
Unicenter

NetMaster File Transfer Management Version 5.0 Release and Migration Guide

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Introduction

This chapter describes the new features in Unicenter NetMaster File Transfer Management 5.0, and summarizes the new and enhanced features in previous versions of the product (variously known as Network*IT* NetMaster for File Transfer and SOLVE:Operations for File Transfer).

This chapter contains the following topics:

- About Version 5.0
- New Features in Version 5.0
- Enhanced Features in Version 5.0
- Changed Feature in Version 5.0
- Summary of New and Enhanced Features in Version 4.0
- Summary of New and Enhanced Features in Version 3.4
- Summary of New and Enhanced Features in Version 3.3
- Summary of New and Enhanced Features in Version 2.2
- Summary of New Features in Version 2.1
- Variables Used in Data Set Names

About Version 5.0

The main reason for the release of Version 5.0 is to provide the ability to monitor and manage CA-XCOM file transfers. The version also withdraws support for the TCPaccess 4.1 and the TCP/IP for MVS software.

New Features in Version 5.0

This version of the product extends support to the CA-XCOM for MVS file transfer application. It provides the following classes of resources to monitor and manage the application and transfers:

- XCMGR-class managers to monitor and manage CA-XCOM for MVS file transfer applications
- XCMON-class monitors to monitor and manage CA-XCOM file transfers, consisting of the following:
 - Remote node monitor
 - Stalled transfer monitor
 - TCP/IP connections monitor
 - TCP/IP listener task monitor
 - Transfer request monitors

Further Information

See the *Implementation, Administration, and Operations Guide*.

Enhanced Features in Version 5.0

This version of the product includes the following enhanced features:

- File transfer resource monitor format
- Reporting on file transfer schedules
- CONNECT:Direct statistics exit
- Menu restructure and shortcuts
- Activity log enhancements

File Transfer Resource Monitor Format

The default format for the file transfer resource monitor has been enhanced to accommodate long resource names.

Reporting on File Transfer Schedules

The Schedule Name reporting criterion has been enhanced to allow the specification of a mask. You can retrieve information about multiple schedules in a single report.

CONNECT:Direct Statistics Exit

The supplied statistics exit has changed. It supports only CONNECT:Direct for OS/390 4.1.3 or later. However, Version 5.0 still works with the previous exit. If you are using a CONNECT:Direct version earlier than 4.1.3, use your existing exit instead of the new exit.

Menu Restructure and Shortcuts

The menu structure has been reorganized. Some panels can be accessed by using shortcuts that are easy to remember. You can use these shortcuts as your primary means of navigation, exploring the menus only when you need to find less common options. Shortcuts are shown beside options on menus.

Selecting a Function Directly by Using Shortcuts

To jump to the panel of a function directly:

- Specify */shortcut-name* to retain the current panel on return.
- Specify *=/shortcut-name* to close the current panel and return to the primary menu when you exit the desired panel.

Note

Enter / or =/ to list all shortcuts.

Menu Option Path Changes

The reorganization of the menu structure changes some of the option paths. The following table lists some of the changes:

Old Path	New Path or Shortcut	Option
=A.C.G	=A.IN.G	Generate INI Procedure
=A.C.P	=A.IN.P or /ICS	Parameter Groups
=A.F	=A.FT.P or /FTADMIN.P	Maintain FTP Policies
=A.M	=A.M or /MADMIN	Multi-System Support Administration
=A.SS.A	=A.A or /ALADMIN	Alert Monitor Administration
=A.SS.M.R	=A.MS.R or /REPORT	Report Writer
=A.SS.P	=A.MS.PS or /PSM	Print Services Manager
=D.CR	=A.AS.CC or /ASADMIN.CC	Calendar Criteria
=D.E.R.R	=A.E.R.R or /EADMIN.R.R	Rulesets
=D.FTR	=A.FT.R or /FTADMIN.R	Maintain File Transfer Rulesets
=D.I	=A.G or /GADMIN	Graphical Monitor Administration
=D.R	=A.R or /RADMIN	Resource Administration
=H.E	=H.FT or /FTHIST	File Transfer History

Activity Log Enhancements

The activity log has been enhanced in the following ways:

- The log supports multiple concatenated log files.
- Text finding has been enhanced to support compound FIND arguments, using the AND (+) or OR (!) operators.
- The TIME command supports larger sets of operands. You can now position the log by either relative time or absolute time.

Changed Feature in Version 5.0

This version of the product includes the following changed feature: multisystem support.

Multisystem Support

You *cannot* synchronize and connect a pre-version 5.0 region to a Version 5.0 region. However, you still can transmit pre-version 5.0 knowledge base definitions to a Version 5.0 knowledge base. You may also use the migration utility to perform this task.

In Version 5.0, you can link as focal points only those regions that are licensed for the same products. For a subordinate to focal point link, the products licensed in the subordinate region can be a subset of the products licensed in the focal point region.

Summary of New and Enhanced Features in Version 4.0

The main reason for the release of Version 4.0 was to provide two new features that work in conjunction with each other:

- TCPaccess FTP Server product
- Policy control

Version 4.0 also included enhanced features requested by customers.

