an attended way on an OS/2 Server or Client workstation.

If your Server or Client workstation is running a Windows, NetWare or AIX operating system, please see the other chapters of this Readme.

Installation Scenarios for OS/2

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto an OS/2 Preparation Site in the D:\CID\IMG\SD4OS2 directory.
- The Server or Client workstations have TME 10 Software Distribution, Version 3.1.3 + XR21923 installed.
- The Server or Client workstations have a version of OS/2 installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for OS/2*).

Locating and Executing the Upgrade Scenarios: Before starting the installation, backup the existing installation of TME 10 Software Distribution on the server or client (you can do this simply by copying all files and subdirectories within the program folder to an alternate location on the system).

To install TME 10 Software Distribution, Version 3.1.5, use the D:\CID\IMG\SD4OS2\IMAGES directory as the source directory.

The server and client installation scenarios are described in the TME 10 Software Distribution, Version 3.1.5 documentation, but in both cases the instructions given in that documentation should be modified by the instructions given below. The scenarios are available as follows:

Server Upgrade

TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for OS/2

Client Upgrade

TME 10 Software Distribution, Version 3.1.5 Clients Installation and Configuration

These scenarios should be modified as follows:

1. The attended installation instructions require you to use the attended installation program (Install); after starting the program, select the checkbox marked 'Overwrite Files'.
2. A message box will appear confirming the presence of an existing Software Distribution installation and forcing you to keep the same product directory.
3. Next, you will need to select which components to install. One of the following is mandatory, depending on the type of installation:
 - The 'Distribution Server Component' for a server installation.
 - The 'Distribution Client Component' for a client installation.
 - The 'Distribution Mobile Client Component' for a mobile client installation.

Scenario 2: Attended Scratch Installation of TME 10 Software Distribution, Version 3.1.5 Server or Client

This scenario is used if you wish to install TME 10 Software Distribution, Version 3.1.5 Server or Client in an attended way on a scratch server or client workstation running OS/2, i.e. an OS/2 server or client workstation without any previous version of TME 10 Software Distribution installed.

If your server or client workstation is running a Windows, NetWare or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto an OS/2 Preparation Site in the D:\CID\IMG\SD4OS2 directory.
- The Server or Client workstations have a version of OS/2 installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for OS/2*).

Locating and Executing the Upgrade Scenarios: To upgrade/install TME 10 Software Distribution, Version 3.1.5, use the D:\CID\IMG\SD4OS2\IMAGES directory as the source directory.

The server and client installation scenarios are described in the TME 10 Software Distribution, Version 3.1.5 documentation, but in both cases the instructions given in that documentation should be modified by the instructions given below. The scenarios are available as follows:

Server Installation

TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for OS/2

Client Installation

TME 10 Software Distribution, Version 3.1.5 Clients Installation and Configuration

When executing these scenarios you will need to select which components to install. One of the following is mandatory, depending on the type of installation:

- The 'Distribution Server Component' for a server installation.
- The 'Distribution Client Component' for a client installation.
- The 'Distribution Mobile Client Component' for a mobile client installation.

Scenario 3: Unattended Upgrade of TME 10 Software Distribution Server or Client to Version 3.1.5

This scenario is used if you wish to install TME 10 Software Distribution, Version 3.1.5 in an unattended way on a server or client workstation with TME 10 Software Distribution, Version 3.1.3 Server or Client already installed.

If your server or client workstation is running a Windows, NetWare or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto an OS/2 Preparation Site in the D:\CID\IMG\SD4OS2 directory.
- The server or client workstation has TME 10 Software Distribution, Version 3.1.3 Server or Client, with XR21923 installed.

Installation Scenarios for OS/2

- The server or client workstation has a version of OS/2 installed which is compatible with TME 10 Software Distribution, Version 3.1.5

Preparing the Change File: Before commencing the upgrade it is advisable to backup the existing Server or Client installation to be upgraded. This can be achieved by instructing the operator of the server or client workstation to simply copy all files and subdirectories within the program folder to an alternate location on the system.

To update the TME 10 Software Distribution for OS/2 Server, Clients, and Mobile Clients to Version 3.1.5, use the CID change file profile and response files examples stored in the following directories:

D:\CID\IMG\SD4OS2\SAMPLES

Customize the client and server change file profiles examples by modifying the paths and the file names to match your environment.

Use the following CLIENT.PRO change file profile example stored on the D:\CID\IMG\SD4OS2\SAMPLES directory to build and install the TME 10 Software Distribution, Version 3.1.5 client:

```
GLOBAL NAME:      TME10.SD4OS2.OS2CLIENT.REF.315.US_EN
DESCRIPTION:      TME 10 SD Client for OS/2 3.1.5 - CSD XR21925
LOCAL NAME:       $(REPOSITORY)\clt315.csd
CHANGE FILE TYPE: OS2CID

PREREQ COMMAND:  cidmount SRVIFS $(FREEDRIVE2) $(FREEDRIVE3) ►
                  bichi distimg distlog
POSTREQ COMMAND: cidunmnt SRVIFS $(FREEDRIVE2) $(FREEDRIVE3)

INSTALL PROGRAM:
  PROGRAM NAME:   $(FREEDRIVE2)\SD4OS2\IMAGES\INSTALL.EXE
  PARAMETERS:     /S:$(FREEDRIVE2)\SD4OS2\IMAGES /R:$(RSPFILE) ►
                  /TU:$(BOOTDRIVE)\
                  /L1:$(FREEDRIVE3)\LOG\CLT\$(TARGET).L1
                  /L2:$(FREEDRIVE3)\LOG\CLT\$(TARGET).L2 /A:I /X
  RESPONSE FILE:  D:\CID\IMG\SD4OS2\SAMPLES\CLIENT.RSP
```

Use the following SERVER.PRO change file example stored on the D:\CID\IMG\SD4OS2\SAMPLES directory, to install the TME 10 Software Distribution, Version 3.1.5 server:

```
GLOBAL NAME:      TME10.SD40S2.OS2SERVER.REF.315.US_EN
DESCRIPTION:      TME 10 SD Server for OS/2 3.1.5 - CSD XR21925
LOCAL NAME:       $(REPOSITORY)\srv315.csd
CHANGE FILE TYPE: OS2CID
```

```
INSTALL PROGRAM:
PROGRAM NAME:     D:\CID\IMG\SD40S2\IMAGES\INSTALL.EXE
PARAMETERS:       /S:D:\CID\IMG\SD40S2\IMAGES /R:$(RSPFILE) ►
                  /TU:$(BOOTDRIVE)\
                  /L1:D:\CID\IMG\LOG\SRV\$(TARGET).L1
                  /L2:D:\CID\IMG\LOG\SRV\$(TARGET).L2 /A:I /X
RESPONSE FILE:    D:\CID\IMG\SD40S2\SAMPLES\SERVER.RSP
```

On the TME 10 Software Distribution, Version 3.1.3 server, enter the start command to start the TME 10 Software Distribution, Version 3.1.3 command line interface if the product has not yet started, as follows:

```
nvdms start
```

Check whether the server and the client response files contain the components you want to update, and modify them if needed.

Use the TME 10 Software Distribution for OS/2 command line interface to enter the following command for each change file profile you want to build:

```
nvdms bld D:\CID\IMG\SD40S2\SAMPLES\SERVER.PRO
```

```
nvdms bld D:\CID\IMG\SD40S2\SAMPLES\CLIENT.PRO
```

Step 1: Installing the Cataloged Change File for the Server: To install the server change file (cataloged in “Step 1: Installing the Cataloged Change File for the Server”), as not removable in the active area on the TME 10 Software Distribution, Version 3.1.3 server workstation, enter the following command:

```
nvdms inst TME10.SD40S2.OS2SERVER.REF.315.US_EN -n
```

During the execution of this command, the server workstation will reboot to make the code changes active.

After the installation process, the Tivoli TME 10 Software Distribution panel displays a reboot warning message for 60 seconds. Do not select the **Activate Now** button, because if selected, the TME 10 Software Distribution folder icons will not be saved in the TME 10 Software Distribution folder after the reboot process.

If you select the **Activate Now** button in error, you can recover by running the **ndicons.cmd** tool that is stored in the <XR21925-CD-ROM drive>\SD40S2\TOOLS directory.

Step 2: Installing the Cataloged Change Files for the Client and the Mobile

Client: Perform this step only if “Step 1: Installing the Cataloged Change File for the Server” has been successfully executed.

Before you install the mobile client, connect it to the server by entering the following command from the server workstation:

```
nvdm connect <client_name>
```

To install the change files (cataloged in “Step 1: Installing the Cataloged Change File for the Server” on page 15) as not removable in the active area on each TME 10 Software Distribution, Version 3.1.5 client and mobile workstation, enter the following command:

```
nvdm inst TME10.SD40S2.OS2CLIENT.REF.315.US_EN -n -w <client_name>
```

During the execution of this step the client workstations will reboot automatically in order to make the code changes active.

After the installation process, the Tivoli TME 10 Software Distribution panel displays a reboot warning message for 60 seconds. Do not select the **Activate Now** button, because if selected, the TME 10 Software Distribution folder icons will not be saved in the TME 10 Software Distribution folder after the reboot process.

If you select the **Activate Now** button in error, you can recover by running the **fndicons.cmd** tool that is stored in the <CD-ROM CSD XR21925 drive>\SD40S2\TOOLS directory.

APARS Fixed in TME 10 Software Distribution, Version 3.1.5 for OS/2

- PJ26209 - Def12278 FIELDS NOT REMOVED IF PRESENT IN OTHER FILE INSTALLATION
- PJ26942 - Def12278 FILES NOT REMOVED IF PRESENT IN OTHER FILE INSTALLATION
- PJ26972 - Def12279 COMMAND LINE RETURNS WITH THE RC=0 EVEN IN CASE OF ERROR
- PJ26973 - Def12279 COMMAND LINE RETURNS WITH RC=0 EVEN IN CASE OF ERROR
- PJ26401 - Def12117 NVDM START/STOP LOOP LEADS TO TRAP
- PJ26677 - Def12187 MAX LOCAL TARGETS IN QUICK BEGINNINGS FOR OS/2 -NW
- PJ26877 - Def12275 DISPLAY OF 'FOCAL POINT' IS MISSING IN CONFIGURATION
- PJ26898 - Def12259 FNDTC TRAP IF CMSTOP ISSUED DURING FILE TRANSFER
- PJ26970 - Def12280 SET FNDACTIMMEDIATE FOR SD OS/2 CLIENT
- PJ27327 - Def12352 MESSAGE FNDNRQ036I IS CONTINUALLY LOGGED WHEN DYNAMIC TRACES ARE SET
- PJ27140 - Def12291 ENVIRONMENT VARIABLES OF TME10 SOFTWARE DISTRIBUTION 3.1.X
- PJ26045 - Def12125 FIELD 'DESTINATION' OF STRUCTURE RR_INFO IS NOT FILLED (USER EXIT)

- PJ26046 - Def12125 FIELD 'DESTINATION' OF STRUCTURE RR_INFO IS NOT FILLED (USER EXIT)
- PJ26949 - Def12053 DUMP DECOMPRESSING SNA COMPRESSED FILE
- PJ27067 - Def12005 WIN98: MACHINE TYPE WINDOWS 98 NOT AVAILABLE IN SD
- PJ27068 - Def12199 SOFTWARE DISTRIBUTION COMPLETION REPORTS FOR EXECF COMMANDS
- PJ27069 - Def12207 CHANGE FILE ERROR
- PJ27070 - Def12212 PROBLEMS WITH LONG GLOBAL NAMES IN NVDM
- PJ27065 - Def12127 UNSOLICITED AUTO -REGISTRATION REPORT
- PJ27152 - Def12285 DYNAMIC CHANGE FILE INSTALLS EVEN IF CONDITION NOT SATISFIED
- PJ27148 - Def12216 SIGNAL 11 DURING CATALOG CANCELLATION
- PJ27151 - Def12124 THE TARGET STATUS IS 'AVAILABLE' IN GUI INSTEAD OF 'BUSY' AS CLI
- PJ27149 - Def12193 THE UNBUILD OPERATION SUCCESSFULLY CREATES THE DIRECTORY STRUCTURE
- PJ27150 - Def12091 DOMAIN ADDRESS DISAPPEARS ADDING A TARGET FROM GUI
- PJ27290 - Def12261 NVDM SEND RETURN RC=0 IN CASE OF ERROR
- PJ27060 - Def11968 GUI LOG PROBLEM AFTER FIXPACK 9807
- PJ27057 - Def12012 CORE DUMP DURING NVDM PRYQ OPERATION
- PJ27257 - Def12288 COMMAND 'LSCM' STOPPED WHEN DELETING TARGETS
- PJ27245 - Def12230 REQUEST HANDLER ABORT WHEN CANCEL FOR A DELETED REQUEST
- PJ27241 - Def12277 SELECT TARGETS WITH FILTER WINDOW IS MISSING
- PJ27145 - Def12114 REQUEST HANDLER ABORTS - FNDRQ018E: USERREQ CORRUPTED

TME 10 Software Distribution CSD XR21925 for Windows

This section of the README contains information relevant to systems running Microsoft Windows 3.1x/9x/NT/2000

Windows Support and Limitations

The following section provides details of the support and limitation criteria for TME 10 Software Distribution, Version 3.1.5 running under Microsoft Windows

Windows NT 4.0 Support

Windows NT 4.0 is supported only if you installed Service Pack 2, or later.

