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Chapter 1. NetView Distribution Manager/2 2.1 to TME 10 Software Distribution 3.1.3 for OS/2 Migration Scenario

This scenario explains how to migrate from the NetView Distribution Manager/2 2.1 product to the TME 10 Software Distribution 3.1.3. for OS/2.

Environment

The following is the environment used in this scenario:

A LAN with a NetView Distribution Manager/2 2.1 server connected to a NetView Distribution Manager for MVS 1.6.1 focal point through LU 6.2

The NetView Distribution Manager/2 2.1 server connected with its clients through NetBIOS

The preparation site is a NetView Distribution Manager/2 2.1 server connected to a NetView Distribution Manager for MVS 1.6.1 focal point.

The following steps apply, if not otherwise specified, to the OS/2, AIX, NetWare, and Windows NT environments for the server platform, and to NetBIOS and TCP/IP connection protocols for Client/Server connections. The migration applies to each LAN selected to be migrated.

Note:

If the object that you want to move from NetView Distribution Manager/2 2.1 to the Software Distribution 3.1.3 catalog is a change file and its object type is FLATDATA, it is re-cataloged in Software Distribution 3.1.3 as a SOFTWARE object type.

You must use TCP/IP as the Client/Server protocol that connects TME 10 Software Distribution 3.1.3 clients to an AIX server workstation.

Only cataloged and INRU objects can be moved from NetView Distribution Manager/2 2.1 to the TME 10 Software Distribution 3.1.3 database.

Prerequisites

Before beginning this scenario be sure that you have performed the following tasks:

Completed all the NetView Distribution Manager/2 2.1 and NetView Distribution Manager for MVS 1.6.1 plans that are still in progress.

Performed an activate request to change the status of all the objects from IRA to IRU or INRA to INRU.

Performed an accept request to change the status of all the objects from IRU to INRU.

Downloaded the TME 10 Software Distribution 3.1.3 prerequisite products to the NetView Distribution Manager/2 2.1 preparation site.

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Downloaded the TME 10 Software Distribution 3.1.3 CID code images plus the the XR21382 CSD to the NetView Distribution Manager/2 2.1 preparation site as described in the XR21382 CSD README file available with the product.

Installed the R8200 level or later of MPTS and
he UN57064 level or later of NFS using NetView Distribution Manager/2

Make sure that you have installed the MPTS protocol stacks both for TCP/IP and NetBIOS on every workstation in the LAN. This is necessary because the TME 10 Software Distribution (which uses TCP/IP and NetBIOS frames) and NetView Distribution Manager/2 (which uses NetBIOS frames) will be running simultaneously in a client/server environment during the migration.

Installed NetView Distribution Manager/2 2.1 and the related images at level 5. You reach level 5 by applying the XREFP03 package.

If the image root directory is SHARE_A\IMG, the product CID directory image structure is as follows:

```
SHARE_A\IMG\|
            |   |\SD4OS2\|
            |               |\PRISTINE
            |               |\SAMPLES\
            |                           |\NVDM2\|
            |                                       |\NETBIOS
            |                                       |\TCPIP
            |               |\TOOLS
            |               |\IMAGES
            |                           |.
            |                           |..
            |                           | EPFISINC.PKG
            |                           | INSTALL.EXE
            |                           | INSTALL.IN_
            |                           | NVDMCAT.ICF
            |                           | NVDMDSC.DSC
            |                           | NVDMPKG.PKG
            |                           | SDISTCLT.RSP
            |                           | NVDMPKG.OKG
            |                           | NVDMPKG.NKG
            |                           |\CLT
            |                           |\DSKCAM
            |                           |\MOB
            |                           |\NETFIN
            |                           |\PREPCLT
            |                           |\PREPSRV
            |                           |\SRV
            |
            |\RSP\|
            |           |\SD4OS2
            |\PRO
```

Be sure to unpack all the zip package files stored under the subdirectories.

Migration Part One. Preparing Objects

This part explains how to prepare the response files, the change file profiles, and the change files that you need to run this scenario. You must perform these tasks at a NetView Distribution Manager/2 preparation site.

The samples of TME 10 Software Distribution 3.1.3 response files are stored in the SAMPLES\NVDM2\NETBIOS or in the SAMPLES\NVDM2\TCPIP depending on the environment in which you run the scenario.

The samples of the NetView Distribution Manager/2 change file profiles are stored in the SAMPLES\NVDM2 directory.

Step 1. Prepare the TME 10 Software Distribution 3.1.3 response files for the server and the client to perform a CID installation in a TCP/IP and NetBIOS environment In this scenario we used the <workstation name>.rsp name to create a unique change file for the CID installation.

Step 2. Store the response files in the CID_IMG\RSP subdirectory.

Because NetView Distribution Manager/2 is case sensitive for workstation names, logical units, networkid, etc., you must use upper case for the names in the response file.

TCP/IP Only

The example of server response files you must use if the TME 10 Software Distribution server has to be installed on an OS/2 machine follows. If the TME 10 Software Distribution server is installed on an AIX workstation use the client response file only.

```
;;;
```

```
; Software distribution System Name. This identify the system in the network
; mandatory
SystemName     =  LT 235A

; Network drivers and Network addresses
; You may specify four types of Driver keywords. The value used is 1 or  .
; Parm1 keyword is required for NETBIOS and SERIPC Driver.
; mandatory
Driver.TCPIP = 1

; To have the possibility to define remote servers. Value may be YES or NO
EnableRemoteCommunication = YES

; SDS Local Domain address. Default value is the SystemName
; It is up 8 characters long
LocalDomainAddress = LT 235A

; SDS Local Target address. It must be equal to the LocalDomainAddress
; It is up 8 characters long
LocalTargetAddress = LT 235A

; The following group, beginning with DomainAddress  and ending
; with AutomatedTargetAction , defines a remote server.
; You can define more than one remote server increasing the number
; at the end of the string

; Domain name. Can be up to 8 characters long. Can be defined more than one.
; You can use the    for the domain name.
; It is mandatory if you want to define a remote target.
DomainAddress  = ITIBM PC

; Specifies the identifier of the server. Can be up to 8 characters long
; You can define more than one identifier.
; You can use the    for the server identifier.
; It is mandatory if you want to define a remote target.
TargetAddress  = D3C73D 1

; Specifies the Protocol.
Protocol  = APPC

; Specifies the Alias for the LUname. Can be up to 8 characters long.
LUAlias  = LT 235A

; Specifies the mode. Can be up to 8 characters long.
ModeName  = LU62

; Specifies the identifier of the remote network.
; Can be up to 8 characters long.
; It makes sense only if you specify
; Protocol=APPC and it is mandatory if DomainAddress=  )
RemoteNetworkId  = ITIBM PC
```

```
; Specifies the identifier of the remote LUname.
; Can be up to 8 characters long.
; It makes sense only if Protocol=APPC and it is mandatory if
; TargetAddress =  )
RemoteLUName  = D3C73D 1

; Specifies the remote network address. Can be up to 8 characters long.
; It make sense only if Protocol=TCP/IP
; RemoteHostName  = $(RemoteHostName )

; Specifies if the server is a focal point.
; Only one server can be defined as focal point. The value can be YES or NO
FocalPoint  = YES
```

The key FNDNOTC=YES is set in the response file so that the config.sys is updated with the statement SET FNDNOTC=YES. This statement prevents the TME 10 Software Distribution 3.1.3 transmission controller component from starting when TME 10 Software Distribution 3.1.3 starts after installation. This prevents from communication problems when the NetView Distribution Manager/2 and the TME 10 Software Distribution 3.1.3 products are simultaneously active.