New Features

Version 4.0 included the following new features that use the TCPaccess FTP Server:

- To provide the product with the same level of monitoring capabilities for FTP that it has for CONNECT:Direct, CONNECT:Mailbox, and FTS file transfers.
- To control FTP transfers in line with a defined policy. Using a defined policy, you can allow or restrict transfers based on any combination of file names, user ID, IP addresses, time of day, and day of week.

Enhanced Features

Version 4.0 included the following enhanced features:

- Ability to terminate active file transfers (CONNECT:Direct and TCPaccess FTP Server transfers only) from the file transfer monitor.
- Home system for local system image
- CONCAT macro to concatenate data
- Increased waiting time for the WAIT and WAITEVNT macros
- System-name prefix for messages
- &ZMSGDATE and &ZMSGDAY variables to provide the date and day of message arrival
- Knowledge base migration utility
- Alert forwarding to Unicenter TNG Event Console

Summary of New and Enhanced Features in Version 3.4

The main reason for the release of Version 3.4 was to provide the ability to monitor and manage transfers associated with CONNECT:Mailbox for MVS applications.

Version 3.4 also included enhanced features requested by customers.

BMC PATROL is no longer supported from Version 3.4.

New Features

Version 3.4 included the following new features:

- Support for monitoring and managing transfers associated with CONNECT:Mailbox for MVS
- Management of CONNECT:Mailbox transfers by using rules, schedules, managers, and monitors, like those already applied to the management of CONNECT:Direct, FTP, and FTS file transfers
- Resources to manage the CONNECT:Mailbox VSAM file server and CONNECT:Mailbox started tasks

Enhanced Features

Version 3.4 included the following enhanced features:

- File transfer exception reports
- File transfer summary reports
- Restructured reporting menu
- Changes to security definitions
- Enhancements to the Find function
- Enhancements to the alert monitor
- Enhancements to alert forwarding
- Changed default EPS receiver ID
- Enhancements to the SMF exit
- Enhancement to the active file transfer monitor
- New load action available for loading file transfer rulesets
- Sample file transfer rulesets provided
- Enhancements to the \$RMDBAPI to support CONNECT:Mailbox

Summary of New and Enhanced Features in Version 3.3

The main reason for the release of Version 3.3 was to provide the following:

- Support for CONNECT:Direct products on other operating systems
- Enhancements requested by existing customers

New Features

Version 3.3 included the following new features:

- \$RMDBAPI procedure to manage file transfer resource definitions by using a command line or NCL procedure
- Active file transfer monitoring

Enhanced Features

Version 3.3 included the following enhanced features:

- Support for the CONNECT:Direct for OS/400, and CONNECT:Direct for Tandem products
- Support for automatic update of expired passwords for the CONNECT:Direct background user ID
- The compression percentage is now available for file transfers
- Ability to preserve FTSCHD details across a system outage or system image reload
- Customizable alert descriptions
- Externally updateable schedules
- Displaying file transfer event details in one panel
- Additional options available from the Reporting Menu
- EVENTDB database reorganization data set
- Retry counter in alerts
- Enhanced EventView message delivery options
- Changed File Transfer variable names

Summary of New and Enhanced Features in Version 2.2

The main reason for the release of Version 2.2 was to provide support for CONNECT:Direct on the Windows NT operating system, and enhancements requested by customers.

New Features

Version 2.2 included the following new features:

- eNetwork Communications Server (CS) compliance
- Support for CONNECT:Direct for Windows NT

Enhanced Features

Version 2.2 included the following enhanced features:

- Changed CONNECT:Direct events interface
- Multisystem support in sysplex
- Control of system message and command logging in the activity log
- Auto Populate Facility for creating managers for the file transfer partners of CONNECT:Direct for MVS regions
- CONNECT:Direct remote node monitors
- FTP remote node monitors
- CONNECT:Direct file transfer monitors
- Ability to monitor CONNECT:Direct queues by specific destination nodes and processes
- Display of CONNECT:Direct process information
- CONNECT:Direct message Help
- Activity log access from the file transfer log
- Automatic closing of file transfer alerts
- Reporting function
- Additional file transfer variable
- CONNECT:Direct command interface

Summary of New Features in Version 2.1

The main reasons for the release of Version 2.1 were to monitor and manage file transfers initiated by File Transfer Protocol (FTP) applications and to provide a historical perspective on your file transfers through a reporting function.

Version 2.1 included the following new features:

- Managing file transfers initiated by using File Transfer Protocol (FTP)
- Reporting
- Support of BMC PATROL agents

Variables Used in Data Set Names

This guide uses the following variable representation in data sets:

dsnpref

Represents the data set prefix used during the installation of the product.

rname

Represents the name of the product region.

vvv

Represents the product component version identifier used during installation.

2

Migrating to Version 5.0

This chapter describes the migration procedures.

This chapter contains the following topics:

- Migrating from Version 4.0
- Migrating from Version 3.4
- Migrating from Version 3.3
- Migrating from Version 2.2
- Migrating from Version 2.1

Migrating from Version 4.0

To migrate from Version 4.0 to Version 5.0, you need to do the following:

- Task 1—Migrating the Knowledge Base.
- Task 2—Migrating User-defined Reports
- Task 3—Migrating Saved Search Criteria
- Task 4—Migrating NPF or SAF Security Members
- Task 5—Migrating Alert Monitor Filters

Task 1—Migrating the Knowledge Base

Create a Version 5.0 knowledge base, and migrate any Version 4.0 data that you want to keep to the new knowledge base.