Limitations on Windows 2000

TME 10 Software Distribution supports Windows 2000 server and Windows 2000 professional.

Limitations on Windows 98

TME 10 Software Distribution for Windows 98 has the following limitation:

the IPX protocol does not work correctly for Windows 98.

Limitations on Windows NT 4.0 and Windows 95

On Windows NT and Windows 95, you might experience problems when using the Windows pull-down menu to switch from a main window to another window.

Software Preparation GUI Not Available on Windows 3.1x

The graphical user interface for software preparation is not available on Windows 3.1x clients. Use the command line interface or the Administration GUI, instead.

Dynamic Change Files Preparation not Available on Windows Administration GUI

On Windows platforms, the dynamic change files preparation function for the Administration GUI is currently not available. It will be available at a later date.

Using the Command Line API Interface with TME 10 Software Distribution, Version 3.1.5 for Windows 3.1x

You can use the command line API interface with TME 10 Software Distribution, Version 3.1.5 for Windows 3.1x to redirect the output of a command line command to a file. To build an executable file that uses the command line API interface function, use the FNDNVDM.LIB and the DVAAPI.H files, which are stored in the <CD-ROMdrive>\sd4w31\refresh\client.

Windows Support and Limitations

- FNDNVDM.LIB** Contains the library that builds the program that calls the command line API function. This file must be linked to the executable file you create to use the output command line API function.
- DVAAPI.H** Contains the prototype of the output command line API function.

For example, to redirect the output of the **nvdm ls *** command to a file by using the API function, insert the following instructions into your program:

```
/******  
/* The instructions to insert in your file to          */  
/* use the output command line function follow:        */  
/******  
...  
...  
#include <stdio.h>  
#include <stdlib.h>  
#include <windows.h>  
#include <dvaapi.h>  
...  
...  
  
main(int argc, char *argv[], char *envp[])  
{  
    char command[100];  
    char *a_argv[100];  
    int a_argc, rc, i=0;  
    ...  
    ...  
    /******  
    /* at this point the program calls the API          */  
    /* to redirect the output of the command "nvdm ls *" */  
    /* on the file "test"                               */  
    /******  
  
    strcpy(command, "nvdm_api ls *");  
    a_argc = build_command(a_argv, command);  
    rc = nvdm_api(a_argc, a_argv, "test");  
  
    .  
    .  
    .  
    return(rc);  
}  
  
int build_command (char **arg, char *Buffer)  
{  
    char *tok, *tbuff;  
    int rc=0;  
  
    tbuff = (char *) malloc(strlen(Buffer) + 1);  
    strcpy(tbuff, Buffer);
```



```

tok = strtok(tbuff, " ");
if (tok != NULL)
{
    do {
        arg[rc] = (char *)malloc(strlen(tok) + 1);
        strcpy(arg[rc], tok);
        rc++;
    } while ( tok = strtok(NULL, " ") ); /* enddo */
}

free(tbuff);
return(rc);
}

```

The **a_argv** parameter contains the command string. In the example the command is **nvdn ls ***.

The **filename** parameter contains the name of the file to which you redirect the output of the command. The filename can be from one to eight characters long plus an extension of up to three characters. In the example the file name is **test**.

Using Message Log via Administration GUI on Windows

On Windows platforms, if you use the Message Log via Administration GUI you might experience performance problems.

Using DiskCamera

To use DiskCamera to install a change file, you must have the operating system installed in the same path on both the preparation site and target where you want to install the change file.

If one of the three steps that you perform by using DiskCamera fails, delete the \BIN\DSKCAM.TMP file before using DiskCamera again.

If you run DiskCamera on Windows 3.1x, the DPFPRE.EXE and DPFPST.EXE files create the DSKCAM.LOG file in different directories. Usually, DPFPRE.EXE creates the DSKCAM.LOG file under <DRIVE>\SOFTDIST\BIN, and DPFPST.EXE creates the DSKCAM.LOG file under C:\WINDOWS.

Using the Administration GUI on Windows

On Windows platforms, to improve the performance of the Administration GUI and enable you to use the windows effectively, it is recommended that you use a workstation with a Super VGA display and a Pentium processor.

Using Directory and File Names with Embedded Spaces on Windows

If you create, refresh, update, or fix a change file by adding new files to it, you might experience problems when using directory or files names with embedded spaces.

1. On Windows NT 4.0, Windows 2000, Windows 98, or Windows 95,

Installation Scenarios for Windows platforms

if you select **Catalog ► Change File ► Create New ► Refresh or Update or Fix ► Change File Type**, the Change File window appears.

2. Select the **Files** push button. The Files in Change File window appears.
3. Select **Find**. The Open window appears. If the name of the directory you use has an embedded space, as in the following example:

aname bname

the name is shown in the list of directories as follows:

anameb~1

If you have a file name like the following:

afile bname

the name is shown in the list of files as follows:

afileb~1

When you install the change file in the *aname bname* directory, either one of the following happens:

- The change file is installed in the *aname bname* directory, if the directory was created from the command prompt.
- The change file is installed in the *anameb~1* directory, if the directory does not exist.

On Windows NT 3.51, the directory and file names with embedded spaces are not shown in the directory list or file list.

On Windows platforms, to avoid this problem, do not use blanks for directory or file names. As an alternative, you can write the path and file name directly in the **Name** field of the Change File window.

Windows 3.1x Client Information

On Windows 3.1x clients:

- You cannot specify an operating system command directly as a pre- or post- command or request. You can specify a batch file that contains the operating system command, instead.
- To use the Mounting File Systems (cx_mount_fs) user exit, LAN Requester must be installed.
- After having installed the Windows 3.1x Distribution Client Mobile component and restarted the workstation, go to the product group and double-click on the **Mobile Client DB Reset** icon. This completes the installation of the mobile client.

Installation Scenarios for Windows NT, Windows 2000, Windows 98, Windows 95 and Windows 3.11

The following two scenarios explain how to upgrade and install TME 10 Software Distribution, Version 3.1.5 on Windows NT, Windows 2000, Windows 98, and Windows 95. The installation scenario for the Windows 3.11 platform is described in the *TME 10 Software Distribution Clients Installation and Configuration*.

This section explains how to use the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 to upgrade existing installations of TME 10 Software Distribution Version 3.1.3 to Version 3.1.5, and to make scratch installations of TME 10 Software Distribution, Version 3.1.5. It requires that you have the licensed code images of TME 10 Software Distribution, Version 3.1.3. It is assumed that you will be using one Windows server as a Preparation Site and carrying out attended or unattended installations of servers and/or clients and/or mobile clients. If you have not already set up a server as a Preparation Site, you are strongly recommended to do so.

The details below describe how to prepare the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images on the Preparation Site, and then provide two scenarios for different types of upgrade/installation:

- Attended upgrade or scratch installation of TME 10 Software Distribution Server or Client, Version 3.1.3 to Version 3.1.5
- Unattended upgrade of TME 10 Software Distribution Server or Client, Version 3.1.3 to Version 3.1.5

General Assumptions: The following are assumed:

- The code images for TME 10 Software Distribution, Version 3.1.3 are stored on a Windows NT server, under the directory D:\SD_IMG (if this is not currently the case, the instructions for preparing the TME 10 Software Distribution, Version 3.1.5 code images show you how to set up the Version 3.1.3 images first).
- The Windows server is also used as the Preparation Site

Preparing the Code Images of TME 10 Software Distribution, Version 3.1.5 on the Preparation Site

Before carrying out any of the upgrade/installation scenarios it is necessary to upgrade the TME 10 Software Distribution Code Images at the Preparation Site to Version 3.1.5, creating them from scratch if necessary. This site can then be used as the base for carrying out the installation and upgrade scenarios.

If your Preparation Site is running an OS/2, NetWare or AIX operating system, please see the other chapters of this Readme.

Prerequisites: For this preparation activity you require the code images for TME 10 Software Distribution, Version 3.1.3 on a preparation site workstation, or the TME 10 Software Distribution, Version 3.1.3 CD-ROM (LCD4-0491-01).

Uploading the Code Images: If the Preparation Site does not already contain the TME 10 Software Distribution, Version 3.1.3 code images, you should add them, as follows:

1. Place the TME 10 Software Distribution, Version 3.1.3 CD-ROM (LCD4-0491-01) in the CD-ROM drive; the following assumes that the CD-ROM drive is F:.
2. Create the D:\SD_IMG directory on the workstation
3. From this directory entering the following command:

Installation Scenarios for Windows platforms

```
XCOPY F:\SD4WNT95\*.* D:\SD_IMG\SD4WNT9x\ /s /e
```

To upload the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images to the preparation site:

1. Place the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 CD-ROM in the CD-ROM drive;
2. Move to the F:\SD4WNT9x directory on the Preparation Site workstation
3. From this directory enter the following command:

```
SDCSD.BAT D:\SD_IMG\SD4WNT9x
```

After completing this step, the following structure is created:

```
D:\SD_IMG\
|
| \SD4WNT9x\
|
|  SETUP.EXE
|  SETUP.INS
|  SRBASE.z
|  CLBASE.z
|  .....
|  .....
| \<DIR> SRC
```

Please note that this preparation stage has only upgraded the code images; you should now upgrade your servers and clients using one of the following scenarios.

Scenario 1: Attended Upgrade or Scratch Installation of TME 10 Software Distribution Server or Client

This scenario is used if you wish to upgrade TME 10 Software Distribution, Server or Client, Version 3.1.3 to Version 3.1.5 in an attended way on a server or client workstation running Windows NT, Windows 98 (client only), or Windows 95 (client only), or if you wish to make an attended installation of TME 10 Software Distribution, Version 3.1.5 Server or Client on a scratch server or client workstation running Windows NT, Windows 2000, Windows 98 (client only), or Windows 95 (client only).

If your Server or Client workstation is running an OS/2, NetWare or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto an Windows Preparation Site in the D:\SD_IMG directory.
- If you wish to upgrade an existing installation of TME 10 Software Distribution, the workstation must be running TME 10 Software Distribution Server or Client, Version 3.1.3, with XR21923

- The Server or Client workstations have a version of Windows installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for Windows NT*).

Locating and Executing the Upgrade Scenarios: Before starting the installation, backup the existing installation of TME 10 Software Distribution on the server or client (you can do this simply by copying all files and subdirectories within the program folder to an alternate location on the system).

To install TME 10 Software Distribution, Version 3.1.5 Server or Client, use the D:\SD_IMG source directory.

