Tivoli® IBM Tivoli NetView for z/OS

IBM

Version 5 Release 3

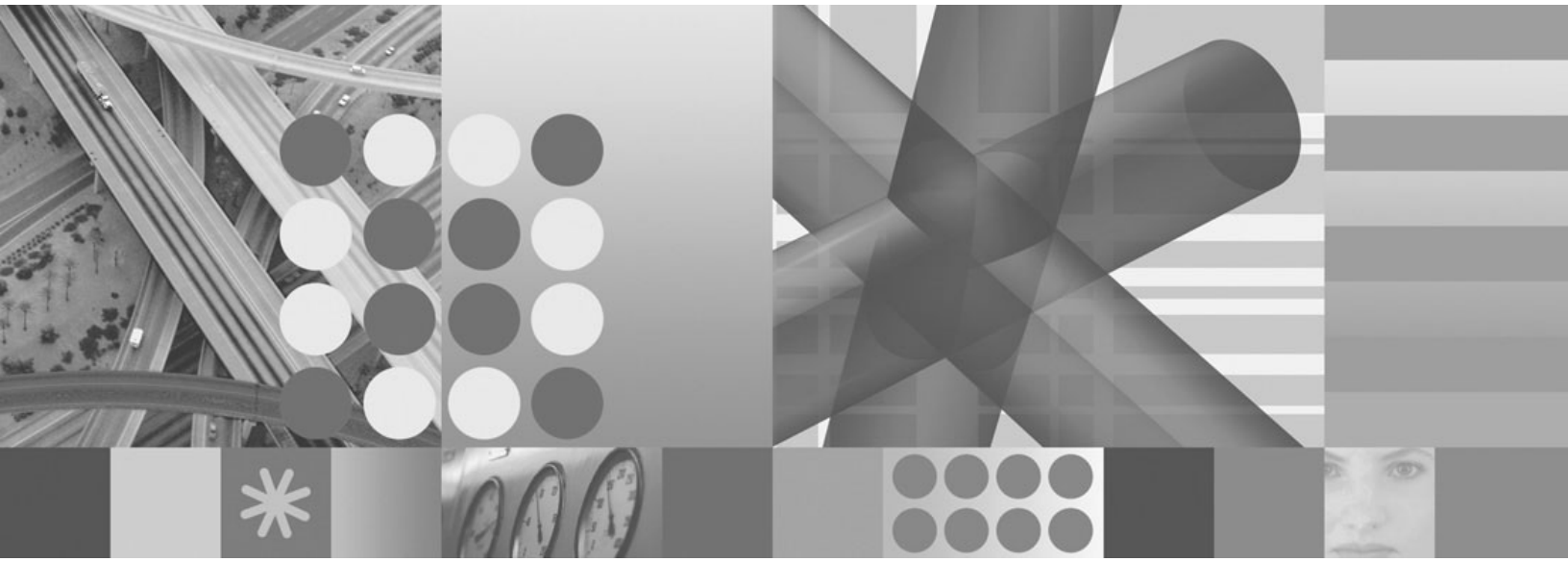
Installation: Migration Guide

SC31-8873-03

Tivoli® IBM Tivoli NetView for z/OS

IBM

Version 5 Release 3



Installation: Migration Guide

SC31-8873-03

Note
Before using this information and the product it supports, read the information in "Notices" on page 207.

This edition applies to version 5, release 3 of IBM Tivoli NetView for z/OS (product number 5697-ENV) and to all subsequent versions, releases, and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of the product.

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About this publication

The IBM® Tivoli® NetView® for z/OS® product provides advanced capabilities that you can use to maintain the highest degree of availability of your complex, multi-platform, multi-vendor networks and systems from a single point of control. This publication, the *IBM Tivoli NetView for z/OS Installation: Migration Guide*, provides information about migrating the base functions from a previous release of the NetView program. It also describes procedures to migrate from the NetView Graphic Monitoring Facility (NGMF) to the NetView management console and to migrate from the unattended feature, the procedural feature, and NetView System Services.

Intended audience

This publication is for system programmers, network planners, and system designers who migrate the NetView program from a previous release to the current release.

Publications

This section lists publications in the IBM Tivoli NetView for z/OS library and related documents. It also describes how to access Tivoli publications online and how to order Tivoli publications.