The Version 5.0 knowledge base contains new and changed definitions. You can migrate the appropriate old data to update the new knowledge base, as described in the following sections.



Warning

The REPRO command must *never* be used to manage the definitions in the knowledge base under any circumstances.

Preparing Your Version 4.0 Knowledge Base for Migration

Consider the following:

- If you want to keep a copy of an old distributed template (for example, you might have modified it), copy this template to a new template image version above 0009.
- If you want to keep a copy of an old distributed rule set (for example, you might have modified it), make a copy of this rule set under a different name. (If the rule set is associated with a system image, update the association accordingly.)

Version 4.0 Migration Procedure

To perform migration, proceed as follows:

- Step 1. Create and initialize a master Version 5.0 region, using the supplied knowledge base.
- Step 2. Ensure that the region using the Version 4.0 knowledge base is shut down. (For information about database maintenance, see the *Implementation, Administration, and Operations Guide*.)
- Step 3. In the Version 5.0 region, enter the `/ASADMIN.MIG` path.
- Step 4. On the displayed RAMDB Migration Utility panel, proceed as follows:
 - a. Specify the data set name for your Version 4.0 knowledge base in the Old RAMDB Data Set Name field.
The data set name of the knowledge base is `dsnpref.rname.SS400.RAMDB`.
 - b. To migrate all definitions, specify **NO** in the Select By Class field.
 - c. Press F6 (Action) to display the Migration Statistics panel.
- Step 5. At the completion of migration, review the components that have a nonzero value in the Not Copied column. (The utility does not copy a component if the component exists in the new knowledge base already.) You might have customized some of these components and want to copy them anyway. Enter **R** beside the components that you want to selectively copy, and copy the records. The copying options depend on whether a component contains multiple objects (for example, a system image) or is the object itself (for example, a user profile definition) (see the next section, *Copying Multi-object Components*, on page 2-4 and the section, *Copying Single-object Components*, on page 2-4).
- Step 6. After you have copied the components, exit the migration utility.

You should keep the old knowledge base until your Version 5.0 regions are performing correctly.

Copying Multi-object Components

Caution

The products use template images \$TEMPLAT 0001 through 0009 for the distribution of template definitions. Do not overwrite or replace them in the Version 5.0 knowledge base.

For a component that contains multiple objects, you operate on the objects as a whole. You can perform the following actions:

- Merge the component in the old knowledge base into the component in this knowledge base.
- Overwrite existing objects in this knowledge base by the objects in the old knowledge base.
- Replace the component in this knowledge base by the component in the old knowledge base.

Note

If you want to migrate specific objects, see the activity log and use the RMMUAD05 messages to determine which objects have not been copied. You can then delete the appropriate objects and redo the migration. (To list only the RMMUAD05 messages in the log, enter **TEXT RMMUAD05**.)

Copying Single-object Components

For a component that is the object, you can perform the following actions:

- Copy the component to this knowledge base by using a different name.
- Overwrite the existing component in this knowledge base by the component in the old knowledge base.

Applying Updated Templates

After you have migrated your knowledge base, update the images for any new or changed definitions in the Version 5.0 distributed template images as follows:

- Step 1. See the appendixes to find out what changes have been made to the distributed template images.
- Step 2. Review the new or changed definitions to determine if they are suitable for your requirements. Enter the **/RADMIN.T** path to display the Template Definition menu and select the appropriate option to list the definitions you want to review.
- Step 3. Copy the required definitions to your working template images.

Caution

When you copy definitions from the distributed template images to your working template images, you can replace your working definition by a distributed definition of the same name. If you want to retain your working definition, ensure that you make a copy of the definition beforehand.

- If you want to copy all the new definitions, copy the template image (**/RADMIN.T.I**). Enter **C** beside the image to merge the distributed template image with the target image. Specify **YES** in the Enter 'YES' to OVERLAY Like-named Components field.
 - If you want to copy changed definitions, you need to copy them one by one (**/RADMIN.T.R**).
- Step 4. If you update a resource template definition and need to apply the changes to all the resource definitions (in one or more system images) that use it, use the **AP** (Apply Template) action code.

To do this, enter the **/RADMIN.T.R** path, select the resource class, and enter **AP** beside the required resources. Ensure that you specify the following options (in the Template Apply Parm) when prompted:

- **RESET** for MERGE, OVERRIDE OR RESET
- **REPLACE** for COPY PROCESSES

Task 2—Migrating User-defined Reports

Migrate your user-defined reports and any associated criteria definitions as follows:

- Step 1. In your region, enter the **/MODSADU.C** path to display the Copy File Specification panel.
- Step 2. Specify the information to copy your definitions from the MODSUSR data set used by the Version 4.0 region to that used by the Version 5.0 region.
- Step 3. Press F6 (Action) to copy the definitions.

Note

If you need to migrate Report Writer schedule definitions, use the REPRO command to copy them. These definitions are stored in the Virtual File Services (VFS) data set with a key of \$TIST\$RW. (For a sample job, see the *dsnpref.NM500.INSTALL(VFSMIGRW)* member.)