An example of the client response file to use if you are in a TCP/IP environment follows:

```
;;;
```

```
; Software Distribution components to install
COMP = Distribution Server
COMP = Distribution Server GUI
COMP = Distribution Server Documentation
COMP = Hw/Sw Discovery Tool

DELETEBACKUP = No
SAVEBACKUP    =  Yes
CFGUPDATE     =  Auto
OVERWRITE     =  No

; Software distribution System Name. This identify the system in the network
; mandatory
SystemName    =  LT 235A

; Network drivers and Network addresses
; You may specify four types of Driver keywords. The value used is 1 or  .
; Parm1 keyword is required for NETBIOS and SERIPC Driver.
; mandatory
Driver.NETBIOS = 1
Parm1.NETBIOS   =  LT 235A

; To have the possibility to define remote servers. Value may be YES or NO
EnableRemoteCommunication = YES

; SDS Local Domain address. Default value is the SystemName
; It is up 8 characters long
LocalDomainAddress = LT 235A

; SDS Local Target address. It must be equal to LocalDomainAddress
; It is up 8 characters long
LocalTargetAddress = LT 235A

; The following group, beginning with DomainAddress  and ending
; with AutomatedTargetAction , defines a remote server.
; You can define more than one remote server increasing the number
; at the end of the string

; Domain name. Can be up to 8 characters long.
; You can define more than one domain.
; You can use the   for the domain name.
; It is mandatory if you want to define remote target.
DomainAddress  = ITIBM PC

; Specifies the identifier of the server. Can be up to 8 characters long
; You can define more than one server identifier.
; You can use the   for the server identifier
; It is mandatory if you want to define a remote target.
TargetAddress  = D3C73D 1

; Specifies the Protocol.
Protocol  = APPC
```

```
; Specifies the Alias for the Luname. Can be up to 8 characters long.
LUAlias  = LT 235A
; Specifies the mode. Can be up to 8 characters long.
ModeName  = LU62

; Specifies the identifier of the remote network.
; Can be up to 8 characters long.
; It make sense only if Protocol=APPC
; It is mandatory if DomainAddress =  )
RemoteNetworkId  = ITIBM PC

; Specifies the identifier of the remote LUname.
; Can be up to 8 characters long.
; It make sense only if Protocol=APPC.
: It is mandatory if TargetAddres=  )
RemoteLUName  = D3C73D 1

; Specifies if the server is a focal point.
; Only one server can be defined as focal point. The value can be YES or NO
FocalPoint  = YES
```

The key FNDNOTC=YES is set in the response file so that the config.sys is updated with the statement SET FNDNOTC=YES. This statement prevents the TME 10 Software Distribution 3.1.3 transmission controller component from starting when TME 10 Software Distribution 3.1.3 starts after installation. This prevents communication problems when the NetView Distribution Manager/2 and the TME 10 Software Distribution 3.1.3 products are simultaneously active.

An example of the client response file to use if you are in a NetBIOS environment follows:

```
;;;
```

```
TARGETDIR=SA:\
SECTION CATALOG
 BEGIN
   OBJECTTYPE=SOFTWARE
   GLOBALNAME=TME1 .SD.IMAGES.REF.1
 END

SECTION FILESPECLIST
BEGIN
  \IMG\SD4OS2\ .   /IS
END
```

Step 4. Prepare the change file profiles that contain the TME 10 Software Distribution 3.1.3 response files, using the INSTRSP.PRO change file profile (stored in the SAMPLES\NVDM2 directory) that follows:

```
TARGETDIR=SA:\
SECTION CATALOG
 BEGIN
   OBJECTTYPE=SOFTWARE
   GLOBALNAME=TME1 .SD.RSPFILES.REF.1
 END

SECTION FILESPECLIST
BEGIN
  \RSP\SD4OS2\ .
END
```

Step 5. Build the change files to install the TME 10 Software Distribution 3.1.3 client and server using the SDINSCLT.PRO change file profile that follows. The sdinsclt.pro file is stored in the SAMPLES\NVDM2 directory.

```
TARGETDIR=D:\
section catalog
 BEGIN
     OBJECTTYPE = SOFTWARE
     globalname = IBM.TME1 .CLIENT.REF.1
 END

section install
BEGIN
 PROGRAM            = $(SOURCEDIR)\INSTALL.EXE
 PARMS              = /s:$(SOURCEDIR) /r:$(RESPONSEFILE) /L1:$(logfile1)
                      /L2:$(logfile2)  /A:I/
 SOURCEDIR          = SA:\img\sd4os2\images
 RESPONSEFILE    = SA:\rsp\sd4os2\$(WORKSTATNAME).RSP
 logfile1          = SA:\LOGS\$(WORKSTATNAME).lg1
 logfile2          = SA:\LOGS\$(WORKSTATNAME).lg2
END
```

If you are not using a server on OS/2 platform ship the following step and go to „Prepare the TME 10 Software Distribution NDF file“

Step 6. TME 10 Software Distribution 3.1.3 Server on OS/2 Platform Only

An example of a server change file profile follows. Sample of server change file profiles are provided in the sdinssrv.pro file. The sdinssrv.pro file is stored in the SAMPLES\NVDM2 directory.

```
TARGETDIR=D:\
SECTION CATALOG
 BEGIN
    OBJECTTYPE = SOFTWARE
    GLOBALNAME = IBM.TME1 .SERVER.REF.1
 END
SECTION INSTALL
BEGIN
 PROGRAM = $(SOURCEDIR)\INSTALL.EXE
 PARMS      = /s:$(SOURCEDIR) /r:$(RESPONSEFILE) /L1:$(logfile1)
              /L2:$(logfile2)  /A:I/X
 SOURCEDIR          = SA:\img\sd4os2\images
 RESPONSEFILE     = SA:\rsp\sd4os2\$(WORKSTATNAME).RSP
 logfile1           = SA:\LOGS\$(WORKSTATNAME).lg1
 logfile2           = SA:\LOGS\$(WORKSTATNAME).lg2
END
```

Step 7. Prepare the TME 10 Software Distribution 3.1.3 NDF File

This step applies only if you are running the scenario using a TME 10 Software Distribution 3.1.3. OS/2 server, if you are using an AIX server skip this step and go to „Use the UPDCATLG.PRO Change File Profile“.

a. Prepare the Software Distribution 3.1.3 NDF file of the Communication Manager as described in the TME 10 Software Distribution 3.1.3 *Up and Running!* manual.

b. Build the change file containing the new NDF file to be replaced on the target server

   A sample of the NDF change file profile is contained in NDFFILE.PRO. An example of this change file profile follows:

```
TARGETDIR=C:\CMLIB

SECTION CATALOG
 BEGIN
      OBJECTTYPE = SOFTWARE
      GLOBALNAME = NEW.NDF.FOR.LT 235A .REF.1
 END

SECTION FILESPECLIST
 BEGIN
     PXPS 235.NDF
 END
```

c. To validate and update the new configuration, build a change file that contains the invocation to the CMVERIFY command in the install section.

   A sample of the change file profile is contained in NDFGFG.PRO, which follows:

```
TARGETDIR=C:\CMLIB

SECTION CATALOG
 BEGIN
   OBJECTTYPE = SOFTWARE
   GLOBALNAME = VERIFY.NEW.NDF.FOR.LT 235A .REF.1
 END

SECTION INSTALL
BEGIN
   PROGRAM = $(TARGETDIR)\CMVERIFY.EXE
  PARMS     =  $(TARGETDIR)\PXPS 235
END
```

Step 8. Use the UPDCATLG.PRO Change File Profile

On an AIX Server

This step explains how to prepare a change file profile to install and execute the FNDMIGTC.EXE utility. This utility transfers the information in the NetView Distribution Manager/2 2.1 catalog entries from the NetView Distribution Manager/2 2.1 to TME 10 Software Distribution 3.1.3. This utility requires the log file name, and the SEND input parameters.