The server and client installation scenarios are described in the following manuals:

Server Upgrade

TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for Windows NT

Client Upgrade

TME 10 Software Distribution, Version 3.1.5 Clients Installation and Configuration

Scenario 2: Unattended Upgrade of TME 10 Software Distribution Server or Client to Version 3.1.5

This scenario is used if you wish to upgrade TME 10 Software Distribution, Version 3.1.5 Server or Client in an unattended way on a server or client workstation running Windows NT, Windows 98 (client only), or Windows 95 (client only), with TME 10 Software Distribution Server or Client, Version 3.1.3 already installed.

If your server or client workstation is running an OS/2, NetWare or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto an Windows Preparation Site in the D:\SD_IMG directory.
- The server or client workstation has TME 10 Software Distribution Server or Client, Version 3.1.3, with XR21923 installed.
- The server or client workstation has a version of Windows installed which is compatible with TME 10 Software Distribution, Version 3.1.5

Preparing the Change File: Before commencing the upgrade it is advisable to backup the existing Server or Client installation to be upgraded. This can be achieved by instructing the operator of the server or client workstation to simply copy all files and subdirectories within the program folder to an alternate location on the system.

This scenario uses a batch script called SDUPD.BAT. The script creates a set of change file profiles which can be used to create the change files that will be applied over the existing product installed on the target workstation.

Installation Scenarios for Windows platforms

Generic change files are created for the following packages:

- TME 10 Software Distribution, Version 3.1.5 Server for Windows NT
- TME 10 Software Distribution, Version 3.1.5 Client for Windows NT
- TME 10 Software Distribution, Version 3.1.5 Client for Windows 9x
- TME 10 Software Distribution, Version 3.1.5 Mobile Client for Windows NT
- TME 10 Software Distribution, Version 3.1.5 Mobile Client for Windows 9x

Step 1. Downloading Preparation Code and Profiles using SDUPD.BAT: Download the code for the change files to the code server, in the D:\SD_CSD directory, as described below:

1. Insert the TME 10 Software Distribution CD-ROM for CSD XR21925 in the code server workstation.
This scenario assumes that the drive letter corresponding to the CD-ROM is F:
2. Create the D:\SD_CSD directory on the code server workstation.
3. Open a command prompt session.
4. Change the current directory to F:\SD4WNT9x
5. From this directory enter the command:

```
SDUPD.BAT D:\SD_CSD\SD4WNT9x F:\SD4WNT9x
```

After completing this step, the following directory structure is created under the D:\SD_CSD directory:

```
D:\SD_CSD\|
          |\SD4WNT9x\|
                    |.....
                    |.....
                    |WNTS.PRO
                    |WNTC.PRO
                    |WNTM.PRO
                    |W9XC.PRO
                    |W9XM.PRO
                    |.....
                    |.....
```

The WNTS.PRO profile follows as an example.

```

GLOBAL NAME:          IBM.SD4WNT.SERVER.REF.3150
DESCRIPTION:          SD Server for WNT 3.1.5 - (XR21925 level)
CHANGE FILE TYPE:     GEN
OBJECT:
    SOURCE NAME:       F:\SD4WNT9x\update\wnts\*.exe
    TARGET NAME:       $(FILEPATH)BIN\*.exe
    TYPE:              FILE
    ACTION:            COPY
    INCLUDE SUBDIRS:   NO
    GENERAL ATTR:      -A----
OBJECT:
    SOURCE NAME:       F:\SD4WNT9x\update\wnts\*.dll
    TARGET NAME:       $(FILEPATH)BIN\*.dll
    TYPE:              FILE
    ACTION:            COPY
    INCLUDE SUBDIRS:   NO
    GENERAL ATTR:      -A----
OBJECT:
    SOURCE NAME:       F:\SD4WNT9x\update\wnts\*.cat
    TARGET NAME:       $(FILEPATH)*.cat
    TYPE:              FILE
    ACTION:            COPY
    INCLUDE SUBDIRS:   NO
    GENERAL ATTR:      -A----
OBJECT:
    SOURCE NAME:       F:\SD4WNT9x\update\dksamnt\*.*
    TARGET NAME:       $(FILEPATH)BIN\*.*
    TYPE:              FILE
    ACTION:            COPY
    INCLUDE SUBDIRS:   NO
    GENERAL ATTR:      -A----
OBJECT:
    SOURCE NAME:       F:\SD4WNT9x\update\wnts\ICON315.BAT
    TARGET NAME:       $(FILEPATH)BIN\ICON315.BAT
    TYPE:              FILE
    ACTION:            COPY
    INCLUDE SUBDIRS:   NO
    GENERAL ATTR:      -A----
OBJECT:
    SOURCE NAME:       F:\SD4WNT9x\update\wnts\FOLDER315.INI
    TARGET NAME:       $(FILEPATH)FOLDER315.INI
    TYPE:              FILE
    ACTION:            COPY
    INCLUDE SUBDIRS:   NO
    GENERAL ATTR:      -A----

```

Figure 1 (Part 1 of 2). WNTS.PRO example profile

Installation Scenarios for Windows platforms

```
# ----- GUI code - uncomment if needed
#OBJECT:
#   SOURCE NAME:           F:\SD4WNT9x\update\guints\*.
#   TARGET NAME:           $(FILEPATH)BIN\*.
#   TYPE:                  FILE
#   ACTION:                COPY
#   INCLUDE SUBDIRS:       NO
#   GENERAL ATTR:          -A----
# ----- NetFinity 5.0 code - uncomment if needed
#OBJECT:
#   SOURCE NAME:           F:\SD4WNT9x\update\netfwnt\*.
#   TARGET NAME:           $(FILEPATH)BIN\*.
#   TYPE:                  FILE
#   ACTION:                COPY
#   INCLUDE SUBDIRS:       NO
#   GENERAL ATTR:          -A----
# ----- Documentation files - uncomment if needed
#OBJECT:
#   SOURCE NAME:           F:\SD4WNT9x\update\doc\*.
#   TARGET NAME:           $(FILEPATH)BIN\*.
#   TYPE:                  FILE
#   ACTION:                COPY
#   INCLUDE SUBDIRS:       NO
#   GENERAL ATTR:          -A----
```

Figure 1 (Part 2 of 2). WNTS.PRO example profile

The GUI component (guints) is commented out in the profiles. Remove the number sign (#) to update the GUI component.

The Netfinity component (netfwnt) is commented out in the profiles. Remove the number sign (#) to update the NetFinity files to the 5.0 version. Use NetFinity version 5.0 if there is a problem with the inventory phase of the product; if necessary, a change file can be built later to update the NetFinity files.

The documentation component (doc) is commented out in the profiles. Remove the number sign (#) to update the documentation component.

Step 2. Building Change Files from Downloaded Profiles: To update the TME 10 Software Distribution installed products to Version 3.1.5, use the change file profiles that have been downloaded in the preparation directory D:\SD_CSD\SD4WNT9x.

To build the change files to install the CSD, use the following profiles:

WNTS.PRO	For a Windows NT server
WNTC.PRO	For a Windows NT client
WNTM.PRO	For a Windows NT mobile
W9XC.PRO	For a Windows 9x client
W9XM.PRO	For a Windows 9x mobile client

To start TME 10 Software Distribution, Version 3.1.3 via the command line interface, enter the following command:

```
nvdm start
```

Change the current directory to D:\SD_CSD\SD4WNT9x. Use the TME 10 Software Distribution, Version 3.1.3 command line interface to enter the following command for each change file profile you want to build:

```
nvdm bld <change_file_profile_name>
```

Do not remove the CD-ROM during the execution of the **nvdm bld** command, because the CD-ROM is accessed to get the preparation code.

Step 3. Installing Change Files: In Step 2 you created a set of change files that are stored under the repository of the TME 10 Software Distribution, Version 3.1.3 server, with the following names:

- IBM.SD4WNT.SERVER.REF.3150
- IBM.SD4WNT.CLIENT.REF.3150
- IBM.SD4WNT.MOBILE.REF.3150
- IBM.SD4W9X.CLIENT.REF.3150
- IBM.SD4W9X.MOBILE.REF.3150

To install the change files (which you created in the previous step), use the following commands.

- For a **Windows NT Server**:

```
nvdm inst IBM.SD4WNT.SERVER.REF.3150 -n -vs -w <target_name>
```

To confirm whether the installation has been completed correctly, verify that the change management status of the IBM.SD4WNT.SERVER.REF.3150 change files is as follows:

```
IBM.SD4WNT.SERVER.REF.3150 installed not removable inactive
```

If the installation performed in the previous step has been executed successfully, perform an activate request on the Windows NT server to make the code changes active, by entering the following command:

```
nvdm act -w <target_name> -f
```

During the execution of this step, the server workstation will restart automatically in order to make the code changes active.

Once the code is activated, the Start Menu entries must be updated to correspond to the new version of the installation.

The entries for 'TME 10 SD (3.1.3) Message Log' and 'TME 10 SD (3.1.3) SW Preparation' will be updated to read '3.1.5'.

The following commands should be issued from the Server terminal:

```
nvdm cat IBM.SD4WIN.ICON315.REF.1 $<filepath>\bin\icon315.bat -d "Upgrade  
of the icons of SD in the Start Menu" -o PROC
```

```
nvdm exec IBM.SD4WIN.ICON315.REF.1 -w <target_name>
```

Where <filepath> is the location of the directory within which the product is installed and <target_name> is the name of the target.

Installation Scenarios for Windows platforms

- For a **Windows NT Client**:

```
nvdm inst IBM.SD4WNT.CLIENT.REF.3150 -n -vs -w <target_name>
```

```
nvdm act -w <target_name> -f
```

Once the code is activated, the Start Menu entries must be updated to correspond to the new version of the installation.

The entries for 'TME 10 SD Client (3.1.3) Message Log' and 'TME 10 SD Client (3.1.3) SW Preparation' will be updated to read '3.1.5'.

The following commands should be issued from the Server terminal:

```
nvdm cat IBM.SD4WIN.ICON315.REF.1 $<filepath>\bin\icon315.bat -d "Upgrade  
of the icons of SD in the Start Menu" -o PROC
```

```
nvdm exec IBM.SD4WIN.ICON315.REF.1 -w <target_name>
```

Where <filepath> is the location of the directory within which the product is installed and <target_name> is the name of the target.

- For a **Windows NT Mobile Client**:

```
nvdm inst IBM.SD4WNT.MOBILE.REF.3150 -n -vs -w <target_name>
```

```
nvdm act -w <target_name> -f
```

Once the code is activated, the Start Menu entries must be updated to correspond to the new version of the installation.

The entries for 'TME 10 SD Client (3.1.3) Message Log' and 'TME 10 SD Client (3.1.3) SW Preparation' will be updated to read '3.1.5'.

The following commands should be issued from the Server terminal:

```
nvdm cat IBM.SD4WIN.ICON315.REF.1 $<filepath>\bin\icon315.bat -d "Upgrade  
of the icons of SD in the Start Menu" -o PROC
```

```
nvdm exec IBM.SD4WIN.ICON315.REF.1 -w <target_name>
```

Where <filepath> is the location of the directory within which the product is installed and <target_name> is the name of the target.

- For a **Windows 9x Client**:

```
nvdm inst IBM.SD4W9X.CLIENT.REF.3150 -n -vs -w <target_name>
```

```
nvdm act -w <target_name> -f
```

Once the code is activated, the Start Menu entries must be updated to correspond to the new version of the installation.

The entries for 'TME 10 SD Client (3.1.3) Message Log' and 'TME 10 SD Client (3.1.3) SW Preparation' will be updated to read '3.1.5'.

The following commands should be issued from the Server terminal:

```
nvdm cat IBM.SD4WIN.ICON315.REF.1 $<filepath>\bin\icon315.bat -d "Upgrade  
of the icons of SD in the Start Menu" -o PROC
```

```
nvdm exec IBM.SD4WIN.ICON315.REF.1 -w <target_name>
```

Where <filepath> is the location of the directory within which the product is installed and <target_name> is the name of the target.