Task 3—Migrating Saved Search Criteria

To migrate saved search criteria from the Search File Transfers or Perform Custom Search reporting options, use the REPRO command. These definitions are stored in the VFS data set with a key of \$RF.FTCUSTOM and \$RF.FTSEARCH.

Changed EVENTDB Field

The following new field has been added to the EVNTDB: \$RFLATENCY (CA-XCOM transfer latency period).

The format of the CSV archive file has also changed to include the new field.

You should review any saved user-defined reports and search criteria in light of these changes. See the sample reports for further information on these changes.

Task 4—Migrating NPF or SAF Security Members

If you have customized the distributed Version 4.0 NPF or SAF security members, update the Version 5.0 members with your changes.

Task 5—Migrating Alert Monitor Filters

To migrate alert monitor filters, use the REPRO command. The filters are stored in the VFS data set with a key of \$AMFD0.

Migrating from Version 3.4

The migration procedure is similar to the procedure for Version 4.0 (see the section, *Migrating from Version 4.0*, on page 2-2).

Migrating from Version 3.3

To migrate from Version 3.3 to Version 5.0, you need to do the following:

- Task 1—Migrating the Knowledge Base from Version 3.3.
- Task 2—Migrating the NMCDSTEX Statistics Exit
- Task 3—Migrating the SMF Exit for FTP Event Flow
- Task 4—Migrating the \$RFXPRMS Procedure from Version 3.3
- Task 5—Migrating User-defined Reports
- Task 6—Migrating Saved Search Criteria
- Task 7—Migrating NPF or SAF Security Members
- Task 8—Migrating Alert Monitor Filters

Task 1—Migrating the Knowledge Base from Version 3.3

Create a Version 5.0 knowledge base, and migrate any Version 3.3 data that you want to keep to the new knowledge base. The migration procedure is similar to the procedure for Version 4.0 (see *Task 1—Migrating the Knowledge Base* on page 2-2).

Task 2—Migrating the NMCDSTEX Statistics Exit

If you are supporting the CONNECT:Direct product, you need to implement the new distributed exit (NMCDSTEX) to use the new default EPS receiver ID, \$RFFTEVR. If you want to use a different receiver ID, you need to customize the CDAPI parameter group.

If you have customized your existing statistics exit, you need to implement the new distributed exit and redo your customization.

For further information see the *Implementation, Administration, and Operations Guide*.

Task 3—Migrating the SMF Exit for FTP Event Flow

The product intercepts TCP/IP events by using an SMF exit.

The migration process for the SMF exits is described in the following sections.

Note

If you have installed the TCP/IP Services 6.2 component as part of another product, you might already have installed this exit.

Migrating IBM TCP/IP SMF Exits

If you have IBM TCP/IP SMF exits, replace the installation and implementation members with the equivalent distributed members. These are shown in Table 2-1.

Table 2-1. IBM Exit Members and Library Names

Function	Old Member	Old Library	New Member	New Library
SMF exit load module	IPSMFEX	IPLOAD	NMSMFIBM	MSLOAD
SMF exit module source	IPSMFEX	IPSAMP	-	-
SMF exit macro	\$IPSMFEX	IPMACROS	-	-
SMF exit JCL	IPSMFAL	IPSAMP	-	-
SMF exit definition	IPPROGXX	IPSAMP	NMPROGCS	BASE.INSTALL

To migrate the SMF exit, do this:

Step 1. Open your SYS1.PARMLIB(PROG xx) member, and change the IPSMFEX exit registration statements to NMSMFIBM exit registration statements.

Step 2. Register the new exit with the SET system command, for example:

```
SET PROG= $xx$ 
```

The new exit will be used after the next IPL.

Step 3. Deregister the existing exits by using the SETPROG EXIT system command, for example:

```
SETPROG EXIT, DELETE, EN= $exitname$ , MODNAME=IPSMFEX
```

where $exitname$ is one of the following:

- SYS.IEFU83
- SYS.IEFU84
- SYS.IEFU85
- SYSSTC.IEFU83
- SYSSTC.IEFU84
- SYSSTC.IEFU85
- SYSTSO.IEFU83
- SYSTSO.IEFU84
- SYSTSO.IEFU85
- SYSOMVS.IEFU83
- SYSOMVS.IEFU84
- SYSOMVS.IEFU85

Migrating TCPAccess SMF Exits

If you have TCPAccess exits, replace the installation and implementation members with the equivalent distributed members. These are shown in *Table 2-2*.

Table 2-2. TCPAccess 5.2 Exit Members and Library Names

Function	Old Member	Old Library	New Member	New Library
SMF exit load module	IPSMFEX	IPLOAD	-	-
SMF exit module source	IPSMFEX	IPSAMP	-	-
SMF exit macro	\$IPSMFEX	IPMACROS	-	-
SMF exit JCL	IPSMFAL	IPSAMP	-	-
SMF exit definition	IPPROGXX	IPSAMP	-	-
TCPAccess exit	NMTCPAXS	IPLOAD	NMDSPAXS	MSLOAD

Note

The NMDSPAXS TCPAccess exit replaces both the old TCPAccess exit (NMTCPAXS) and the SMF Exit (IPSMFEX).