You specify the SEND parameter to send to the TME 10 Software Distribution 3.1.3 for AIX server workstation the cataloged objects. The FNDMIGGTC.EXE utility is stored in the TME 10 Software Distribution product image\tools subdirectory. It interacts with the cdm list * /Ws NetView Distribution Manager/2 command to identify the entries to be translated in the TME 10 Software Distribution 3.1.3 catalog. Only the cataloged and INRU entries are considered.

If the object that you want to move from NetView Distribution Manager/2 2.1 to Software Distribution 3.1.3 catalog is a change file and its object type is FLATDATA, it is re-cataloged in Software Distribution 3.1.3 as a SOFTWARE object type.

The UPDCATLG.PRO change file profile follows:

```
TARGETDIR = D:\MIGCTLG

section catalog
BEGIN
 OBJECTTYPE = SOFTWARE
 globalname = UPDATE.SD.CATALOG.REF.1
END

SECTION FILESPECLIST
BEGIN
  FNDMIGTC.EXE
END

SECTION INSTALL
BEGIN
 PROGRAM = D:\MIGCTLG\FNDMIGTC.EXE
 PARMS      = D:\MIGCTLG\FNDMIGTC.LOG SEND
END
```

Note: You can skip this step if you do not want to save the NetView Distribution Manager/2 catalog information. In the Install section the SEND parameter has been added to send the local objects to the server workstation.

On an OS/2 Server

This step explains how to prepare a change file profile to install and execute the FNDMIGCT.EXE utility. This utility transfers the information in the NetView Distribution Manager/2 2.1 catalog entries from the NetView Distribution Manager/2 2.1 to TME 10 Software Distribution 3.1.3. This utility requires the log file name and the NOSEND parameter as input parameters.

You specify the SEND parameter to send the cataloged objects to the TME 10 Software Distribution server workstation. In this case you use the NOSEND parameter because the TME 10 Software Distribution 3.1.3 for OS/2 server has been installed on the same NetView Distribution Manager/2 server workstation and the local objects are already on the workstation.

The FNDMIGGTC.EXE utility is stored in the TME 10 Software Distribution product image\tools subdirectory. It interacts with the cdm list /Ws NetView Distribution Manager/2 command to identify the entries to be translated in the TME 10 Software Distribution 3.1.3 catalog. Only the cataloged and INRU entries are considered.

If the object that you want to move from NetView Distribution Manager/2 2.1 to Software Distribution 3.1.3 catalog is a change file and its object type is FLATDATA, it is re-cataloged in Software Distribution 3.1.3 as a SOFTWARE object type.

The UPDCATLG.PRO change file profile follows:

```
TARGETDIR = D:\MIGCTLG

section catalog
begin
 OBJECTTYPE = SOFTWARE
 GLOBALNAME = UPDATE.SD.CATALOG.REF.1
end

SECTION FILESPECLIST
BEGIN
  FNDMIGCT.EXE
END

SECTION INSTALL
BEGIN
 PROGRAM = D:\MIGCTLG\FNDMIGCT.EXE
 PARMS     = D:\MIGCTLG\FNDMIGCT.LOG
END
```

Note: You can skip this step if you do not want to save the NetView Distribution Manager/2 catalog information.

Step 9. Use the UPDFILES.PRO change file profile utility to build a change file to install and execute the DPFUPM.EXE utility

This step applies only if you are running the scenario using a TME 10 Software Distribution 3.1.3. OS/2 server, if you are using an AIX server skip this step.

The DPFUPM.EXE utility removes the cdm start statement from config.sys. The DPFUPM.EXE utility is stored in the TME 10 Software Distribution 3.1.3 IMG\SD4OS2\TOOLS product image subdirectory. The change file profile contains the following:

DPFUPM.EXE

UPDSTUP.TXT

It represents the input modification file to modify the startup.cmd. It contains the following statements:

- [c:\startup.cmd]
- Addline(AFTER:CDM START)
- rem cdm start
- Deleteline()
- cdm start

MIGCFG.TXT

It represents the input modification file to update config.sys. The change file profile used to update the config.sys is shown in the next step, „Use the UPDCONF.PRO Change File Profile“. The MIGCFG.TXT file contains the following statements:

- [c:\config.sys]
- Deleteline()

– set fndnotc=yes

The UPDFILES.PRO change file profile follows:

```
TARGETDIR = D:\UPDFILES

SECTION CATALOG
 BEGIN
    OBJECTTYPE = SOFTWARE
    GLOBALNAME = INSTALL.AND.EXEC.MODIFY.STARTUP.REF.1
 END

SECTION FILESPECLIST
 BEGIN
     DPFUPM.EXE
     UPDSTUP.TXT
     MIGCFG.TXT
 END

SECTION INSTALL
 BEGIN
   PROGRAM = $(TARGETDIR)\DPFUPM.EXE
  PARMS     =  /MOD:$(TARGETDIR)\UPDSTUP.TXT
 END
```

Step 10. Use the UPDCONF.PRO change file profile to build a change file that removes the SET FNDNOTC=YES statement from the config.sys file.

This step applies only if you are running the scenario using a TME 10 Software Distribution 3.1.3. OS/2 server. If you are using an AIX server skip this step. The UPDCONF.PRO change file profile contains the install section to invoke the DPFUPM.EXE program that passes the MIGCFG.TXT modification as an input parameter.

The UPDCONF.PRO change file profile follows:

```
TARGETDIR= D:\UPDFILES

SECTION CATALOG
 BEGIN
   OBJECTTYPE = SOFTWARE
   GLOBALNAME = MODIFY.CFG.REF.1
 END

SECTION INSTALL
 BEGIN
   PROGRAM = $(TARGETDIR)\DPFUPM.EXE
  PARMS     =  /MOD:$(TARGETDIR)\MIGCFG.TXT
 END
```

Step 11. Prevent the Transmission Controller from restarting.

This step applies only if you are running the scenario using a TME 10 Software Distribution 3.1.3. OS/2 server. if you are using an AIX server or if

you do not use the NetView Distribution Manager/2 dialog on your OS/2 server, skip this step and go to „Catalog the CDMSTOP.CMD Porcedure.“.

Your target machine might be configured so that when it restarts after a reboot, all the active applications that you have in the desktop are started. If your target machine is so configured, and the NetView Distribution Manager/2 is active and is configured to start automatically, Transmission Controller restarts even if you removed the `cdm start` command from the startup.cmd file.

To prevent that Transmission Controller from restarting do the following:

a. Start the NetView Distribution Manager/2 Dialog in the NetView Distribution Manager/2 preparation site.

b. Select **Engine** from the menu bar and then select **Startup options**. The Startup Options window appears.

c. Deselect the **Agent** and **Manager** push button and select the **Inactive** radio button for the Transmission Controller, then select OK. The startup.ooo file is created in the IBMNVDM2\BIN directory.

d. Copy the startup.ooo file on a directory

e. Build a change file to install it in the IBMNVD2\BIN using the STOPDLG.PRO change file profile.

The STOPDLG.PRO change file profile follows:

```
TARGETDIR = D:\IBMNVDM2\BIN

SECTION CATALOG
 BEGIN
   OBJECTTYPE = SOFTWARE
   GLOBALNAME = STOP.DIALOG.TC.REF.1
 END

SECTION FILESPECLIST
 BEGIN
  STARTUP.OOO
 END
```

Step 12. Use the /TXT option to catalog the CDMSTOP.CMD procedure that executes the CDM STOP command.

It is executed on the client after the installation of the TME 10 Software Distribution 3.1.3 for OS/2 product. You can use the CDMSTOP.CMD procedure stored in the SHARE_A\IMG\SD4OS2\SAMPLES/NVDM2 directory.