- For a **Windows 9x Mobile Client**:

```
nvdm inst IBM.SD4W9X.MOBILE.REF.3150 -n -vs -w <target_name>
```

```
nvdm act -w <target_name> -f
```

Once the code is activated, the Start Menu entries must be updated to correspond to the new version of the installation.

The entries for 'TME 10 SD Client (3.1.3) Message Log' and 'TME 10 SD Client (3.1.3) SW Preparation' will be updated to read '3.1.5'.

The following commands should be issued from the Server terminal:

```
nvdm cat IBM.SD4WIN.ICON315.REF.1 $<filepath>\bin\icon315.bat -d "Upgrade  
of the icons of SD in the Start Menu" -o PROC
```

```
nvdm exec IBM.SD4WIN.ICON315.REF.1 -w <target_name>
```

Where <filepath> is the location of the directory within which the product is installed and <target_name> is the name of the target.

Updating Version 3.1.3 to Version 3.1.5: Windows NT to Windows 2000 Migration Issues

Version 3.1.3 of TME 10 Software Distribution will not operate under the Windows 2000 environment. Before migrating your operating system from Windows NT to Windows 2000 you must update Version 3.1.3 of TME 10 Software Distribution to Version 3.1.5.

To complete the updated installation of Version 3.1.5 on a platform running Windows 2000 you must stop the product and modify the base configuration file `nvdm.cfg`.

Stop the product by entering the command:

```
nvdm stop -x -k
```

Open `nvdm.cfg` in a text editor and change the MACHINE TYPE keyword so that it reads:

```
MACHINE TYPE: WIN2K
```

Restart the product with the command:

```
nvdm start
```

You must then update the target operating system by issuing the command:

```
nvdm updtg <target_name> -y WIN2K
```

Updating Version 3.1.3 to Version 3.1.5 under Windows 98

To complete the updated installation of Version 3.1.5 from Version 3.1.3 on a platform running Windows 98 you must stop the product and modify the base configuration file `nvdm.cfg`.

Stop the product by entering the command:

APARs Fixed in TME 10 Software Distribution, Version 3.1.5 for Windows

```
nvdm stop -x -k
```

Open nvdm.cfg in a text editor and change the MACHINE TYPE keyword so that it reads:

```
MACHINE TYPE: WIN98
```

Restart the product with the command:

```
nvdm start
```

You must then update the target operating system by issuing the command:

```
nvdm updtg <target_name> -y WIN98
```

APARs Fixed in TME 10 Software Distribution, Version 3.1.5 for Windows

- PJ26735 - Def12189 NVDM STATTG NEEDS 'ADMINISTRATOR' USER
- PJ26750 - Def12195 SD FOR WNT NVDMGI.EXE CAN REMAIN ACTIVE IF (2) NVDMGI IS OPENED VIA 'START NVDMGI.EXE' AND CLOSED (ONLY THE 1ST NVDMGI.EXE STOPS)
- PJ26741 - Def12197 DISKCAMERA CREATE NOT ENTRIES FOR *.DAT FILES INTO PROFILE
- PJ26758 - Def12198 FNDUSER VARIABLE = '*' CAUSES NT EXCEPTION
- PJ26778 - Def12199 SOFTWARE DISTRIBUTION COMPLETION REPORTS FOR EXECF COMMANDS
- PJ26789 - Def12207 CHANGE FILE ERROR
- PJ26799 - Def12212 PROBLEMS WITH LONG GLOBAL NAMES IN NVDM NT
- PJ26449 - Def12138 HKEY_CURRENT_USER NOT UPDATED BY DISKCAMERA
- PJ26205 - Def11986 SCHEDULING AN INSTALL FROM THE SD 313 NT GUI SHUTS DOWN THE GUI
- PJ26819 - Def12216 SIGNAL 11 DURING CATALOG CANCELLATION
- PJ25777 - Def12229 ON WINDOWS 98 GUI TRAPS ON CLOSURE
- PJ26832 - Def12221 SD GUI WINNT GENERATE GENERIC CHANGE FILE VIA GUI
- PJ26807 - SNA/DS ON TCP/IP NOT SUPPORTED ON NT PLATFORM
- PJ26773 - Def12193 THE UNBUILD OPERATION SUCCESSFULLY CREATES THE DIRECTORY STRUCTURE
- PJ26905 - Def12261 NVDM SEND RETURN RC=0 IN CASE OF ERROR
- PJ26817 - Def12206 GUI: REFRESH DOES NOT WORK PROPERLY ON CATALOG WINDOW
- PJ26939 - Def12263 DISKCAMERA FAILED RETURNING 2 WHEN PROFILEIMAGEPATH IS DELETED
- PJ26938 - Def12091 DOMAIN ADDRESS DISAPPEARS ADDING A TARGET FROM GUI
- PJ26936 - Def12141 FND0034E REQUESTING HISTORY FROM GUI OF A NOT AVAILABLE TARGET
- PJ26965 - Def12124 THE TARGET STATUS IS 'AVAILABLE' IN GUI INSTEAD OF 'BUSY' AS CLI

- PJ26212 - Def12005 WIN98: MACHINE TYPE WINDOWS 98 NOT AVAILABLE IN SD
- PJ26409 - Def12127 UNSOLICITED AUTO -REGISTRATION REPORT
- PJ27085 - Def12287 PROBLEM WITH DATE FORMAT YYYY/MM/DD IN -D OPTION IN SWD SERVER
- PJ27081 - Def12287 PROBLEM WITH DATE FORMAT YYYY/MM/DD IN -D OPTION IN SWD CLIENT
- PJ26492 - Def12137 NT: REQUIREMENT TO ENABLE SILENT UNINSTALL
- PJ27030 - Def12285 DYNAMIC CHANGE FILE INSTALLS EVEN IF CONDITION NOT SATISFIED
- PJ27153 - SD FOR NT: NEW DOC PROVIDED FOR MICROSOFT SNA SERVER
- PJ27158 - MAX CONNECTIONS DESCRIPTION CONTAINS ERRATA OR INCORRECT INFO IN SH19 -4335 -01
- PJ26717 - Def12053 DISTRIBUTING A COMPRESSED FILE FROM HOST TO NT, YOU CAN GET CORE DUMP WHILE DECOMPRESSED THE FILE ON THE NT SIDE
- PJ27059 - Def11968 GUI LOG PROBLEM AFTER FIXPACK 9807
- PJ27056 - Def12012 CORE DUMP DURING NVDM PRYQ OPERATION
- PJ27146 - Def12114 REQUEST HANDLER ABORTS - FNDRQ018E: USERREQ CORRUPTED
- PJ27061 - Def12278 FILES NOT REMOVED IF PRESENT IN OTHER FILE INSTALLATION
- PJ27062 - Def12278 FILES NOT REMOVED IF PRESENT IN OTHER FILE INSTALLATION
- PJ27063 - Def12279 COMMAND LINE RETURNS WITH THE RC=0 EVEN IN CASE OF ERROR
- PJ27064 - Def12279 COMMAND LINE RETURNS WITH RC=0 EVEN IN CASE OF ERROR
- PJ27258 - Def12288 COMMAND 'LSCM' STOPPED WHEN DELETING TARGETS
- PJ27244 - Def12230 REQUEST HANDLER ABORT WHEN CANCEL FOR A DELETED REQUEST
- PJ27240 - Def12277 "SELECT TARGETS WITH FILTER" WINDOW IS MISSING
- PJ27058 - Def12125 FIELD 'DESTINATION' OF STRUCTURE RR_INFO IS NOT FILLED (USER EXIT)
- PJ27238 - Def12125 FIELD 'DESTINATION' OF STRUCTURE RR_INFO IS NOT FILLED (USER EXIT)

TME 10 Software Distribution CSD XR21925 for Netware

This section of the README contains information relevant to systems running Novell Netware.

If you are a Windows user, and you want to read the online information stored in the SD4NW\BOOKS directory, use the XVIEW tool. At the Windows workstation insert the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 CD-ROM in the cd drive and enter the following command:

```
XVIEW CD_DRIVE\SD4NW\BOOKS filename.inf /SHOW
```

where filename is the name of the file that contains the information that you want to read. For example, if you want to read the TME 10 Software Distribution, Version 3.1.5 Quick Beginnings for NetWare manual, enter:

```
XVIEW CD_DRIVE\SD4NW\BOOKS FNDNWMST.inf /SHOW
```

The XVIEW tool is stored in the SD4W31\DOC directory.

Netware Support and Limitations

The following section provides details of the support and limitation criteria for TME 10 Software Distribution, Version 3.1.5 running under Novell Netware

STS APPC Support Not Available

STS APPC support is not available at this time for:

- Server to server connections
- Server to client connections

TCP/IP 3.00H Prerequisite

TCP/IP 3.00H (or later) must be loaded to use the Software Distribution for NetWare product.

Asynchronous Support

Asynchronous support is not available at this time.

Software Distribution User Names

Do not use a Software Distribution user name that contains more than 8 characters.

Server Configuration Parameters for TCP/IP Networks

In the Configuration Parameter dialog of the server installation procedure, configure the server name and workstation address as follows:

Installation Scenarios for Netware

- The server name should be equal to the workstation address. It represents the name of the software distribution server.
- The *workstation address* is the host name of the workstation where the software distribution server is installed. The installation procedure configures them with the same name by default.
- If you want the server name and configuration name to be different, edit the `nvd.m.cfg` configuration file of each CLIENT to change the SERVER section as follows:

```
SERVER: <ServerName> <Protocol> <ServerWorkstationAddress>
```

where the `ServerName` and `ServerWorkstationAddress` must match the server name and workstation address specified for the server; and the protocol field is TCP/IP.

- If you do not modify the server section of the `nvd.m.cfg` file the client cannot connect to the server.

Installation Scenarios for Netware

This section explains how to use the CSD XR21925 to upgrade existing installations of TME 10 Software Distribution Version 3.1.3 to Version 3.1.5, and to make scratch installations of TME 10 Software Distribution, Version 3.1.5. It requires that you have the licensed code images of TME 10 Software Distribution, Version 3.1.3. It is assumed that you will be using one NetWare Server as a Preparation Site and carrying out attended or unattended installations of the TME 10 Software Distribution, Version 3.1.5 Server and/or Client software on this and other NetWare Servers. If you have not already set up a server as a Preparation Site, you are strongly recommended to do so.

The details below describe how to prepare the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images on the Preparation Site, and then provide four scenarios for different types of upgrade/installation:

- Attended upgrade of TME 10 Software Distribution, Version 3.1.3 Server to Version 3.1.5 or scratch installation of TME 10 Software Distribution, Version 3.1.5 Server
- Unattended upgrade of TME 10 Software Distribution Server to Version 3.1.5
- Attended upgrade of TME 10 Software Distribution, Version 3.1.3 Client to Version 3.1.5 or scratch installation of TME 10 Software Distribution, Version 3.1.5 Client
- Unattended upgrade of TME 10 Software Distribution Client to Version 3.1.5

General Assumptions: The following are assumed:

- The code images for TME 10 Software Distribution, Version 3.1.3 are stored on a NetWare server, under the directory `SD4NW` (if this is not currently the case, the instructions for preparing the TME 10 Software Distribution, Version 3.1.5 code images show you how to set up the Version 3.1.3 images first).
- The NetWare server is also used as the Preparation Site

Preparing the Code Images of TME 10 Software Distribution, Version 3.1.5 on the Preparation Site

Before carrying out any of the upgrade/installation scenarios it is necessary to upgrade the TME 10 Software Distribution Code Images at the Preparation Site to Version 3.1.5, creating them from scratch if necessary. This site can then be used as the base for executing the upgrade and installation scenarios described below.

If your Preparation Site is running a Windows, OS/2 or AIX operating system, please see the other chapters of this Readme.