IBM Tivoli NetView for z/OS library

The following documents are available in the Tivoli NetView for z/OS library:

- *Administration Reference*, SC31-8854, describes the NetView program definition statements required for system administration.
- *Application Programmer's Guide*, SC31-8855, describes the NetView program-to-program interface (PPI) and how to use the NetView application programming interfaces (APIs).
- *Automated Operations Network Customization Guide*, SC31-8871, describes how to tailor and extend the automated operations capabilities of the NetView Automated Operations Network (AON) component, which provides event-driven network automation.
- *Automated Operations Network User's Guide*, GC31-8851, describes how to use the Automated Operations Network component to improve system and network efficiency.
- *Automation Guide*, SC31-8853, describes how to use automated operations to improve system and network efficiency and operator productivity.
- *Command Reference Volume 1*, SC31-8857, and *Command Reference Volume 2*, SC31-8858, describe the NetView commands, which can be used for network and system operation and in command lists and command procedures.
- *Customization Guide*, SC31-8859, describes how to customize the NetView product and points to sources of related information.
- *Data Model Reference*, SC31-8864, provides information about the Graphic Monitor Facility host subsystem (GMFHS), SNA topology manager, and MultiSystem Manager data models.
- *Installation: Configuring Additional Components*, SC31-8874, describes how to configure NetView functions beyond the base functions.

- *Installation: Configuring Graphical Components*, SC31-8875, describes how to install and configure the NetView graphics components.
- *Installation: Getting Started*, SC31-8872, describes how to install and configure the NetView base functions.
- *Installation: Migration Guide*, SC31-8873, describes the new functions provided by the current release of the NetView product and the migration of the base functions from a previous release.
- *Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*, SC31-6969, describes how to install and configure the Tivoli NetView for z/OS enterprise agents.
- *Messages and Codes Volume 1 (AAU-DSI)*, SC31-6965, and *Messages and Codes Volume 2 (DUI-IHS)*, SC31-6966, describe the messages for the NetView product, the NetView abend codes, the sense codes that are shown in NetView messages, and generic alert code points.
- *MultiSystem Manager User's Guide*, GC31-8850, describes how the NetView MultiSystem Manager component can be used in managing networks.
- *NetView Management Console User's Guide*, GC31-8852, provides information about the NetView management console interface of the NetView product.
- *Programming: Assembler*, SC31-8860, describes how to write exit routines, command processors, and subtasks for the NetView product using assembler language.
- *Programming: Pipes*, SC31-8863, describes how to use the NetView pipelines to customize a NetView installation.
- *Programming: PL/I and C*, SC31-8861, describes how to write command processors and installation exit routines for the NetView product using PL/I or C.
- *Programming: REXX and the NetView Command List Language*, SC31-8862, describes how to write command lists for the NetView product using the Restructured Extended Executor language (REXX™) or the NetView command list language.
- *Resource Object Data Manager and GMFHS Programmer's Guide*, SC31-8865, describes the NetView Resource Object Data Manager (RODM), including how to define your non-SNA network to RODM and use RODM for network automation and for application programming.
- *Security Reference*, SC31-8870, describes how to implement authorization checking for the NetView environment.
- *SNA Topology Manager Implementation Guide*, SC31-8868, describes planning for and implementing the NetView SNA topology manager, which can be used to manage subarea, Advanced Peer-to-Peer Networking®, and TN3270 resources.
- *Troubleshooting Guide*, LY43-0093, provides information about documenting, diagnosing, and solving problems that might occur in using the NetView product.
- *Tuning Guide*, SC31-8869, provides tuning information to help achieve certain performance goals for the NetView product and the network environment.
- *User's Guide*, GC31-8849, describes how to use the NetView product to manage complex, multivendor networks and systems from a single point.
- *Web Application User's Guide*, SC32-9381, describes how to use the NetView Web application to manage complex, multivendor networks and systems from a single point.
- *Licensed Program Specifications*, GC31-8848, provides the license information for the NetView product.

Prerequisite publications

To read about the new functions offered in this release, see Chapter 1, "New Functions in the NetView for z/OS V5R3 Program," on page 1.