Enter the following command:

```
CDM CATALOG PROCEDURE EXECUTE.CDM.STOP FS:\CDMSTOP.CMD /TXT
```

Step 13. Use the NVDMUNIN.EXE utility to uninstall NetView Distribution Manager/2 2.1 from the clients and server.

Prepare a change file that contains the installation and the execution of the NetView Distribution Manager/2 NVDMUNIN.EXE utility, to uninstall NetView Distribution Manager/2 2.1 from the server and the clients. The NVDMUNIN.EXE utility removes the NetView Distribution Manager/2 2.1 from the server and clients of your network.

Download the NVDMUNIN.EXE utility from DM2TOOLS. Be sure that you use the utility contained in the DM2F4SDM package of the DM2TOOLS repository.

You cannot invoke NVDMUNIN.EXE directly from a client workstation because this utility is designed to be executed in attended way from the CID images directory of a server.

Run the NVDMUNIN.EXE utility unattended pass the YES.IMP file to the UNIN.CMD utility that invokes NVDMUNIN.EXE as follows:

```
/ /
'C:\DEINST\NVDMUNIN.EXE <C:\DEINST\YES.INP
exit rc
```

On the clients workstation you execute NVDMUNIN.EXE in a different directory from the NetView Distribution Manager/2 image directory. For this reason you must install also the ANXTAB_X.LST and SYSLEVEL._DM files in the directory where the NVDMUNIN.EXE utility is installed. They are stored in the NetView Distribution Manager/2 images directory.

Note: You cannot use the $(SA) and the $(SB) keys in the UNIN.PRO change file profile, because they are not defined yet. You can define them with the TME 10 Software Distribution 3.1.3 addpm command using the command line interface.

The UNIN.PRO change file profile follows:

```
TARGETDIR = C:\DEINST

SECTION CATALOG
 BEGIN
   OBJECTTYPE = SOFTWARE
   GLOBALNAME = UNINSTALL.NVDM2.REF.1
 END

SECTION FILESPECLIST
 BEGIN
     UNIN.CMD
     YES.INP
     NVDMUNIN.EXE
     SYSLEVEL._DM
     ANXTAB_X.LST
 END

SECTION INSTALL
 BEGIN
   PROGRAM = C:\DEINST\UNIN.CMD
 END
```

Step 14. Perform this step only if you are using the NVDMUPO.EXE and NVDMUPFS.EXE DiskCamera utilities in the Section Install of your NetView Distribution Manager/2 change file profiles.

Do the following:

a. Create the DSKSUPP directory

b. Copy the following NetView Distribution Manager/2 files into the DSKSUPP directory:

   NVDMUPO.EXE

   NVDMUPFS.EXE

   These are stored in the IBMNVDM2\BIN directory.

   ANXDBCS.DLL

   NDMNLS.DLL

   These are stored in the IBMNVDM2\DLL directory.

c. Build a package to install these files in the SOFTDIST\BIN directory of software distribution. Use as sourcedir for the build command the DSKSUPP directory.

   The DSKSUPP.PRO profile that you can use to build the package follows:

```
 TARGETDIR = D:\SOFTDIST\BIN

SECTION  CATALOG
 BEGIN
   GLOBALNAME = NVDM2.OS2.DISKCAMERA.REF.1
   OBJECTTYPE = SOFTWARE
 END

SECTION  FILESPECLIST
 BEGIN
  NVDMUPO.EXE
  NVDMUPFS.EXE
  ANXDBCS.DLL
  NDMNLS.DLL
 END

 TARGETDIR = D:\SOFTDIST\BIN
```

Step 15. If your environment is composed by NetView Distribution Manager/2 DOS and Windows clients, you must also now prepare the change files described in the Steps from 1 to 6 of Part Five. „Migrating the NetView Distribution Manager/2 DOS and Windows Clients“.

Step 16. Send all the objects you created in the previous steps from the NetView Distribution Manager/2 preparation site to the NetView Distribution Manager for MVS 1.6.1 focal point.

Migration Part Two A. Executing the Scenario on an OS/2 Platform

This part explains how to send and install all the change files that you need to run this scenario if you are in an OS/2 platform. Perform the following steps at a NetView Distribution Manager for MVS 1.6.1 console.

If you are running the scenario on an AIX or Windows NT platform skip the following steps and go to Part Two B. Executing the Scenario on an AIX or Windows NT Platform.

Step 1. Send and install the TME10.SD.IMAGES.REF.1 images and the TME10.SD.RSPFILES.REF.1 response file

To install the TME 10 Software Distribution 3.1.3 CID images and response files on the NetView Distribution Manager/2 server, you must send and install the TME10.SD.IMAGES.REF.1 change file and the TME10.SD.RSPFILES.REF.1 as corequisite.

Note: If you need to migrate the NetView Distribution Manager/2 DOS and Windows clients do the following:

a. Send and install the TME10.SD.WIN31.IMAGES.REF.10 change file.

b. Send the change files described in the Steps from 1 to 6 of the Part Five. Migrating the NetView Distribution Manager/2 DOS and Windows Clients.

Step 2. Send and Install as not removable the IBM.TME10.SERVER.REF.1 change file on the NetView Distribution Manager/2 server, that contains the TME 10 Software Distribution 3.1.3 server feature.

In this step the NetView Distribution Manager/2 server workstation restarts and makes the TME 10 Software Distribution 3.1.3 server feature active. The TME 10 Transmission Controller component does not start because the FNDNOTC=YES environment variable is set by the TME 10 Software Distribution installation procedure. See Step 9 of Migration Part One.

Step 3. Send the IBM.TME10.CLIENT.REF.1 change file that contains the TME 10 Software Distribution 3.1.3 client feature, to the NetView Distribution Manager/2 server after the plan you executed in Step 2 has been completed.

Step 4. Install the IBM.TME10.CLIENT.REF.1 change file that contains the TME 10 Software Distribution 3.1.3 Client feature. as not removable to the NetView Distribution Manager/2 clients.

During the product installation the workstation restarts and makes the TME 10 Software Distribution 3.1.3 client feature active. After the restart, each client is registered in the local TME 10 Software Distribution 3.1.3 server database if you use the auto-registration feature.

If you want to migrate the NetView Distribution Manager/2 DOS and Windows clients, perform the Step 8 and Step 9 in Part Five.„Migrating the NetView Distribution Manager/2 DOS and Windows Clients“.

After you perform this step the LAN status is as follows:

The TME 10 Software Distribution 3.1.3 server feature is installed on the NetView Distribution Manager/2 OS/2 server workstation.

All the TME 10 Software Distribution 3.1.3 components are running except for the Transmission Controller component.

The TME 10 Software Distribution 3.1.3 client feature is installed and running on the NetView Distribution Manager/2 OS/2 client workstations.

Step 5. Install the INSTALL.AND.EXEC.MODIFY.STARTUP.REF.1 change file on the NetView Distribution Manager/2 server to remove the `cdm start` statement from the startup.cmd file.

Install the MODIFY.CFG.REF.1 change file as a co-requisite of the previous object, on NetView Distribution Manager/2 server.

The MODIFY.CFG.REF.1 change file removes the FNDNOTC=YES statement from the config.sys file. If you necesary, see Step 8 of Part 1.„Preparing Objects“.

Step 6. Install the STOP.DIALOG.TC.REF.1 change file as a co-requisite on the NetView Distribution Manager/2 server.

Step 7. Install the NEW.NDF.FOR.LT0235A0.REF.1 change file as removable on the NetView Distribution Manager/2 server.

This change file installs the new NDF file.

Step 8. Install the VERIFY.NEW.NDF.FOR.LT0235A0.REF.1 change file on the NetView Distribution Manager/2 server.

It executes the CMVERIFY command on the new NDF file.