To migrate to the new TCPAccess exit, do this:

- Step 1. Apply the SP0106 tape to the TCPAccess software to enable the TCPAccess exit to receive copies of SMF records.
- Step 2. Change the EXIT statement in your IJTFCFG_{xx} member from NMTCPAXS to NMDSPAXS.
- Step 3. Recycle the TCPAccess software.
- Step 4. Remove the IPSMFEX exit registration statements from your SYS1.PARMLIB(PROG_{xx}) member.
- Step 5. Deregister the existing exits by using the SETPROG EXIT system command. For example:

```
SETPROG EXIT,DELETE,EN=exitname,MODNAME=IPSMFEX
```

where *exitname* is:

- SYS.IEFU83
- SYS.IEFU84
- SYS.IEFU85
- SYSSTC.IEFU83
- SYSSTC.IEFU84
- SYSSTC.IEFU85

You might have only SYS.IEFU84 and SYSSTC.IEFU84 registered.

Task 4—Migrating the \$RFXPRMS Procedure from Version 3.3

If you have customized \$RFXPRMS in Version 3.3, you must move your changes to a copy of the distributed procedure in Version 5.0. The distributed \$RFXPRMS procedure is in the *dsnpref.FT500.FTTEXEC* data set. Place your newly customized copy in your TESTEXEC library for Version 5.0.

Task 5—Migrating User-defined Reports

The migration procedure is similar to the procedure for Version 4.0 (see *Task 2—Migrating User-defined Reports* on page 2-6).

Task 6—Migrating Saved Search Criteria

To migrate saved search criteria from the Search File Transfers or Perform Custom Search reporting options, use the REPRO command. These definitions are stored in the VFS data set with a key of \$RF.FTCUSTOM and \$RF.FTSEARCH.

Changed EVENTDB Fields

The following new fields have been added to the EVNTDB:

- \$RFLATENCY (CA-XCOM transfer latency period)
- \$RFCMBID (CONNECT:Mailbox mailbox ID)
- \$RFCONTYPE (CONNECT:Mailbox remote type)
- \$RFREMTYPE (CONNECT:Mailbox remote type)
- \$RFSTEPNAME (CONNECT:Direct step name)

The format of the CSV archive file has also changed to include these new fields.

You should review any saved user-defined reports and search criteria in light of these changes. See the sample reports for further information on these changes.

Task 7—Migrating NPF or SAF Security Members

The migration procedure is similar to the procedure for Version 4.0 (see *Task 4—Migrating NPF or SAF Security Members* on page 2-6).

Task 8—Migrating Alert Monitor Filters

To migrate alert monitor filters, use the REPRO command. The filters are stored on the VFS data set with a key of \$AMFDO.

Values for the CLASSID filter criteria have changed in Version 5.0. You should review your alert monitor filters in light of these changes:

Alert generated by	Old value	New value
Resource state change	<i>rscclass-rsctype</i>	STATECHG
Genalert macro	37	GENALERT
FT Rule	36	FTRULE
Stalled transfer alert	36	STALL

There are two new variables, RESCLASS and RESTYPE, available for filtering.

Migrating from Version 2.2

To migrate from Version 2.2 to Version 5.0, you need to do the following:

- Task 1—Migrating the Knowledge Base from Version 2.2.
- Task 2—Migrating the NMCDSTEX Statistics Exit
- Task 3—Migrating the SMF Exit for FTP Event Flow
- Task 4—Migrating the \$RFXPRMS Procedure from Version 2.2
- Task 5—Migrating User-defined Reports
- Task 6—Migrating Saved Search Criteria
- Task 7—Migrating NPF or SAF Security Members
- Task 8—Migrating Alert Monitor Filters

Task 1—Migrating the Knowledge Base from Version 2.2

Create a Version 5.0 knowledge base, and migrate any Version 2.2 data that you want to keep to the new knowledge base. The migration procedure is similar to the procedure for Version 4.0 (see *Task 1—Migrating the Knowledge Base* on page 2-2).

Task 2—Migrating the NMCDSTEX Statistics Exit

The migration procedure is similar to the procedure for Version 3.3 (see *Task 2—Migrating the NMCDSTEX Statistics Exit* on page 2-7).

Task 3—Migrating the SMF Exit for FTP Event Flow

The migration procedure is similar to the procedure for Version 3.3 (see *Task 3—Migrating the SMF Exit for FTP Event Flow* on page 2-8).

Task 4—Migrating the \$RFXPRMS Procedure from Version 2.2

The migration procedure is similar to the procedure for Version 3.3 (see *Task 4—Migrating the \$RFXPRMS Procedure from Version 3.3* on page 2-11).

Task 5—Migrating User-defined Reports

The migration procedure is similar to the procedure for Version 4.0 (see *Task 2—Migrating User-defined Reports* on page 2-6).

Task 6—Migrating Saved Search Criteria

To migrate saved search criteria from the Search File Transfers or Perform Custom Search reporting options, use the REPRO command. These definitions are stored in the VFS data set with a key of \$RF.FTCUSTOM and \$RF.FTSEARCH.