Prerequisites: For this preparation activity you require the code images for TME 10 Software Distribution, Version 3.1.3 on a Preparation Site, or the TME 10 Software Distribution, Version 3.1.3 CD-ROM (LCD4-0491-01).

Uploading the Code Images: If the Preparation Site does not already contain the TME 10 Software Distribution, Version 3.1.3 code images, you should add them, as follows:

1. Place the TME 10 Software Distribution, Version 3.1.3 CD-ROM (LCD4-0491-01) in the CD-ROM drive; for these scenarios it is assumed to be the E: drive
2. At the NetWare requester, map the NetWare volume where you want to store the code images; for these scenarios it is assumed to be K:
3. Create the SD4NW directory on the K: drive of the Preparation Site
4. From this directory enter the following command:

```
XCOPY E:\SD4NW\*. * /s /e K:\SD4NW
```

To upload the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images to the preparation site:

1. Place the TME 10 Software Distribution, Version 3.1.5 CSD XR21925 CD-ROM in the CD-ROM drive; for these scenarios it is assumed to be the E: drive
2. Move to the K:\SD4NW directory on the Preparation Site
3. From this directory enter the following command:

```
XCOPY E:\SD4NW\*. * /s /e K:\SD4NW
```

After completing this step, the following structure is created under the K:\SD4NW directory:

Installation Scenarios for Netware

```
K:\ SD4NW\ |
            |\ <DIR> BOOKS
            |\ <DIR> CLIENT\ |
                                |LIST
                                |PINSTALL.NLM
                                |PRODUCTS.TME
                                |CLIENT.PRF
                                |CRTPRF.CMD
                                |FNDSCLT.SIG
                                |FNDSWINV
                                |\ <DIR> BIN
            |\ <DIR> SERVER\ |
                                |LIST
                                |NVDM.CFG
                                |PRODUCTS.TME
                                |SERVER.PRF
                                |CRTPRF.CMD
                                |FNDSDSRV.SIG
                                |FNDSWINV
                                |PINSTALL.NLM
                                |TABLEG.DAT
                                |\ <DIR> DB
                                |\ <DIR> BIN
```

Please note that this preparation stage has only upgraded the code images; you should now upgrade your servers and clients using one of the following scenarios.

Scenario 1: Attended Upgrade of TME 10 Software Distribution Version 3.1.3 Server or Scratch Installation of TME 10 Software Distribution, Version 3.1.5 Server

This scenario is used if you wish to upgrade TME 10 Software Distribution Server, Version 3.1.3 to Version 3.1.5 or install TME 10 Software Distribution, Version 3.1.5 Server from scratch in an attended way on a NetWare Server.

If your Server is running a Windows, OS/2 or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto a NetWare Preparation Site in the K:\SD4NW directory.
- The NetWareServer has TME 10 Software Distribution Server, Version 3.1.3, with XR21924 installed.
- The NetWare Server has a version of NetWare installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*).

Locating and Executing the Upgrade/Installation Scenarios: Before starting the installation, backup the existing installation of TME 10 Software Distribution on the Server (you can do this simply by copying all files and subdirectories within the program folder to an alternate location on the system).

The upgrade/installation steps are as follows:

1. At the Server console, enter the following command:

Load <NW_VOLUME>:SD4NW\SERVER\pinstall

The TME 10 Software Distribution, Version 3.1.5 for NetWare **Main Menu** window appears.

2. On the **Main Menu**, specify whether you are installing on this NetWare Server or another NetWare Server, and press **Enter**.

The Destination Directory window appears.

3. In the **Destination Directory** field, enter the name of the destination directory, and press **Enter**. The default value is SYS:SOFTDIST. The CSD Installation Options window appears.
4. If TME 10 Software Distribution Server, Version 3.1.3 is already installed in the target installation directory, the following message appears:

The Target directory contains the same release.

In this event, choose one of the following options:

- a. If you want to remove TME 10 Software Distribution, Server for NetWare, Version 3.1.3, and install TME 10 Software Distribution, Server for NetWare, Version 3.1.5, select **Remove the directory contents and install from scratch** and press **Enter**.

TME 10 Software Distribution, Server for NetWare, Version 3.1.3 is removed and a new installation starts, as described in "Installing a TME 10 Software Distribution, Version 3.1.5 for NetWare Server", in the *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*. If you select this option the existing network configuration will be deleted.

- b. If you want to copy the NLMs files only, select **Refresh the NLMs** and press **Enter**.

If you select this option the existing network configuration will be saved.

- c. If you want to keep TME 10 Software Distribution, Version 3.1.3 for NetWare and install TME 10 Software Distribution, Version 3.1.5 for NetWare in another directory. select **Choose a different target directory** and press **Enter**.

A new installation starts as described in "Installing a TME 10 Software Distribution, Version 3.1.5 for NetWare Server," in the *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*.

5. If TME 10 Software Distribution is not installed in the target directory, a new installation starts as described in "Installing a TME 10 Software Distribution, Version 3.1.5 for NetWare Server," in the *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*.

Installation Scenarios for Netware

Scenario 2: Upgrading TME 10 Software Distribution Server, Version 3.1.3 on a NetWare Server in Unattended Mode

This scenario is used if you wish to upgrade TME 10 Software Distribution Server, Version 3.1.3 to Version 3.1.5, in an unattended way, on a NetWare Server.

You can either run the scenario from a Preparation Site where you have already downloaded the code images (see “Preparing the Code Images of TME 10 Software Distribution, Version 3.1.5 on the Preparation Site” on page 37), or from any NetWare Server with TME 10 Software Distribution Server installed, using the code images directly from the CSD XR21925 CD-ROM.

If your Server is running a Windows, OS/2 or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images have already been uploaded onto a NetWare Preparation Site in the K:\SD4NW directory, or the CSD XR21925 CD-ROM is available and the NetWare Server is equipped with a CD-ROM drive
- The target Server has TME 10 Software Distribution for NetWare Server, Version 3.1.3, with XR21924 installed.
- The target Server has a version of NetWare installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*).

Locating and Executing the Upgrade/Installation Scenarios: To install the TME 10 Software Distribution for NetWare Server, Version 3.1.5 on a NetWare Server in unattended mode, perform the following steps at the Preparation Site server:

1. If you wish to carry out the scenario using the code images on the CD-ROM, mount the CSD XR21925 CD-ROM as a NetWare volume, otherwise customize the SOURCE NAME in the SERVER.PRF profile in the directory K:\SD4NW\SERVER\ to refer to K:, (where you have stored the product images)
2. At the server console use the following command to build your profile:

```
load nvdm bld K:\SD4NW\SERVER\SERVER.PRF
```

This command creates the SD4NW.XR21925.SERVER.REF.315 change file in your catalog.

3. Use the following command to install the change file on the server:

```
load nvdm inst SD4NW.XR21925.SERVER.REF.315 -w <swd_server>
```

4. Use the following commands to stop and start the TME 10 Software Distribution, Version 3.1.5 for NetWare server:

```
load fnddwn
```

```
load fndload
```

When you start the server all the code changes will be applied.

Scenario 3: Attended Upgrade of TME 10 Software Distribution Version 3.1.3 Client or Scratch Installation of TME 10 Software Distribution, Version 3.1.5 Client

This scenario is used if you wish to upgrade TME 10 Software Distribution Client, Version 3.1.3 to Version 3.1.5 or install TME 10 Software Distribution, Version 3.1.5 Client from scratch in an attended way on a NetWare Server.

If your Client is running a Windows, OS/2 or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The code images of the CSD XR21925 have already been uploaded onto a NetWare Preparation Site in the K:\SD4NW directory.
- The NetWare Server has TME 10 Software Distribution Client, Version 3.1.3, with XR21924 installed.
- The NetWare Server has a version of NetWare installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*).

Locating and Executing the Upgrade/Installation Scenarios: Before starting the installation, backup the existing installation of TME 10 Software Distribution on the Client (you can do this simply by copying all files and subdirectories within the program folder to an alternate location on the system).

The upgrade/installation steps are as follows:

1. At the Server console (Preparation Site), enter the following command:

```
Load <NW_VOLUME>:SD4NW\CLIENT\pinstall
```

The TME 10 Software Distribution, Version 3.1.5 for NetWare **Main Menu** window appears.

2. On the **Main Menu**, specify whether you are installing the Client software on this NetWare Server or another NetWare Server, and press **Enter**.

The Destination Directory window appears.

3. In the **Destination Directory** field, enter the name of the destination directory, and press **Enter**. The default value is SYS:SOFTDIST. The CSD Installation Options window appears.
4. If TME 10 Software Distribution Client, Version 3.1.3 is already installed in the target installation directory, the following message appears:

The Target directory contains the same release.

In this event, choose one of the following options:

- a. If you want to remove TME 10 Software Distribution, Client for NetWare, Version 3.1.3, and install TME 10 Software Distribution, Client for NetWare, Version 3.1.5, select **Remove the directory contents and install from scratch** and press **Enter**.

Installation Scenarios for Netware

TME 10 Software Distribution, Client for NetWare, Version 3.1.3 is removed and a new installation starts, as described in “Installing a TME 10 Software Distribution, Version 3.1.5 for NetWare Client”, in the *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*. If you select this option the existing network configuration will be deleted.

- b. If you want to copy the NLMs files only, select **Refresh the NLMs** and press **Enter**.

If you select this option the existing network configuration will be saved.

- c. If you want to keep TME 10 Software Distribution, Client for NetWare, Version 3.1.3 and install TME 10 Software Distribution, Client for NetWare, Version 3.1.5 in another directory. select **Choose a different target directory** and press **Enter**.

A new installation starts as described in “Installing a TME 10 Software Distribution, Version 3.1.5 for NetWare Client,” in the *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*.

5. If TME 10 Software Distribution is not installed in the target directory, a new installation starts as described in “Installing a TME 10 Software Distribution, Version 3.1.5 for NetWare Client,” in the *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*.

Scenario 4: Upgrading TME 10 Software Distribution Client, Version 3.1.3 on a NetWare Server in Unattended Mode

This scenario is used if you wish to upgrade TME 10 Software Distribution Client, Version 3.1.3 to Version 3.1.5, in an unattended way, on a NetWare Server.

You can either run the scenario from a Preparation Site where you have already downloaded the code images (see “Preparing the Code Images of TME 10 Software Distribution, Version 3.1.5 on the Preparation Site” on page 37), or from any NetWare Server with TME 10 Software Distribution Server installed, using the code images directly from the CSD XR21925 CD-ROM.

If your Client is running a Windows, OS/2 or AIX operating system, please see the other chapters of this Readme.

Pre-Requisites: This scenario assumes the following conditions:

- The TME 10 Software Distribution, Version 3.1.5 CSD XR21925 code images have already been uploaded onto a NetWare Preparation Site in the K:\SD4NW directory, or the CSD XR21925 CD-ROM is available and the NetWare Server you are using instead of a Preparation Site is equipped with a CD-ROM drive
- The NetWare Server has TME 10 Software Distribution for NetWare Client, Version 3.1.3, with XR21924 installed.
- The NetWare Server has a version of NetWare installed which is compatible with TME 10 Software Distribution, Version 3.1.5 (see the software prerequisites section in *TME 10 Software Distribution for NetWare Quick Beginnings, Version 3.1.5*).

Locating and Executing the Upgrade/Installation Scenarios: To install the TME 10 Software Distribution for NetWare Client, Version 3.1.5 on a NetWare Server in unattended mode, perform the following steps at the Preparation Site server:

1. If you wish to carry out the scenario using the code images on the CD-ROM, mount the CSD XR21925 CD-ROM as a NetWare volume, otherwise customize the SOURCE_NAME in the CLIENT.PRF profile in the directory K:SD4NW\CLIENT\ to refer to K:, (where you have stored the product images)
2. At the server console (Preparation Site) use the following command to build your profile:

```
load nvdm bld K:SD4NW\CLIENT\CLIENT.PRF
```

This command creates the SD4NW.XR21925.CLIENT.REF.315 change file in your catalog.