Step 9. Change the status of the IRU objects to INRU

If you executed successfully the previous step, perform an accept request for the NEW.NDF.FOR.LT0235A0.REF.1 change file, to change the status of the IRU objects to INRU in the NetView Distribution Manager/2 catalog.

Step 10. Schedule an activate request on the NetView Distribution Manager/2 server.

Execute an activate function on the NetView Distribution Manager/2 server to make the changes performed in Steps 5 to 8 active.

After the restart the NetView Distribution Manager/2 server does not start. so the activate plan remains in pending status. All the installed TME 10 Software Distribution 3.1.3 server components start, Transmission Controller included. All the reports related to the auto-registered TME 10 Software Distribution 3.1.3 clients are sent to the NetView Distribution Manager for MVS 1.6.1.

Because the NetView Distribution Manager for MVS host node definitions are different from the NetView Distribution Manager/2 and TME 10 Software Distribution 3.1.3 node definitions, the reports are rejected as coming from unknown destinations, you can use these messages to be sure that all the client reports have been sent.

Step 11. Delete the pending activate requests.

Because the host node definitions are different from the NetView Distribution Manager/2 and TME 10 Software Distribution 3.1.3 node definitions, you must modify the RGN field for each node definition, passing from the network id (used by NvDM/2) to the local domain address of TME 10 S.D. 3.1.3 server.

You can optimize this operation by writing a JCL batch job using the NetView Distribution Manager for MVS Change Node function. If you use SPMF when you modify the RGN parameter of the server, you modify the RGN parameter of each client connected to the server automatically. In this scenario, we use the same name used for the TME 10 Software Distribution 3.1.3 server name. See the TME 10 Software Distribution 3.1.3 server response files. The workstation names are the same as those defined by the NetView Distribution Manager/2

Step 12. Submit a plan to install the UPDATE.SD.CATALOG.REF.1 change file with the no-send option.

In this way you get the catalog information from the NetView Distribution Manager/2 database and store it in the TME 10 Software Distribution database.

Step 13. Send the EXECUTE.CDM.STOP procedure to the TME 10 Software Distribution 3.1.3 server.

Then initiate the procedure on each TME 10 Software Distribution 3.1.3 client to stop the NetView Distribution Manager/2 clients.

Step 14. Send and install the UNINSTALL.NVDM2.REF.1 change file on the Software Distribution 3.1.3 Server

Step 15. Install the UNINSTALL.NVDM2.REF.1 change file on all the TME 10 Software Distribution 3.1.3 clients.

If you want to migrate the NetView Distribution Manager/2 DOS and Windows clients, you must use the DEINS.NVDM.REF.1 change file as described in Part Five, This because the NVDMUNIN tool is not supported in the DOS environment.

Step 16. If necessary, to make the changes active immediately send an activate request to the TME 10 Software Distribution 3.1.3 server.

When the server activate request is completed, send an activate request to all TME 10 Software Distribution 3.1.3 clients.

After you perform Part Two A the LAN status is as follows:

The TME 10 Software Distribution 3.1.3 server feature is installed on the old NetView Distribution Manager/2 server.

The TME 10 Software Distribution 3.1.3 client feature is installed and running on the NetView Distribution Manager/2 client workstations.

Step 17. Perform this step only if you used the NVDMUPO.EXE and NVDMUPFS.EXE DiskCamera utilities in the Section Install part of your NetView Distribution Manager/2 change file profiles, in “Migration Part One. Preparing Objects”.

Install the package NVDM2.OS2.DISKCAMERA.REF.1 in all the workstations that you migrated.

Migration Part Two B. Executing the Scenario on an AIX, or Windows NT, or NetWare Platform

This part explains how to migrate the NetView Distribution Manager/2 clients and server to the TME 10 Software Distribution 3.1.3 client. The NetView Distribution Manager/2 server will be a client after the migration. A new AIX, or Windows NT, or NetWare server will be attached to the LAN.

Before you run this scenario, install the TCP/IP protocol and NFS. The NetView Distribution Manager/2 2.1 server is migrated to the TME 10 Software Distribution 3.1.3 client.

If you are running the scenario on an OS/2 platform skip the following steps and go to Part Two A.„Executing the Scenario on an OS/2 Platform “.

Set up an AIX, NetWare or Windows NT workstation installing the TME 10 Software Distribution 3.1.3 Server features and its prerequisites. Connect this workstation to the LAN that is to be migrated.

Note: If the server platform is an AIX, NetWare, or Windows NT workstation the TME 10 Software Distribution 3.1.3 for OS/2 client must also be installed on the NetView Distribution Manager/2 server workstation in order to migrate the NetView Distribution Manager/2 catalog to the TME 10 Software Distribution 3.1.3 catalog.

Perform the following steps at a NetView Distribution Manager for MVS 1.6.1 console.

Step 1. To install the TME 10 Software Distribution 3.1.3 CID images and response files on the NetView Distribution Manager/2 server, you must send and install the TME10.SD.IMAGES.REF.1 change file and the TME10.SD.RSPFILES.REF.1 as a corequisite.

Note: If you want to migrate the NetView Distribution Manager/2 DOS and Windows Clients do the following:

a. Send and install the TME10.SD.WIN31.IMAGES.REF.10 change file.

b. Send the change files described in Steps from 1 to 6 of the Part Five. „Migrating the NetView Distribution Manager/2 DOS and Windows Clients“.

Step 2. Send the IBM.TME10.CLIENT.REF.1 change file that contains the TME 10 Software Distribution 3.1.3 client feature to the NetView Distribution Manager/2 server after the plan you executed in Step 1 has been completed.

Note: If you want to migrate the DOS and Windows Clients perform steps 8 and 9 in Part Five. „Migrating the NetView Distribution Manager/2 DOS and Windows Clients“.

Step 3. Install the IBM.TME10.CLIENT.REF.1 change file that contains the TME 10 Software Distribution 3.1.3 Client feature as not removable to the NetView Distribution Manager/2 clients.

During the product installation the workstation restarts and makes the TME 10 Software Distribution 3.1.3 client feature active. After the restart, each client is registered in the local TME 10 Software Distribution 3.1.3 server database, if you use the auto-registration feature.

After the restart all the reports related to the auto-registered TME 10 Software Distribution 3.1.3 Clients are received by TME 10 Software Distribution 3.1.3. for AIX server. The TME 10 Software Distribution 3.1.3. for AIX server sends the reports to the NetView Distribution Manager for MVS 1.6.1. In this way the new nodes are defined to the host.

Step 4. To use the old node definition, you must delete all the new nodes Modify the old node definitions according to the TME 10 Software Distribution 3.1.3 rules, changing the RGN parameter with the server domain address. The old NetView Distribution Manager/2 2.1 server must be configured as a TME 10 Software Distribution 3.1.3 client. You must delete Its name as a DCCS node type and redefine it as a CLNT node type.

Step 5. Change all the NetView Distribution Manager/2 2.1 and NetView Distribution Manager for MVS 1.6.1 plans to reflect that the old NetView Distribution Manager/2 2.1 server is now a client.

After you perform this step the LAN status is as follows:

The TME 10 Software Distribution 3.1.3 server feature is installed on the AIX, NetWare or Windows NT server workstation.

The TME 10 Software Distribution 3.1.3 client feature is installed and running on the NetView Distribution Manager/2 2.1 for OS/2 client workstations and on the NetView Distribution Manager/2 2.1 for OS/2 server workstation.

Step 6. Send the UPDATE.SD.CATALOG.REF.1 change file to the TME 10 Software Distribution 3.1.3 for AIX server.

Step 7. Submit a plan to install the UPDATE.SD.CATALOG.REF.1 on the TME 10 Software Distribution 3.1.3 client installed on the NetView Distribution Manager/2 2.1 server, to get the catalog information from the NetView Distribution Manager/2 database.