Changed EVENTDB Fields

The following changes have been made to the EVNTDB:

- New \$RFLATENCY field (CA-XCOM transfer latency period)
- New \$RFCMBID field (CONNECT:Mailbox mailbox ID)
- New \$RFCONTTYPE field (CONNECT:Mailbox remote type)
- New \$RFREMTYPE field (CONNECT:Mailbox remote type)
- New \$RFSTEPNAME field (CONNECT:Direct step name)
- The \$RFXFRBYTES field is replaced by the \$RFXFRAMT field, which supports larger values

The format of the CSV archive file has also changed.

You should review any saved user-defined reports and search criteria in light of these changes. See the sample reports for further information on these changes.

Task 7—Migrating NPF or SAF Security Members

The migration procedure is similar to the procedure for Version 4.0 (see *Task 4—Migrating NPF or SAF Security Members* on page 2-6).

Task 8—Migrating Alert Monitor Filters

The migration procedure is similar to the procedure for Version 3.3 (see *Task 8—Migrating Alert Monitor Filters* on page 2-12).

Migrating from Version 2.1

To migrate from Version 2.1 to Version 5.0, you need to do the following:

- Task 1—Migrating the Knowledge Base from Version 2.1
- Task 2—Migrating the NMCDSTEX Statistics Exit
- Task 3—Migrating the SMF Exit for FTP Event Flow
- Task 4—Migrating the \$RFXPRMS Procedure from Version 2.1
- Task 5—Migrating CONNECT:Direct SNA Sessions Monitor Resources
- Task 6—Migrating User-defined Reports
- Task 7—Migrating Saved Search Criteria
- Task 8—Update Rules and Rule Sets
- Task 9—Logging of System Messages and Commands to the Activity Log
- Task 10—Migrating NPF or SAF Security Members
- Task 11—Migrating Alert Monitor Filters

Task 1—Migrating the Knowledge Base from Version 2.1

Create a Version 5.0 knowledge base, and migrate any Version 2.1 data that you want to keep to the new knowledge base. The migration procedure is similar to the procedure for Version 4.0 (see *Task 1—Migrating the Knowledge Base* on page 2-2).

Task 2—Migrating the NMCDSTEX Statistics Exit

The migration procedure is similar to the procedure for Version 3.3 (see *Task 2—Migrating the NMCDSTEX Statistics Exit* on page 2-7).

Task 3—Migrating the SMF Exit for FTP Event Flow

The migration procedure is similar to the procedure for Version 3.3 (see *Task 3—Migrating the SMF Exit for FTP Event Flow* on page 2-8).

Task 4—Migrating the \$RFXPRMS Procedure from Version 2.1

The migration procedure is similar to the procedure for Version 3.3 (see *Task 4—Migrating the \$RFXPRMS Procedure from Version 3.3* on page 2-11).

Task 5—Migrating **CONNECT:Direct SNA Sessions Monitor Resources**

As part of the enhancements to CDMON resources, support for the SNA sessions monitor is removed.

If you have SNA sessions monitor resources, review their requirements and replace them with the supported CDMON resource types (for example, transfer monitors).

Task 6—Migrating **User-defined Reports**

The migration procedure is similar to the procedure for Version 4.0 (see *Task 2—Migrating User-defined Reports* on page 2-6).

Task 7—Migrating **Saved Search Criteria**

The migration procedure is similar to the procedure for Version 2.2 (see *Task 6—Migrating Saved Search Criteria* on page 2-13).

Task 8—Update **Rules and Rule Sets**

If you have any rules or rule sets that use the delivery option of No, change the delivery option to IGN if you require message delivery to the operating system.

Task 9—Logging of **System Messages and Commands to the Activity Log**

If you want to log system messages and commands to the activity log, update the LOGFILES parameter group.

By default, your Version 5.0 region does not log operating system messages and commands to the activity log. If you want to enable logging, proceed as follows:

- Step 1. Enter the **/ICS** shortcut to display the list of parameter groups.
- Step 2. Enter **U** beside the LOGFILES parameter group.
- Step 3. Specify **YES** in the following fields as required:
 - Log Operating System Messages?
 - Log Commands?
- Step 4. Press **F6** (Action) to make the new values current.
- Step 5. Press **F3** (File) to save the new values.

Task 10—Migrating NPF or SAF Security Members

The migration procedure is similar to the procedure for Version 4.0 (see *Task 4—Migrating NPF or SAF Security Members* on page 2-6).

Task 11—Migrating Alert Monitor Filters

The migration procedure is similar to the procedure for Version 3.3 (see *Task 8—Migrating Alert Monitor Filters* on page 2-12).

A

Changes to the Distributed Templates

This appendix documents the changes that have been made to the templates since Version 2.1.

Note

Unless noted otherwise, the changes apply to both \$TEMPLAT 0001 and \$TEMPLAT 0002. If a change is qualified by a \$TEMPLAT version number in parentheses, then the change applies to the specific version only. For example, (0001) indicates that a change applies to \$TEMPLAT 0001 only.

Template Changes Since Version 4.0

Table A-2 lists the changes in the distributed templates since Version 4.0.