3. Use the following command to install the change file on the NetWare server:

```
load nvdm inst SD4NW.XR21925.CLIENT.REF.315 -w <swd_client>
```

4. Use the following commands to stop and start the TME 10 Software Distribution, Version 3.1.5 for NetWare Client:

```
load fnddown
```

```
load fndload
```

When you start the Client all the code changes will be applied.

Using the FNDDBCMP.NLM Tool

Use the FNDDBCMP.NLM tool to compress the files of the TME 10 Software Distribution, Version 3.1.5 for NetWare database. It physically deletes all the records that are logically flagged to be deleted in the database files. In some cases, it can recover corrupted database files.

Using the FNDCFG.NLM Tool

Use the FNDCFG.NLM tool to directly configure, start, stop, and monitor the TME 10 Software Distribution, Version 3.1.5 for NetWare from the console. It is a menu-driven tool.

APARs fixed in TME 10 Software Distribution, Version 3.1.5 for Netware

There are no APARs at this time.

TME 10 Software Distribution PTF U469697 for AIX

This section of the README contains information relevant to systems running AIX.

Installation Scenarios for AIX

This section explains how to upgrade existing installations of TME 10 Software Distribution for AIX to Version 3.1.5, and to make scratch installations of TME 10 Software Distribution, Version 3.1.5, using PTF U469697. It requires that you have the licensed code images of TME 10 Software Distribution for AIX, Version 3.1.4.

The details below provide five scenarios for different types of upgrade/installation:

- Upgrade TME 10 Software Distribution for AIX Server/Client, Version 3.1.4 to Version 3.1.5 on a local AIX computer using Installp or SMIT
- Upgrade TME 10 Software Distribution for AIX Server, Version 3.1.4 to Version 3.1.5 on an AIX server, using the provided Change File
- Upgrade TME 10 Software Distribution for AIX Server, Version 3.1.4 to Version 3.1.5 on an AIX server, without rebooting, using the provided Change File.
- Upgrade TME 10 Software Distribution for AIX Client, Version 3.1.4 to Version 3.1.5 on an AIX server, using the provided Change File
- Upgrade TME 10 Software Distribution for AIX Client, Version 3.1.4 to Version 3.1.5 on an AIX server, without rebooting, using the provided Change File.

Scenario One: Using Installp or SMIT to upgrade TME 10 Software Distribution to Version 3.1.5

This scenario is used to update TME 10 Software Distribution for AIX, Version 3.1.4, to Version 3.1.5 in an attended way.

Pre-Requisites

- TME 10 Software Distribution, Version 3.1.4 is installed at the local computer
- The code images are available from the CD-ROM of the PTFs

Installation Procedure: The PTF release of TME 10 Software Distribution, Version 3.1.5 is supplied in the following packages:

Installation Scenarios for AIX

Package name	Contents
netviewdm6000.3.1.4.0.U469697	Base and Server components
netviewdm6000.3.1.4.0.U474027	Client components
netviewdm6000.3.1.4.0.U474028	En_US Documentation
netviewdm6000.3.1.4.0.U474029	en_US Documentation
netviewdm6000.3.1.4.0.U474050	Mobile Client Components

They are found on the PTF U469697 CD-ROM in the directory /SD4AIX/installp/.

If you wish to upgrade from the command line, move to that directory and type the following:

```
installp -ac -d<device> <component name>|all
```

If you wish to upgrade using SMIT, follow the steps below:

1. run SMIT
2. Select **install-update**
3. Select **Install and Update from ALL Available Software**
4. Enter the required information on the displayed screen
5. Select the **Update** option.

Scenario Two: Upgrade TME 10 Software Distribution for AIX Server, Version 3.1.5

This scenario is used to update an AIX server running TME 10 Software Distribution, Version 3.1.4 for AIX Server, to Version 3.1.5; the upgrade requires the server to be rebooted.

Pre-Requisites

- TME 10 Software Distribution, Version 3.1.4 is installed at the AIX server

AIX Upgrade Procedure: On an AIX Preparation Site do the following:

1. Create the directory /prep and go there
2. Download the following binary file from the /SD4AIX/update/ directory on the PTF U469697 CD-ROM into the /prep directory:
AIXS3150.TARZBIN
3. Rename the above file to AIXS3150.TARBIN.Z using the command

```
mv AIXS3150.TARZBIN AIXS3150.TARBIN.Z
```
4. Uncompress the file AIXS3150.TARBIN.Z using the command

```
uncompress AIXS3150.TARBIN.Z
```
5. Unpack the TAR file using the command

```
tar -xvf AIXS3150.TARBIN
```

6. If the option: netviewdm6000.remoteadmin.obj is installed prepare the remote admin Change File using
`nvdm bld /prep/profile.admin`
7. In all cases (servers and focal points), prepare the server Change File using
`nvdm bld /prep/profile`
8. Exit from that directory.

From any administration site:

1. If the option: netviewdm6000.remoteadmin.obj is installed issue the following command:
`nvdm inst -vs IBM.NDM6000.REMOTEADMIN.REF.3150 -w <server> -e`
2. In all cases issue the following commands:
`nvdm inst -vs IBM.NDM6000.BASE.REF.3150 -w <server> -e`
`nvdm cat IBM.NDM6000.SCRIPT.REF.3150 /prep/linkrbasy -o Procedure`
`nvdm act -w<server> -m<server>:IBM.NDM6000.SCRIPT.REF.3150 -f`

Should it be necessary to de-install the upgrade:

1. If the option: netviewdm6000.remoteadmin.obj is installed issue the following command:
`nvdm rem -vs IBM.NDM6000.REMOTEADMIN.REF.3150 -w <server>`
2. In all cases issue the following commands:
`nvdm rem -vs IBM.NDM6000.BASE.REF.3150 -w <server>`
`nvdm act -w <server> -f`

Scenario Three: Upgrade TME 10 Software Distribution for AIX Server to Version 3.1.5 Without Rebooting

This scenario is used to update an AIX server running TME 10 Software Distribution, Version 3.1.4 for AIX Server, to Version 3.1.5; the upgrade does not require the server to be rebooted.

Pre-Requisites

- TME 10 Software Distribution, Version 3.1.4 is installed at the AIX server

AIX Upgrade Procedure: On an AIX Preparation Site do the following:

1. Create the directory /prep and go there
2. Download the following binary file from the /SD4AIX/update/ directory on the PTF U469697 CD-ROM into the /prep directory:
`AIXS3150.TARZBIN`
3. Rename the above file to AIXS3150.TARBIN.Z using the command
`mv AIXS3150.TARZBIN AIXS3150.TARBIN.Z`

Installation Scenarios for AIX

4. Uncompress the file AIXS3150.TARBIN.Z using the command

```
uncompress AIXS3150.TARBIN.Z
```

5. Unpack the TAR file using the command

```
tar -xvf AIXS3150.TARBIN
```

If you **DO NOT HAVE** the option: netviewdm6000.remoteadmin.obj installed, from any administration site follow the steps below.

1. Prepare the server Change File using

```
nvdm bld /prep/profile.nonreboot
```

2. Exit from that directory.

3. You can upgrade the server in a REMOVABLE or a NON-REMOVABLE way:

- **REMOVABLE**

- a. Enable the REMOVABLE option:

```
nvdm cat IBM.NDM6000.BASE.REF.3150.EXECS /prep/_fndexecs.sh ►  
-o Procedure
```

```
nvdm exec IBM.NDM6000.BASE.REF.3150.EXECS -w<server>
```

- b. To upgrade the server:

```
nvdm inst IBM.NDM6000.BASE.REF.3150.NR -w <server> -e
```

- c. Should it be necessary to de-install the upgrade:

```
nvdm rem IBM.NDM6000.BASE.REF.3150.NR -w <server>
```

- **NON-REMOVABLE**

- a. To upgrade the server:

```
nvdm inst IBM.NDM6000.BASE.REF.3150.NR -w <server> -e -n
```

If you **DO HAVE** the option: netviewdm6000.remoteadmin.obj installed, from any administration site follow the steps below.

1. Prepare the server Change File using

```
nvdm bld /prep/profile.admin.nonreboot
```

2. Exit from that directory.

3. You can upgrade the server in a REMOVABLE or a NON-REMOVABLE way:

- **REMOVABLE**

- a. Enable the REMOVABLE option for the remote admin option:

```
nvdm cat IBM.NDM6000.REMOTEADMIN.REF.3150.EXECA ►  
/prep/_fndexeca.sh -o Procedure
```

```
nvdm exec IBM.NDM6000.REMOTEADMIN.REF.3150.EXECA -w<server>
```

- b. To upgrade the server:

```
nvdm inst IBM.NDM6000.REMOTEAMN.REF.3150.NR -w <server> -e
```

c. Should it be necessary to de-install the upgrade:

```
nvdm rem IBM.NDM6000.REMOTEADMIN.REF.3150.NR -w <server>
```

- **NON-REMOVABLE**

a. To upgrade the server:

```
nvdm inst IBM.NDM6000.REMOTEADMIN.REF.3150.NR -w <server> -e -n
```

Scenario Four: Upgrade TME 10 Software Distribution for AIX Client, Version 3.1.5

This scenario is used to update an AIX Client running TME 10 Software Distribution, Version 3.1.4 for AIX Client, to Version 3.1.5; the upgrade requires the client to be rebooted.

Pre-Requisites

- TME 10 Software Distribution, Version 3.1.4 is installed at the AIX client

AIX Upgrade Procedure: On an AIX Preparation Site do the following:

1. Create the directory /prep and go there
2. Download the following binary file from the /SD4AIX/update/ directory on the PTF U469697 CD-ROM into the /prep directory:
AIXC3150.TARZBIN
3. Rename the above file to AIXC3150.TARBIN.Z using the command
mv AIXC3150.TARZBIN AIXC3150.TARBIN.Z
4. Uncompress the file AIXC3150.TARBIN.Z using the command
uncompress AIXC3150.TARBIN.Z
5. Unpack the TAR file using the command
tar -xvf AIXC3150.TARBIN
6. Prepare the client Change File using
nvdm bld /prep/profile
7. Exit from that directory.

From any administration site use the following commands:

```
nvdm inst -vs IBM.NDM6000.CLIENT.REF.3150 -w <target> -e
```

```
nvdm cat IBM.NDM6000.SCRIPT.REF.3150 /prep/linkrbasy -o Procedure
```

```
nvdm act -w<target> -f
```

Should it be necessary to de-install the upgrade use the following commands:

Installation Scenarios for AIX

```
nvdm rem -vs IBM.NDM6000.CLIENT.REF.3150 -w <target>
```

```
nvdm act -w <target> -f
```

Scenario Five: Upgrade TME 10 Software Distribution for AIX Client to Version 3.1.5 Without Rebooting

This scenario is used to update an AIX client running TME 10 Software Distribution, Version 3.1.4 for AIX Client, to Version 3.1.5; the upgrade does not require the client to be rebooted.

Pre-Requisites

- TME 10 Software Distribution, Version 3.1.4 is installed at the AIX client

AIX Upgrade Procedure: On an AIX Preparation Site do the following:

1. Create the directory /prep and go there
2. Download the following binary file from the /SD4AIX/update/ directory on the PTF U469697 CD-ROM into the /prep directory:
AIXC3150.TARZBIN
3. Rename the above file to AIXC3150.TARBIN.Z using the command
mv AIXC3150.TARZBIN AIXC3150.TARBIN.Z
4. Uncompress the file AIXC3150.TARBIN.Z using the command
uncompress AIXC3150.TARBIN.Z
5. Unpack the TAR file using the command
tar -xvf AIXC3150.TARBIN

From any Administration Site:

1. Prepare the client Change File using
nvdm bld /prep/profile.nonreboot
2. Exit from that directory.
3. You can upgrade the client in a REMOVABLE or a NON-REMOVABLE way:

- **REMOVABLE**

- a. Enable the REMOVABLE option:

```
nvdm cat IBM.NDM6000.CLIENT.REF.3150.EXECC /prep/_fndexecc.sh ►  
-o Procedure
```

```
nvdm exec IBM.NDM6000.CLIENT.REF.3150.EXECC -w<target>
```

- b. To upgrade the client:

```
nvdm inst IBM.NDM6000.CLIENT.REF.3150.NR -w <target> -e
```

- c. Should it be necessary to de-install the upgrade:

```
nvdm rem IBM.NDM6000.CLIENT.REF.3150.NR -w <target>
```

- **NON-REMOVABLE**

- a. To upgrade the client:

```
nvdm inst IBM.NDM6000.CLIENT.REF.3150.NR -w <target> -e -n
```

APARs Fixed in TME 10 Software Distribution, Version 3.1.5

The following list contains APARs which have been fixed in TME 10 Software Distribution, Version 3.1.5

Updates contained within Fixpack 99/10 to TME 10 Software Distribution, Version 3.1.4 for AIX

This section provides the user with information about updates to the software product that were present in AIX Fixpack 99/10.