Step 8. Store it in the TME 10 Software Distribution for AIX server database and send the local objects, if any, to the new server.

Step 9. Send the EXECUTE.CDM.STOP procedure to the TME 10 Software Distribution 3.1.3 server

Then initiate the procedure on each TME 10 Software Distribution client to stop the NetView Distribution Manager/2 clients.

Step 10. To uninstall the NetView Distribution Manager/2 2.1 from the clients, send the UNINSTALL.NVDM2.REF.1 change file to the TME 10 Software Distribution for an AIX server and install the UNINSTALL.NVDM2.REF.1 change file on all the TME 10 Software Distribution 3.1.3 clients.

Step 11. If you need to make the changes active immediately, send an activate request to the TME 10 Software Distribution 3.1.3 clients.

After you complete Part Two B the LAN status is as follows:

The TCP/IP and the NFS client are installed and running on each client

The TME 10 Software Distribution 3.1.3 server feature is installed on the AIX, NetWare, or Windows NT server workstation.

The TME 10 Software Distribution 3.1.3 client feature is installed and running on the NetView Distribution Manager/2 for OS/2 client workstations and on the NetView Distribution Manager/2 server workstation.

Step 12. Perform this step only if you used the NVDMUPO.EXE and NVDMUPFS.EXE DiskCamera utilities in the Section Install part of your NetView Distribution Manager/2 change file profiles, in “Migration Part One. Preparing Objects”.

Install the package NVDM2.OS2.DISKCAMERA.REF.1 in all the workstations that you migrated.

Migration Part Three. Run a Roll Back Scenario

If the TME 10 Software Distribution 3.1.3 is not successfully installed, run the roll back scenario to clean up the environments. The roll back can not be executed if the NetView Distribution Manager/2 2.1 product has been removed from the workstations. In Part Two A. „Executing the Scenario on an OS/2 Platform“ a rollback is possible until you perform Step 9.

To run the roll-back scenario perform the following steps:

1. Disconnect the AIX machine from the Local Network, if present.
2. On NetView Distribution Manager for MVS 1.6.1, migrate the node definition back from TME 10 Software Distribution 3.1.3 to the NetView Distribution Manager/2 2.1 format.
3. From the host, if necessary, issue a remove request to NetView Distribution Manager/2 to remove the TME 10 Software Distribution customized Communication Manager file that you previously installed as removable.
4. On the NetView Distribution Manager/2 preparation site build, the change files to uninstall the TME 10 Software Distribution client and server components.

   An example of the UNINTME.SRV change file profile to use to uninstall the server on OS/2 platform follows:

```
TARGETDIR = D:\
SECTION CATALOG
 BEGIN
    OBJECTTYPE = SOFTWARE
    GLOBALNAME = UNINST.IBM.TME1 .SERVER.REF.1
 END
SECTION INSTALL
begin
      PROGRAM = $(SOURCEDIR)\INSTALL.EXE
      PARMS     = /s:$(SOURCEDIR) /r:$(RESPONSEFILE)
                  /L1:$(logfile1) /L2:$(logfile2) /A:D /X
    SOURCEDIR          =  SA:\img\sd4os2\images
    RESPONSEFILE     =  SA:\rsp\sd4os2\$(WORKSTATNAME).RSP
    logfile1           =  SA:\LOGS\$(WORKSTATNAME).lg1
    logfile2           =  SA:\LOGS\$(WORKSTATNAME).lg2
end
```

   An example of the UNINTME.CLT change file profile to use to uninstall the clients follows:

```
TARGETDIR = D:\
  section  catalog
begin
   OBJECTTYPE = SOFTWARE
   globalname = UNINST.IBM.TME1 .CLIENT.REF.1
end

section install
begin
 PROGRAM = $(SOURCEDIR)\INSTALL.EXE
 PARMS      = /s:$(SOURCEDIR) /r:$(RESPONSEFILE) /L1:$(logfile1)
               /L2:$(logfile2) /A:D /X
 SOURCEDIR              = SA:\img\sd4os2\images
 RESPONSEFILE           = SA:\rsp\sd4os2\$(WORKSTATNAME).RSP
 logfile1               = SA:\LOGS\$(WORKSTATNAME).lg1
 logfile2               = SA:\LOGS\$(WORKSTATNAME).lg2
end
```

5. Send these change files to the NetView Distribution Manager for MVS 1.6.1 host.
6. From the NetView Distribution Manager for MVS 1.6.1 host, issue a CID install request to NetView Distribution Manager/2 to remove the TME 10 Software Distribution server and clients from the LAN.
7. Invoke the TME 10 Software Distribution 3.1.3 installation procedure using the /A:D command line parameter. The TME 10 product will be removed.

Migration Part Four. Installing the Anxifs Redirector

To perform CID installation through the NetBIOS protocols stack, install the Network File Services tools. This part explains how to install the Anxifs Client/Server mechanism.

No specific redirection mechanism is not a prerequisite for TME10 Software Distribution 3.1.3. You can install and use whichever redirector you want to perform CID redirected installation.

In this scenario we assume that the TME 10 Software Distribution for OS/2 server workstation is the image server too. The Image server is the workstation where the CID product images are stored.

Migration Part Four A. Installing the Anxifs Server on the OS/2 Server Workstation

To install the Anxifs server on the OS/2 server workstation perform the following steps from the TME 10 Software Distribution 3.1.3. preparation site:

1. Use the anxsrv.pro change file profile provided as an example to install the Anxifs server tool on the TME 10 Software Distribution 3.1.3 server.
2. Modify the anxsrv.pro change file profile to customize the path, the file names, and the name of the Anxifs server to match your environment.

The name of the Anxifs server must be passed as a parameter to the postreq command procedure.

The ANXSRV.PRO change file profile follows:

```
GLOBAL NAME:          IBM.ANXSRV.REF.1
DESCRIPTION:          IBM Anxifs server tool for OS/2
CHANGE FILE TYPE: GEN
COMPRESSION TYPE: LZW
POSTREQ COMMAND:    $(FILEPATH)bin\anxsrv.cmd SRVNAME $(BOOTDRIVE)

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\server\ .EXE
 TARGET NAME:       $(FILEPATH)BIN\ .EXE
 TYPE:              FILE
 ACTION:             COPY

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\server\ .DLL
 TARGET NAME:       $(FILEPATH)BIN\ .DLL
 TYPE:              FILE
 ACTION:             COPY

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\server\anxsrv.cmd
 TARGET NAME:       $(FILEPATH)BIN\anxsrv.cmd
 TYPE:              FILE
 ACTION:             COPY
```

In this profile the ANXSRV.CMD postreq command is invoked.

Copy the ANXSRV.CMD postreq command in the proper directory. In this scenario the directory is d:\ibmnvdm2\share_A\img\sd4os2\pristine\server\.

When the ANXSRV.CMD file is invoked it creates the ANXSRV.INI file in the directory where the Anxifs is installed. The ANXSRV.INI file contains the Anxifs server parameters. For more details see the comments in the ANXSRV.CMD file. You can modify them in the ANXSRV.CMD before you build the change file.

The name of the Anxifs server is passed as a parameter, because it is suggested that you use different names for each Anxifs server in your LAN. The ANXSRV.CMD file adds the command to start the Anxifs server on top of your startup.cmd file after the machine is restarted.