Table A-1. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 4.0

Class	Names	New, Changed, or Deleted
CDMON	LISTENER	Changed
FTPMGR	AXSJOB	Deleted
FTPMGR	AXSSTC	Deleted
FTPMGR	MCSJOB	Deleted
FTPMGR	MCSSTC	Deleted
FTPMGR	MPSJOB	Deleted
FTPMGR	MPSSTC	Deleted
FTPMGR	SFTPJOB	Changed
FTPMGR	SFTPSTC	Changed
FTPMON	All	Changed
STC	COMSERVER	Changed
STC	TCPACCESS	Deleted
STC	TCPIPFTPSVR	Deleted
STC	TCPIPMVS	Deleted
STC	TCPIPMVSV31	Deleted
STC	TCPIPMVSV32	Deleted
XCMGR	All	New
XCMON	All	New

Template Changes Since Version 3.4

Table A-2 lists the changes in the distributed templates since Version 3.4.

Table A-2. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 3.4

Class	Names	New, Changed, or Deleted
CDMGR	CD400	Changed
CDMGR	CDJOB	Changed
CDMGR	CDNT	Changed
CDMGR	CDSTC	Changed
CDMGR	CDTANDEM	Changed
CDMGR	CDUNIX	Changed
CMMGR	CMSTC	Changed
CDMON	LISTENER	Changed
FTPMGR	AXS52JOB	Changed
FTPMGR	AXS52STC	Changed
FTPMGR	AXS53JOB	New
FTPMGR	AXS53STC	New
FTPMGR	AXSJOB	Deleted
FTPMGR	AXSSTC	Deleted
FTPMGR	MCSJOB	Deleted
FTPMGR	MCSSTC	Deleted
FTPMGR	MPSJOB	Deleted
FTPMGR	MPSSTC	Deleted
FTPMGR	CSFTPSRV	Changed
FTPMGR	SFTPJOB	New
FTPMGR	SFTPSTC	New
FTPMON	All	Changed

(Sheet 1 of 2)

Table A-2. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 3.4

Class	Names	New, Changed, or Deleted
Process	RCDSSIA	Changed
Process	RCDSSIU	Changed
Process	RFSDSPA	New
Process	RFSDSPU	New
Process	STOPTX53	New
Process	STOPWT53	New
STC	COMSERVER	Changed
STC	TCPACCESS	Deleted
STC	TCPIFTPSVR	Deleted
STC	TCIPMVS	Deleted
STC	TCIPMVS31	Deleted
STC	TCIPMVS32	Deleted
XCMGR	All	New
XCMON	All	New

(Sheet 2 of 2)

Template Changes Since Version 3.3

Table A-3 lists the changes in the distributed templates since Version 3.3.

Table A-3. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 3.3

Class	Names	New, Changed, or Deleted
CDMGR	CD400	Changed
CDMGR	CDJOB	Changed
CDMGR	CDNT	Changed
CDMGR	CDSTC	Changed

(Sheet 1 of 3)

Table A-3. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 3.3

Class	Names	New, Changed, or Deleted
CDMGR	CDTANDEM	Changed
CDMGR	CDUNIX	Changed
CMMGR	CMSTC	New
CMMON	ACQUEUE	New
CMMON	BSCLINES	New
CDMON	LISTENER	Changed
CMMON	SNASESS	New
FTPMGR	AXS52JOB	Changed
FTPMGR	AXS52STC	Changed
FTPMGR	AXS53JOB	New
FTPMGR	AXS53STC	New
FTPMGR	AXSJOB	Deleted
FTPMGR	AXSSTC	Deleted
FTPMGR	MCSJOB	Deleted
FTPMGR	MCSSTC	Deleted
FTPMGR	MPSJOB	Deleted
FTPMGR	MPSSTC	Deleted
FTPMGR	CSFTPSRV	Changed
FTPMGR	SFTPJOB	New
FTPMGR	SFTPSTC	New
FTPMON	All	Changed
Process	RCDSSIA	Changed
Process	RCDSSIU	Changed
Process	RFSDSPA	New

(Sheet 2 of 3)

Table A-3. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 3.3

Class	Names	New, Changed, or Deleted
Process	RFSDSPU	New
Process	STOPCMVS	New
Process	STOPTX53	New
Process	STOPWT53	New
STC	CMSVR	New
STC	COMSERVER	Changed
STC	TCPACCESS	Deleted
STC	TCPIFTPFSVR	Deleted
STC	TCPIPMVS	Deleted
STC	TCPIPMVSV31	Deleted
STC	TCPIPMVSV32	Deleted
XCMGR	All	New
XCMON	All	New

(Sheet 3 of 3)

Template Changes Since Version 2.2

Table A-4 lists the changes in the distributed templates since Version 2.2.