- New environmental variable FNDGIMAXTARG.
- MAX SNA CONNS keyword added in nvdm.cfg.
- New environmental variable FNDLOGMSEC.
- fndpc utility.
- Performance Enhancements introduced with the last AIXS3140 package of fixes.
- AUTOMATIC TARGET INVENTORY keyword added in nvdm.cfg.
- New environmental variables HIDE_HIST_CM_PB and FNDPRR.
- fndcount utility.
- New environmental variable GI_SEM_RETRY_TIME
- New environmental variable FND_MAXORDQ
- Memory mapping

DEF12301 - - newoption -c for stattg command: A new option has been added to stattg command:

```
nvdm stattg [target] -c
```

the enhancement allows to receive a state of AVAILABLE only when the Agent running on the target has the same name of the requested target. Otherwise a state of UNKNOWN will be shown.

DEF12184 - PMR10338 - new environment variable SXUSRAUTO: The new environment variable SXUSRAUTO has been added in order to activate the user exit for manual target registration on auto registration.

DEF12181 - PMR21393 - new environment variable FNDGIMAXTARG: The new environment variable FNDGIMAXTARG has been added in order to customize the number of targets shown in the GUI target windows. The variable can be set to a value between 100 and 10000. If omitted the default of 1000 targets is maintained.

DEF11870 - PMR17633 - MAX SNA CONNS keyword in nvdn.cfg: A new keyword has been added in the base configuration file to control the upper limit to the number of simultaneously active SNA connections.

The syntax for the new keyword is:

MAX SNA CONNS: <INTEGER VALUE>

The default value is 100 while the maximum value is 500. In the original product design the limit was fixed at 100.

DEF11968 - PMR46442 - FNDLOGMSEC environmental variable: A new environmental variable: FNDLOGMSEC has been added to control the format of the timestamp in the fndlog. Set the FNDLOGMSEC variable to any value and the format of the timestamp will switch to: YYYY/MM/DD HH:MM:SS:mmm (mmm: thousandths of second)

This format is suitable for performance measurements, but will prevent the log GUI window from showing the log messages. Unset the FNDLOGMSEC variable to have the following format for the timestamp: YYYY/MM/DD HH:MM:SS.

This format will allow the log GUI window to show the filtered log messages properly.

DEF11899 - fndpc utility to customize clkient installp images: The fndpc script which is now found under the /usr/lpp/netviewdm/script directory permits to customize the installp images for SD AIX clients, to have the clients automatically configured to connect to the proper server after installation.

Before installing a Client, the Client installation package should be unpacked at the Server to which the client will eventually be attached. This enables the Base Node Configuration file that will be installed at the Client to reflect the name and TCP/IP Port of the Server.

The process is:

Follow the process outlined in the manual for copying the install package from the medium it is delivered on, to /usr/sys/inst.images (this can be done using SMIT). Then type the following (you must have root authority)

```
/usr/lpp/netviewdm/script/fndpc
```

DEF11600 - PMR42429 MLPERF04 DB - cindex sync mechanism: Above defect is part of the performance review required by a customer over SD4AIX 3.1.4 during May-July 1997.

MLPERF04 DB Description:

- from SDtracing and AixKerneltracing debug, sounds like most (60%) of the time spent in a typical FP loop (fndrhpt), is spent inside cindex sync mechanism while accessing DB. Cindex sync mechanism is implemented in different way (relaying on OS caching, and unix sync activity), if customer set the following statement inside "/etc/environment" file. "cindex_sync_freq=deferred".

Effect: both from an atomic time perspective, and from a distribution-wide perspective, performances were increased by nearly 60%. For users that are likely to "power-off" their AIX system for "crash testing", a set of "sync" commands are now suggested to preserve DB integrity.

DEF11601 base_sv PMR42429 MLPERF05 STS - permanent connection

A: The above defect is part of the performance review required by a customer over SD4AIX 3.1.4 during May-July 1997.

MLPERF05 STS Description:

- during a typical customer distribution (1FP addressing 1200 requests to remclients, via 3 intermediate nodes) fndsts tasks are serving, continuously, 3 remote connections, but the sts_task and connections going up/down game a sensible overhead in the distribution.

Sensible improvement could be achieved (at the cost of having "permanent" connections opened, and one sts task for each connection being served), by setting (now) the environment variable "sts_perm_conn=yes" inside "/etc/environment".

Setting: - set consistently sts_idle_time on all network levels - set above env_var where above behavior wanted (suggestion is FP and SERVERS)

Effect: just few sts tasks are started once, kept up in case of constant traffic rate, and do all the work for the connection they serve.

Customer without constant traffic rate per connection, may want to use the old (default) behavior to save memory usage (number of sts tasks).

If new behavior being used, and sts_idle_time now set consistently on the different network layers, remote end may shut connection, and sts task get warning msg RX019W.

IX71516 - Def11679 - Automatic target inventory: A new keyword will be added in the nvdm.cfg configuration file at server:

AUTOMATIC TARGET INVENTORY: YES/NO

Set to NO an automatic inventory will not be scheduled by addtg command. Set to YES an automatic inventory will be scheduled by addtg command. The default is NO.

This modification does not change the AUTOMATIC TARGET REGISTRATION: if this is set to yes, then the automatic inventory will be always scheduled

IX72797 - Def11695 - Target history performance using GUI: A new environmental variable `HIDE_HIST_CM_PB` has been introduced: if this variable is set (i.e. by command `export HIDE_HIST_CM_PB=YES`) the performances are improved but the CM push button on the dialog are not displayed.

IX78694 - Def 1812 - Process Report Rate and fndcount utility.: The new environmental variable `FNDPRR` has been added in order to improve report processing management.

Each report is first stored in the Request Handler Input Queue (RHIQ), then it's transferred into the Request Handler Ordered Queue (RHOQ). The product keeps on reading reports from RHIQ until the queue is empty: so if many reports comes back to the IQ the product locks some resources until there are reports in the queue.

The `FNDPRR` variable defines the number of reports processed before the product stops reading the RHIQ. Therefore the product will keep on reading reports from the RHIQ until there are no reports in the queue OR until the number of reports read without interruption is less or equal to `FNDPRR`.

The minimum value is 1 the maximum is 65535: if no value is set the product behavior will remain unchanged.

The value of `FNDPRR` should be tuned to ensure a correct balancing of report processing and request processing. Low `FNDPRR` values ensures that, when there are many reports in the RHIQ, the reports/requests in the RHOQ will be processed in a reasonable amount of time.

In conjunction with this new environment variable it has been added the `fndcount` utility: it returns the actual number of entries in the Request Handler Input and Ordered queues, avoid the issuing of the command `'nvdm lsrq'` to obtain the above information. The `fndcount` utility is installed on the tool directory.

DEF11754 - IX76744 - New environmental variable `GI_SEM_RETRY_TIME`: The new environmental variable `GI_SEM_RETRY_TIME` has been added: it defines the time the GUI has to wait to be started before logging the error message `FNDGI079E`. The time must be specified in seconds.

DEF11795 - - New environmental variable `FND_MAXORDQ`: The new environmental variable `FND_MAXORDQ` has been added in order to customize the maximum number of report/request that can be stored in the Request Handler Ordered Queue. The minimum value is 500, the default value is 2500. The maximum value is equal to the number that can be held in 4 bytes (about 4Gi).

Memory Mapping I/O

Software Distribution constantly uses two I/O structures to manipulate and to share data: the queues and the DB. This causes the product to be I/O bound, rather than CPU bound. Logically, the speed in which application instructions are processed on a system is proportionate to both the number and the speed of access operations required to obtain data.

The absolute fastest access is obviously to store data in program-addressable memory, and essentially this simple statement is the basis to implement memory mapped I/O.

With these premises, we implemented memory mapped I/O only on two database files because of on going enhancement about queue capacity: the risk is to have too large memory mapped areas. It

was a real modular fix at low level that can be easily inserted and extracted.

This fixpack provides two new libraries: "libfnddb.a.server.map" and "libfnddb.a.admin.map". Depending on the option installed users should link the libfnddb.a library to one of the above files in order to have memory mapping I/O on its workstation. So on /usr/lpp/netviewdm/bin directory the user should issue:

```
In -sf /usr/lpp/netviewdm/bin/libfnddb.a.admin.map libfnddb.a
```

(Remote Admin Option installed)

```
In -sf /usr/lpp/netviewdm/bin/libfnddb.a.server.map libfnddb.a (Only Base Option installed)
```

In conclusion, mapping can be used to reduce the I/O overhead involved in writing and reading the contents of files. Once the contents of a file is mapped to an area of user memory, the file may be manipulated as if it were data in memory, using pointers to that data instead of input- output calls. The copy of the file on disk also serves as the paging area for that file, saving paging space if necessary.

The only exposure in losing vital product data is in case of power failure but this kind of exposure is ALWAYS present in usual buffered I/O.

Tests on trivial commands like database initialization during the start, submission of requests, listing of database objects showed a gain in performance of values between 20-30%, but consider that more the performed activities are database oriented, more is, obviously, the gain.

The two database files mapped in memory are "cmstatus" and "userreq". To have an evaluation of the growth in the sizes of these database files (and so to evaluate which is the required memory), the following average values are available:

* userreq nf = number of NvDM commands in the plan nd = number of domain addressed per entry/function nt = number of targets addressed per domain

space needed in Kb = $10 + (15 * nf) + (2 * nd) + (0.5 * nt)$

* cmstatus

160 bytes * (number of targets) * (number of change files)

For Example: If a plan contains 10 NVDM commands, is sent to two domains, each with fifty targets the memory required would be:

$214Kb = 10 + (15 * 10) + (2 * 2) + (0.5 * 100)$

Updates from TME 10 Software Distribution 3.1.4 + Fixpack 99/10 to TME 10 Software Distribution, Version 3.1.5 for AIX

AIXS3150 package solves the following Software Distribution for AIX problems:

- PJ24040 - Def10814 - Send fails for not enough disk space with errors FNDCC007E and FNDCM179E
- IX67385 - Def10995 - Missed 'Activate' and 'Inventory' requests
- IX67388 - Def11092 - Inventory.dataAcquired token missed in the GUI
- IX66706 - Def11170 - 'Not Authorized' value for Change Management Status is missed defining a rule for a dynamic group
- IX67849 - Def11204 - Deleting targets owing to some group the trgrp file Def11369 is corrupted.
- PMR6281X - Def10840 - Error message FNDCO144E: function ... trying to free a memory at address
- IX67848 - Def11380 - Invalid compression info in SNA/FS format
- IX65982 - Def11047 - For function EXECUTE FILE in a Plan the window 'Select Global name with filter' is displayed instead of ' Select Import File'
- IX66281 - Def10787 - 'Ignore' option for ACCEPT in a plan
- IX66485 - Def11149 - Updating a plan there are problems with VERIFY CM
- IX67594 - Def11196 - Slow CM history display Def11227
- IX68362 - Def11334 - ODM problem installing installp CF
- IX66779 - - FNDCM321E message
- IX68618 - Def11431 - Request details after select an object name as filter
- IX67715 - Def11439 - Double entries in the product list
- IX67716 - Def11440 - Products title cut
- IX67594 - Def11445 - Slow performance in CF History
- IX67282 - Def11457 - Inventory PB not enabled
- IX62960 - Def11459 - Trailing black cut off
- IX68805 - Def11482 - Wrong limit for 'Disk Space'
- IX68675 - Def11488 - Incorrect list of a plan
- IX68777 - Def11507 - Requests remain in ordered queue
- IX68418 - Def11509 - Plan step not starting
- IX68420 - Def11511 - fndrhpt dumps after FNDRQ068W message
- IX66178 - Def11513 - Targets filter using a rule....
- PJ24729 - Def11529 - DVASTS dumps on WAN connection
- IX69271 - Def11550 - Activate with later execution
- IX69301 - Def11558 - Initiate with send option from NvDM/MVS fails