The ANXSRV.CMD file follows:

```
@rem / ------------------------------------------------  /
@rem /  Customize here the parameters to be included in      /
@rem /  anxsrv.ini file                                          /
@rem /  the server name is passed as parameter                  /
@rem /                                                                  /
@rem /  %1 is the Anxifs Server name, %2 is the Bootdrive  /
@rem / ------------------------------------------------  /

@rem used adapter (  or 1)
@ECHO Adapter= ;                                          > %NVDMBASE%\bin\anxsrv.ini
@rem number of clients
@ECHO Numclients=2                                        >> %NVDMBASE%\bin\anxsrv.ini
@rem disk and aliasname
@ECHO alias=rw,single,IMGSRV,D:\IBMNVDM2\SHARE_A >> %NVDMBASE%\bin\anxsrv.ini
@rem servername
@ECHO servername=%1                                         >> %NVDMBASE%\bin\anxsrv.ini

@rem / ---------------------------------------------- /
@rem /  update the startup.cmd file by adding on top  /
@rem /  the start of anxifs server                          /
@rem / ----------------------------------------------  /


@ECHO call %NVDMBASE%\bin\apiserv.exe %nvdmbase%\bin\anxsrv.ini
                >>  %2\startup.if
@TYPE %2\STARTUP.CMD >> %2\STARTUP.IFS
@COPY %2\STARTUP.IFS %2\STARTUP.CMD
@DEL   %2\STARTUP.IFS
```

3. Use the TME 10 Software Distribution command line interface to build the change file by entering the following command:

   ```
   nvdm bld <change file profile path>\anxsrv.pro
   ```

4. Send the change file to NetView Distribution Manager for MVS and then distribute it on the TME 10 Software Distribution 3.1.3 for OS/2 server.
5. Activate the server where the change file has been installed to active the changes to the startup.cmd.

Migration Part Four B. Installing the Anxifs Client on the OS/2 Client Workstation

To install the Anxifs client on the OS/2 client workstation perform the following steps from the TME 10 Software Distribution 3.1.3. preparation site:

1. Use the anxclt.pro change file profile provided as an example, to install the Anxifs client tool on the TME 10 Software Distribution 3.1.3 client.
2. Modify the anxclt.pro change file profile to customize the path, the file names, and the name of the Anxifs server to match your environment.

   The name of the Anxifs server must be passed as a parameter to the postreq command procedure.

The ANXCLT.PRO change file profile follows:

```
GLOBAL NAME:          IBM.ANXCLT.REF.1
DESCRIPTION:          IBM Anxifs client tool for OS/2
CHANGE FILE TYPE: GEN
COMPRESSION TYPE: LZW
POSTREQ COMMAND:    $(FILEPATH)bin\anxclt.cmd SRVNAME $(BOOTDRIVE)

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\client\anxifcom.
 TARGET NAME:       $(FILEPATH)BIN\anxifcom.
 TYPE:              FILE
 ACTION:             COPY

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\client\anxifpid.sys
 TARGET NAME:       $(FILEPATH)BIN\anxifpid.sys
 TYPE:              FILE
 ACTION:             COPY

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\client\ msg
 TARGET NAME:       $(FILEPATH)BIN\ msg.
 TYPE:              FILE
 ACTION:             COPY

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\client\ exe
 TARGET NAME:       $(FILEPATH)BIN\ exe.
 TYPE:              FILE
 ACTION:             COPY

OBJECT:
 SOURCE NAME:       d:\ibmnvdm2\share_A\img\sd4os2\pristine\client\anxclt.cmd
 TARGET NAME:       $(FILEPATH)BIN\anxclt.cmd.
 TYPE:              FILE
 ACTION:             COPY
```

In this profile the ANXCLT.CMD postreq command is invoked.

Copy the ANXCLT.CMD postreq command in the appropriate directory. In this scenario the directory is d:\ibmnvdm2\share_A\img\sd4os2\pristine\client\.

When the ANXCLT.CMD file is invoked it creates the ANXCLT.INI file in the directory where the Anxifs is installed.

The ANXCLT.INI file contains the Anxifs client parameters. For more details see the comments in the ANXCLT.CMD file. You can modify them in the ANXCLT.CMD before you build the change file.

For example, you can change the drive letter to be used for the redirected drive. In this example, Z: is the redirected drive.

The name of the Anxifs server is passed as a parameter, because it is suggested that you use different names for each Anxifs server in your LAN. The ANXCLT.CMD file appends three statements for the Anxifs to your config.sys file.

The ANXCLT.CMD file:

```
@rem / ------------------------------------------------ /
@rem / Customize here the parameters to be included in  /
@rem / anxclt.ini file                                  /
@rem / the server name is passed as parameter          /
@rem /                                                        /
@rem / %1 is the Anxifs Server name,                   /
@rem / %2 is the OS/2 Bootdrive,                        /
@rem / ------------------------------------------------  /

@rem used adapter (  or 1)
@ECHO Adapter= ;                          > %NVDMBASE%\bin\anxclt.ini
@Max numbers of attach
@ECHO numattaches=4                        >> %NVDMBASE%\bin\anxclt.ini
@rem drive to be attached
@atsign.ECHO attach=Z,%1,IMGSRV            >> %NVDMBASE%\bin\anxclt.ini

@rem / ------------------------------------ /
@rem /  update the config.sys file          /
@rem /  %1 is the Anxifs Server name,        /
@rem /  %2 is the OS/2 Bootdrive,             /
@rem /  ------------------------------------ /


@ECHO DEVICE=%NVDMBASE%\bin\anxifpid.sys        >> %2\config.sys
@ECHO DEVICE=%NVDMBASE%\bin\anxifcom.sys         >> %2\config.sys
@IFS            =%NVDMBASE%\bin\anxifcom.ifs        >>  %2\config.sys
```

3. Use the TME10 Software Distribution command line interface to build the change file by entering the following command:

   nvdm bld <change file profile path>\anxclt.pro

4. Send the change file to NetView Distribution Manager for MVS and then distribute it on the TME 10 Software Distribution 3.1.3 for OS/2 clients.
5. Activate the clients where the change file has been installed to active the changes to the config.sys.

Migration Part Five. Migrating the NetView Distribution Manager/2 DOS and Windows Clients

This part explains how to migrate the NetView Distribution Manager/2 DOS and Windows clients (which are in a LAN with a NetView Distribution Manager/2 2.1 server connected to a NetView Distribution Manager for MVS 1.6.1 focal point through LU 6.2) to a TME 10 Software Distribution 3.1.3 for Windows clients.

The NetView Distribution Manager/2 2.1 server is connected to the DOS and Windows clients through NetBIOS. The protocol connection will also be NetBIOS after the clients are migrate to the TME 10 Software Distribution 3.1.3 product.

To run this scenario use a NetView Distribution Manager/2 2.1 preparation site connected to a NetView Distribution Manager for MVS 1.6.1 focal point. The preparation site is a dual boot workstation with OS/2 and DOS or Windows installed.

You must install the NVDMWCAM utility on the DOS or Windows partition. This Utility creates the nvdmtmp.pro change file profile and nvdmtmp.mod modification file that you need to install TME 10 Software Distribution for Windows.

If the image root directory is NetView Distribution Manager/2 SHARE_A, the product CID directory image structure is added to the SHARE_A directory as follows:

```
SHARE_A\IMG\|
            |\SD4W31\|
                     | UNATTENDED.PKG
                     | INSTALL.EXE
                     | INSTALL.IN_
                     | NVDMCAT.ICF
                     | NVDMDSC.DSC
                     | NVDMPKG.PKG
                     | SDISTCLT.RSP
                     |\MOBILE
                     |\CLIENT
                     |\GUI
                     |\COMMON
                     |\DOC
```

1. To prepare the TME 10 Software Distribution 3.1.3 response files to perform a CID installation, use the CDOS61.RSP response file as an example.

   In this scenario we use the name <workstation name>.rsp to have a unique change file for the CID installation.

   The response files are stored in the SHARE_A\RSP subdirectory.