Table A-4. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.2

Class	Names	New, Changed, or Deleted
CDMGR	CD400	Changed
CDMGR	CDJOB	Changed
CDMGR	CDNT	Changed
CDMGR	CDOS400	Changed
CDMGR	CDSTC	Changed

(Sheet 1 of 4)

Table A-4. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.2

Class	Names	New, Changed, or Deleted
CDMGR	CDTANDEM	Changed
CDMGR	CDUNIX	Changed
CDMON	ACTIVEQ	New
CDMON	BADQ	New
CDMON	CALLQ	New
CDMON	INITIALQ	New
CDMON	LISTENER	Changed
CDMON	REMOTENODE	Changed
CDMON	RETAINQ	New
CDMON	STARTQ	New
CDMON	SUSPENDQ	New
CDMON	XRTQ	New
CMMGR	CMSTC	New
CMMON	ACQUEUE	New
CMMON	BSCLINES	New
CMMON	SNASESS	New
FTPMGR	AXS52JOB	Changed
FTPMGR	AXS52STC	Changed
FTPMGR	AXS53JOB	New
FTPMGR	AXS53STC	New
FTPMGR	AXSJOB	Deleted
FTPMGR	AXSSTC	Deleted
FTPMGR	CSFTPSRV	New
FTPMGR	ECSSTC	Renamed (see CSFTPSRV)

(Sheet 2 of 4)

Table A-4. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.2

Class	Names	New, Changed, or Deleted
FTPMGR	MCSJOB	Deleted
FTPMGR	MCSSTC	Deleted
FTPMGR	MPSJOB	Deleted
FTPMGR	MPSSTC	Deleted
FTPMGR	SFTPJOB	New
FTPMGR	SFTPSTC	New
FTPMON	All others	Changed
FTPMON	REMOTENODE	New
JES	JES2	Changed
Process	RCDSSIA	Changed
Process	RCDSSIU	Changed
Process	RFSDSPA	New
Process	RFSDSPU	New
Process	STOPCMVS	New
Process	STOPTX53	New
Process	STOPWT53	New
STC	ASCH	Changed
STC	CMSVR	New
STC	COMSERVER	New
STC	ENETWORK	Renamed (see COMSERVER)
STC	JES2	Changed
STC	NDM	Changed
STC	TCPACCESS	Deleted
STC	TCPIPFTPSVR	Deleted

(Sheet 3 of 4)

Table A-4. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.2

Class	Names	New, Changed, or Deleted
STC	TCIPMVS	Deleted
STC	TCIPMVS31	Deleted
STC	TCIPMVS32	Deleted
XCMGR	All	New
XCMON	All	New

(Sheet 4 of 4)

Template Changes Since Version 2.1

Table A-5 lists the changes in the distributed templates since Version 2.1.

Table A-5. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.1

Class	Names	New, Changed, or Deleted
CDMGR	CD400	Changed
CDMGR	CDJOB	Changed
CDMGR	CDNT	New
CDMGR	CDOS400	New
CDMGR	CDSTC	Changed
CDMGR	CDTANDEM	New
CDMGR	CDUNIX	Changed
CDMON	BADQ	New
CDMON	CALLQ	New
CDMON	INITIALQ	New
CDMON	LISTENER	Changed
CDMON	REMOTENODE	New
CDMON	RETAINQ	New

(Sheet 1 of 4)

Table A-5. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.1

Class	Names	New, Changed, or Deleted
CDMON	SNASESSIONS	Deleted
CDMON	STARTQ	New
CDMON	SUSPENDQ	New
CDMON	TRANSFER	New
CDMON	XRTQ	New
CMMGR	CMSTC	New
CMMON	ACQUEUE	New
CMMON	BSCLINES	New
CMMON	SNASESS	New
FTPMGR	AXS52JOB	New
FTPMGR	AXS52STC	New
FTPMGR	AXS53JOB	New
FTPMGR	AXS53STC	New
FTPMGR	AXSJOB	Deleted
FTPMGR	AXSSTC	Deleted
FTPMGR	CSFTPSRV	New
FTPMGR	ECSSTC	Renamed (see CSFTPSRV)
FTPMGR	MCSJOB	Deleted
FTPMGR	MCSSTC	Deleted
FTPMGR	MPSJOB	Deleted
FTPMGR	MPSSTC	Deleted
FTPMGR	SFTPJOB	New
FTPMGR	SFTPSTC	New
FTPMON	All others	Changed

(Sheet 2 of 4)

Table A-5. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.1

Class	Names	New, Changed, or Deleted
FTPMON	REMOTENODE	New
JES	JES2	Changed
Process (0002)	CANTCPX	New
Process	RFCDSSIA	New
Process	RFCDSSIU	New
Process	RFSDSPA	New
Process	RFSDSPU	New
Process	STOPCMVS	New
Process	STOPTX53	New
Process	STOPWT53	New
Process (0002)	STOPTCPM	New
Process (0002)	STOPTCPX	New
Process	STOPTX52	New
STC	ASCH	Changed
STC	CMSVR	New
STC	COMSERVER	New
STC	JES2	Changed
STC	NDM	Changed
STC	TCPACCESS	Deleted
STC	TCPAXS52	New
STC	TCPIPFTPSVR	Deleted
STC	TCPIPMVS	Deleted
STC	TCPIPMVSV31	Deleted
STC	TCPIPMVSV32	Deleted

(Sheet 3 of 4)

Table A-5. New, Changed, or Deleted \$TEMPLAT Definitions Since Version 2.1

Class	Names	New, Changed, or Deleted
TAPE	CART	Changed
TAPE (0002)	CARTEXT	Changed
TAPE	STDCART	Changed
TAPE	STDTAPE	Changed
TAPE	TAPE	Changed
XCMGR	All	New
XCMON	All	New

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