- PJ23971 - Def11559 - LZW error
- IX69270 - Def11567 - nvdmgj process not closed
- IX69481 - Def11569 - GUI aborts installing a CF on 850 targets (about)
- IX69411 - Def11570 - Change file names > 32 char are cut in request window
- IX69483 - Def11575 - Performance problem for Scheduler process
- IX69597 - Def11581 - Problems with (about) 66 targets Groups
- IX69076 - - Request Handler abort
- IX69557 - Def11590 - Report loop
- IX69612 - Def11582 - HW inventory parameters not added
- IX69034 - Def11592 - Incorrect CM status display
- PMR06652 - Def11373 - DHCP: sw_access_sem errnp=6 for duplicate IP address
- IX68779 - Def11508 - Activate reports processed slowly
- PJ24644 - Def11468 - Error during compression of small files
- IX69931 - Def11606 - Error in parsing routetab
- IX69654 - Def11607 - Blank window showing a recursive plan by GUI
- IX68885 - Def11608 - Error in file_name with CREATE DIRECTORY
- IX70164 - Def11610 - Abort creating a group > 1000 targets
- IX70819 - Def11614 - updtg allows duplicate rgn.ren
- IX70444 - Def11615 - rentg by GUI fails at second time
- IX70817 - Def11618 - RH abort with activate report
- IX70765 - Def11619 - CTRL-C causes hang
- IX70618 - Def11620 - FNDRQ116W without target name logged
- IX70776 - Def11625 - invalid size for RR request block
- IX67775 - Def11627 - CM status not shown for a FP
- IX70980 - Def11629 - Invalid correlator in FNDRS015I and FNDRS011I
- IX70900 - Def11630 - Narrow status column for File History
- IX71018 - Def11631 - fndtiv fails if aliases in hostname
- IX71002 - Def11634 - Auto-delete of targets fails from CC Server at FP
- IX71155 - Def11640 - History dialog performances
- IX66706 - Def11648 - 'Not Authorize' in filter rule
- IX71479 - Def11650 - Deleting a 'Scheduled' ExecPlan
- IX71658 - Def11651 - Installation Parameter deleted
- PJ24729 - Def11529 - DVASTS dump om WAN connections
- IX71413 - Def11639 - destination field of userexit not filled

APARs Fixed in TME 10 Software Distribution, Version 3.1.5

- IX71328 - Def11642 - fndrhpt abort: fatal error 324, rc 104
- IX70306 - Def11656 - rtrvf function into a plan profile
- IX71451 - Def11657 - fndtr loop
- PJ24870 - Def11602 - Multiple CF build commands
- IX71452 - Def11654 - Target name truncated to 25 characters
- IX68989 - Def11681 - Exec plan against an empty dynamic group
- IX71516 - Def11679 - Automatic target inventory
- IX72183 - Def11685 - Error adding targets to a group
- IX72065 - Def11682 - Memory leak problem
- IX72317 - Def11688 - Problems using GUI to enter userid and password
- IX72797 - Def11695 - Target history performance using GUI
- IX72354 - Def11692 - Install a CF with a wrong post-install
- IX72632 - Def11690 - Wildcard at beginning of target name
- IX73203 - Def11719 - Wrong statistics listing requests
- IX72721 - Def11700 - Scheduler dumps after prioritizing requests
- IX73204 - Def11699 - Expired STS requests are not delete immediately
- IX73749 - Def11728 - Dynamic group performance
- IX73748 - Def11732 - Invalid status "Status does not exists"
- IX73175 - Def11727 - Gui dumps filtering targets
- IX73202
- IX74403 - Def11746 - Renaming Server using GUI
- IX74035 - Def11744 - Error submitting inventory request using GUI
- IX74003 - Def11741 - fndrhpt abort deleting a request
- IX74002 - Def11740 - Plan phase remains in waiting status
- IX74276 - Def11733 - Invalid 'CONDITION' tag in a CF profile
- IX72671 - Def11696 - Connection failure with a V 1.x clients
- IX75065 - Def11748 - STS hangs if \$(TARGETLIST) greater then 4000 targets
- IX75176 - Def11773 - Backup Restore Tool during production activities
- IX74460 - Def11747 - nvdm stat does not show all the connections
- IX71978 - Def11678 - Remote queues remain in hold status after start
- IX73201 - Def11725 - The restart of a plan doesn't work
- IX78694 - Def11812 - Queue shuffling problem
- IX75636 - Def11815 - Hold queue status after nvdm start
- PJ25472 - Def11824 - Nvdm commands from a SUNOS agent

- IX78179 - Def11826 - Duplicate fetch reports cause fndrhpt abort
- IX76067 - Def11830 - Incorrect date accepted
- IX77792 - Def11831 - fndrhpt aborts after message FNDRQ101E
- IX75785 - Def11832 - Messages not logged on client during an installation
- IX77769 - Def11833
- IX78224 - Def11834 - nvdm stattg command permission
- PJ25500 - Def11835 - Server queue stops when the execution time of an activation is submitted from MVS Host
- IX78277 - Def11836 - Duplicate request number wrongly generated
- IX78346 - Def11837 - Command line hangs up when session is disconnected
 - - Def11846 - Change file status not correctly updated
- IX79160 - Def11862 - Report for execf request flows also to the FP
- IX79331 - Def11864 - uicfg file name equal to AIX userid
- IX73760 - Def11781 - Scheduler aborts after message FNDRS012
- IX76247 - Def11801 - Messages not logged in GUI windows
- IX77647 - Def11828 - Autoregistration problem
- IX75214 - Def11776 - Internal state error stopping scheduler with fndsts active
- IX76069 - Def11796 - Problems with RETRVF using GUI
- IX75789 - Def11378 - FNDRX102W messages
- IX75939 - Def11782 - Performances in CM and FS functions using GUI
- IX76186 - Def11800 - Wrong scheduled status
- IX75146 - Def11783 - Wrong 'Destination Filename' in SEND FILE :w
- IX76744 - Def11754 - GUI Timeout
- IX74664 - Def11763 - Format Error on SNA file transfer
- IX79630 - Def17633 - MAX SNA CONNS keyword in nvdm.cfg for the maximum number of simultaneous SNA connections
- IX88807 - Def12118 - Invalid data type used in NG queues
- IX89234 - Def11888 - Using the not before/not after switches with dates greater than Y2K gives FNDCL036E
- IX89118 - Def11955 - fndni abort with no message in the fndlog nor in the AIX error log
- IX88854 - Def11968 - The log GUI window doesn't show any message
- IX88785 - Def12062 - Server hang when the CLI receives SIGHUP
- IX82241 - Def11905 - The OBJECT SIZE field in SNA/FS structure is filled with dirty characters
- IX89126 - Def11934 - OS/2 EA's are lost in SNA encoding

APARs Fixed in TME 10 Software Distribution, Version 3.1.5

- IX87525 - Def11999 - lsq command shows no distribution on the queue
- IX73795 - Def11885 - fndrhpt abort with error 129, rc = 1e
- IX80304 - Def11886 - Argument list too long in fndclres.bsh when issuing nvdm reset
- IX81603 - Def11897 - FNDNRQ174E processing install report on Middle Managers
- IX81165 - Def11899 - fndpc script to customize SD for AIX client installp images to automatically configure nvdm.cfg
- IX81871 - Def11900 - File corruption on APPC
- IX79163 - Def11863 - Too many entries in the target window
- IX85740 - Def11971 - STS connection hang
- IX86482 - Def11980 - target installation parameters are wrongly updated
- IX86948 - Def12008 - alert.cfg is not properly updated by fndupdal
- IX89235 - Def12012 - Core dump during nvdm prtq operation
- IX88560 - Def12013 - nvdm delcm and lscm commands do not properly handle wildcards.
- IX88833 - Def12044 - Failed to read target database trying to perform a send operation from the GUI
- IX88554 - Def12053 - Transmission controller aborts uncompressing SNA compressed files
- IX87431 - Def12060 - fndrhpt aborts after message FNDNRQ101E processing an installation report
- IX88786 - Def12061 - The GUI CM history window aborts when displaying more than 20000 records
- IX88684 - Def12065 - Period of activity cannot be changed from GUI
- IX88361 - Def12067 - AIX uninstall and remove drivers performances
- IX88972 - Def12070 - fndrhpt aborts with unexpected error 2008 at trap 54
- IX82648 - Def12071 - Segmentation fault when using nvdm stat and nvdm lsq
- IY01155 - Def12155 - Nvdmgi consumes a lot of CPU time, refreshing catalog
- IY02313 - Def12167 - Invalid data type in rs_report FNDRS012E logged
- - Def12185
- IY02950 - Def12178 - Errors FNDFS030E and FNDUC315W building a plan
- IY03324 - Def12180 - FNDUC343E error changing plan profile
- IY03233 - Def12181 - GUI truncation of target windows after 1000 targets
- IY03501 - Def12182 - FNDEN062E error at trap 14/18/22 with rc=101/104
- IY04227 - Def12184 - User exit for automatic target registration
- IY04900 - Def12213 - Memory leak of fndcmps agent

Last Memo Update

- IX76839 - Def12286 - DELETE command in a plan doesn't work on SNA connection
- IY08364 - Def12289 - User Exit doesn't start on auto registration

- IY08654 - Def12288 - Command lscm * -w * fails with error FNDCL122E
- IY06212 - Def12230 - Request Handelr aborts on a cancel of a deleted request
- IY06286 - Def12250 - nvdmgui GUI process not correctly terminated when the main GUI task receive a HANGUP signal
- IY07300 - Def12277 - "Select Target with Filters" window is missing from the "Filtered targets" panel
- IY08580 - Def12278 - Files not removed if present in other installation
- IY08672 - Def12278 - Files not removed if present in other installation
- IY08585 - Def12279 - Command line returns RC=0 even in case of error
- IY08583 - Def12279 - Command line returns RC=0 even in case of error
- IY08641 - Def12005 - WIN98 Target OS added
- IY08642 - Def12199 - Completion reports for execf commands
- IY08652 - Def12207 - FNDCLB87E during build of change file
- IY08653 - Def12212 - Problem with global names greater than 49 chars.
- IY09159 - Def12285 - Dynamic change files installed even if the dynamic condition not satisfied
- IY09155 - Def12216 - Signal 11 during catalog cancellation
- IY10296 - Def12124 - Target status AVAILABLE instead of BUSY in GUI
- IY09156 - Def12193 - Unbuild operation creates empty files instead of directories
- IY07019 - Def12091 - Domain address disappear adding a target from GUI
- IX71101 - Def11636 - Syntax error in /ETC/TRCFMT
- IX88361 - Def12067 - Performance problem on AIX generic remove and uninstall drive
- IX89234 - Def11888 - Y2K dates in common routine
- IY12310 - - Failing to update target via GUI
- IY12741 - Def12267 - FNDRB147E when issuing the RELQ command
- IY06841 - Def12217 - Software Distribution for AIX Server GUI truncates a large display of local queues
- IY07009 - Def12141 - FNDCC0034E requesting history from GUI of a not available target