   Because NetView Distribution Manager/2 is case sensitive for the workstation, logical units, networkid, etc., you must use only uppercase in the response file.

   The CDOS61.RSP response file follows:

```
;;;
```

The WIN32s have been provided by Microsoft in the PW1118.EXE package. The PW1118.EXE package is a free self-extracting PW1118.EXE available on the ftp site: ftp.microsoft.com.

c. Boot the preparation site on Windows 3.1.

d. Copy the PW1118.EXE package in the C:\WIN32S subdirectory.

e. Extract the WIN32s.

f. Run the nvdmwcam utility to create the profile and the modification file by entering the following command from the run statement:

```
NVDMWCAM   <driver>:   C:\WIN32S\SETUP.EXE
```

The nvdmwcam utility creates the nvdmtmp.pro change file profile and nvdmtmp.mod modification file in the <drive>:\nvdmtmp\.

The NVDMTMP.MOD modification file follows:

```
[SYSTEM.INI]
AddUniqueKeyPrf(boot,drivers)
mmsystem.dll winmm16.dll
AddMultipleKeyPrf(386Enh,device)
:(WindowsDir)\SYSTEM\WIN32S\W32S.386
```

The NVDMTMP.PRO profile follows:

```
TARGETDIR = C:
SECTION CATALOG
 BEGIN
      OBJECTTYPE = SOFTWARE
      GLOBALNAME = WIN32S.FILES.REF.1
 END
SECTION FILESPECLIST
 BEGIN
   .  /IS
 END
SECTION INSTALL
 BEGIN
   PROGRAM = NVDMWIN.EXE
   PARMS      = NVDMWUPD.EXE C:\DSKCAM\NVDMTMP.MOD /B:C
 END
```

g. Reboot the preparation site in OS/2 mode.

4. Create and build the INSHARE.PRO change file profile to add the share statement.

The installation procedure TME Software Distribution 3.1.3 for Windows requires the share statement installed in the AUTOEXEC.BAT file. To install it you must build a change file that contains a modification file called INSHARE.MOD. This modification file changes the NetView Distribution Manager/2 minimal configuration file by adding the share statement in the minimal agent environment.

The INSHARE.MOD modification file follows:

```
[c:\IBMNVDD2\BIN\ANXIDMCF.AUT\
AddLine(BOTTOM)
%  SHARE
```

The INSHARE.PRO change file profile follows:

```
TARGETDIR = C:\INSHARE

SECTION CATALOG
 BEGIN
   OBJECTTYPE = SOFTWARE
   GLOBALNAME = INSERT.SHARE.EXE.REF.1
 END

SECTION FILESPECLIST
 BEGIN
  INSHARE.MOD
 END

SECTION INSTALL
 BEGIN
   PROGRAM = nvdmupd.exe
  PARMS     =  $(targetdir)\inshare.mod
 END
```

5. If the client workstation does not start Windows 3.1 automatically, use the nvdmupd.exe tool to upgrade the autoexec.bat file

To do this, build a change file that installs the nvdmupd.exe utility. Use the INSWIN.PRO change file profile as an example. It contains the INSWIN.MOD modification file, which follows:

```
[C:\AUTOEXEC.BAT]
AddLine(BOTTOM)
WIN
```

The INSWIN.PRO change file profile follows:

```
TARGETDIR = C:\INSHARE

SECTION CATALOG
 BEGIN
   OBJECTTYPE = SOFTWARE
   GLOBALNAME = INSERT.WIN.EXE.REF.1
 END

SECTION FILESPECLIST
 BEGIN
  INSWIN.MOD
 END

SECTION INSTALL
 BEGIN
   PROGRAM = NVDMUPD.EXE
  PARMS     =  $(TARGETDIR)\INSWIN.MOD
 END
```

6. Use the SDINSCLT.PRO change file profile as an example to build the change files to install the TME 10 Software Distribution client on the NetView Distribution Manager/2 DOS or Windows clients. The SDINCLT.PRO change file profile follows:

```
TARGETDIR = C:\

SECTION CATALOG
 BEGIN
    OBJECTTYPE = SOFTWARE
    GLOBALNAME = IBM.TME1 W.CLIENT.REF.1
 END

SECTION install
BEGIN
   PROGRAM = NVDMWIN.EXE
   PARMS     = $(SOURCEDIR)\INSTALL.EXE /S:$(SOURCEDIR) /R:$(RESPONSEFILE)
               /L1:$(LOGFILE1) /A:I /X
  SOURCEDIR          =  SA:\IMG\SD4W31
  RESPONSEFILE     =  SA:\RSP\SD4W31\$(WORKSTATNAME).RSP
  LOGFILE1           =  SA:\LOGS\$(WORKSTATNAME).LG1
END
```

7. Build the change files to uninstall the NetView Distribution Manager/2 DOS client from the target workstation.

   The TME 10 Software Distribution for Windows does not support the NetView Distribution Manager/2 change files therefore, the change file must be built on the TME 10 Software Distribution 3.1.3 server using the TME 10 Software Distribution profiles.

   This change file invokes the DOS DELTREE command to remove the NetView Distribution Manager/2 client directory structure. It also invokes the nvdmupd.exe tool to remove the NetView Distribution Manager/2 startup statements from the DOS and Windows startup files (Autoexec.bat and Progman.ini).

The samples of the change file profile and the modification file follow:

```
GLOBAL NAME:          DEINS.NVDM2.REF.1
DESCRIPTION:         NONE
CHANGE FILE TYPE: GEN
COMPRESSION TYPE: NONE

PREREQ COMMAND:     DELTREE.EXE /Y C:\IBMNVDD2
POSTREQ COMMAND:    DPFUPD.EXE /MOD:C:\DEINS\DEINS.MOD

DEFAULT TOKEN:       TARGETDIR = C:\DEINS

OBJECT:
SOURCE NAME:          D:\DOSCL\DEINS.MOD
TARGET NAME:          $(TARGETDIR)\DEINS.MOD
TYPE:                 FILE
ACTION:               COPY

\C:\AUTOEXEC.BAT\
DeleteLine()
SET NVDMBASE = C:\IBMNVDD2
DeleteLine()
C:\IBMNVDD2\BIN\LDR.COM /S=LT 235A  /R=CDOS61 /T=3  ,1  /U=ACCEPT /A=
DeleteToken(SET,PATH)
C:\IBMNVDD2\BIN
[PROGMAN.INI]
DeleteGroup(NetView DM/2)
```

Perform Steps 8 to 11 from a NetView Distribution Manager for MVS 1.6.1 console:

8. Send and install the TME10.SD.WIN31.IMAGES.REF.1 change file in the NetView Distribution Manager/2 shared area A of the server.

   The TME10.SD.WIN31.IMAGES.REF.1 change file contains the TME 10 Software Distribution 3.1.3 for Windows CID images and response file.

9. Send the WIN32S.FILE.REF.1 change file to the NetView Distribution Manager/2 2.1 server and install it as not removable on the NetView Distribution Manager/2 DOS client.

   The WIN32S.FILE.REF.1 change file contains WIN32s windows support. You must install the INSERT.SHARE.EXE.REF.1 change file as co-requisite also.

10. Install the IBM.TME10.CLIENT.REF.1 change file as not removable on the NetView Distribution Manager/2 2.1 DOS client.

    The IBM.TME10.CLIENT.REF.1 change file contains the TME 10 Software Distribution 3.1.3 client feature. You must install the INSERT.WIN.EXE.REF.1 change file as co-requisite also.

11. Install the DEINS.NVDM2.REF.1 Change File

    Install the DEINS.NVDM2.REF.1 change file as not removable to the TME 10 Software Distribution 3.1.3 for Windows.

    It contains the instructions for removing the NetView Distribution Manager/2 2.1 DOS and Windows clients.