For information about how the NetView for z/OS product interacts with the IBM Tivoli Monitoring product, see the following IBM Tivoli Monitoring publications:

- *Introducing IBM Tivoli Monitoring*, GI11-4071, introduces the components, concepts, and function of IBM Tivoli Monitoring.
- *IBM Tivoli Monitoring: Upgrading from Tivoli Distributed Monitoring*, GC32-9462, provides information on how to upgrade from IBM Tivoli Distributed Monitoring.
- *IBM Tivoli Monitoring: Installation and Setup Guide*, GC32-9407, provides information about installing and setting up IBM Tivoli Monitoring.
- *IBM Tivoli Monitoring User's Guide*, SC32-9409, which complements the IBM Tivoli Enterprise™ Portal online help, provides hands-on lessons and detailed instructions for all Tivoli Enterprise Portal functions.
- *IBM Tivoli Monitoring Administrator's Guide*, SC32-9408, describes the support tasks and functions required for the IBM Tivoli Enterprise Portal Server and clients.
- *Configuring IBM Tivoli Enterprise Monitoring Server on z/OS*, SC32-9463, describes how to configure and customize the IBM Tivoli Enterprise Monitoring Server running on a z/OS system.
- *IBM Tivoli Monitoring Problem Determination Guide*, GC32-9458, provides information and messages to use in troubleshooting problems with the software.
- *Exploring IBM Tivoli Monitoring*, SC32-1803, provides a series of exercises for exploring IBM Tivoli Monitoring.
- *IBM Tivoli Universal Agent User's Guide*, SC32-9459, introduces the IBM Tivoli Universal Agent.
- *IBM Tivoli Universal Agent API and Command Programming Reference Guide*, SC32-9461, explains how to implement the IBM Tivoli Universal Agent APIs and describes the API calls and command-line interface commands.

Related publications

For information about the NetView Bridge function, see *Tivoli NetView for OS/390 Bridge Implementation*, SC31-8238-03 (available only in the V1R4 library).

You can find additional product information on the NetView for z/OS Web site:

http://www.ibm.com/software/tivoli/products/netview-zos/

Accessing terminology online

The *Tivoli Software Glossary* includes definitions for many of the technical terms related to Tivoli software. The *Tivoli Software Glossary* is available at the following Tivoli software library Web site:

http://publib.boulder.ibm.com/tividd/glossary/tivoliglossarymst.htm

The IBM Terminology Web site consolidates the terminology from IBM product libraries in one convenient location. You can access the Terminology Web site at the following Web address:

http://www.ibm.com/software/globalization/terminology/

For a list of NetView for z/OS terms and definitions, refer to the IBM Terminology Web site. The following terms are used in this library:

NetView
For the following products:
- Tivoli NetView for z/OS version 5 release 3
- Tivoli NetView for z/OS version 5 release 2
- Tivoli NetView for z/OS version 5 release 1
- Tivoli NetView for OS/390® version 1 release 4
- Tivoli NetView for OS/390 version 1 release 3

MVS™ For z/OS operating systems

MVS element
For the BCP element of the z/OS operating system

CNMCMD
For CNMCMD and its included members

CNMSTYLE
For CNMSTYLE and its included members

PARMLIB
For SYS1.PARMLIB and other data sets in the concatenation sequence

The following IBM names replace the specified Candle® names:

IBM Tivoli Monitoring Services
For OMEGAMON® platform

IBM Tivoli Enterprise Monitoring Agent
For Intelligent Remote Agent

IBM Tivoli Enterprise Monitoring Server
For Candle Management Server

IBM Tivoli Enterprise Portal
For CandleNet Portal

IBM Tivoli Enterprise Portal Server
For CandleNet Portal Server

Unless otherwise indicated, references to programs indicate the latest version and release of the programs. If only a version is indicated, the reference is to all releases within that version.

When a reference is made about using a personal computer or workstation, any programmable workstation can be used.

Using NetView for z/OS online help

NetView for z/OS mainframe online help is available for the following areas, depending on your installation and configuration:
- General help and component information
- Command help
- Message help
- Sense code information
- Recommended actions

Using LookAt to look up message explanations

LookAt is an online facility that you can use to look up explanations for most of the IBM messages you encounter, as well as for some system abends (an abnormal end of a task) and codes. Using LookAt to find information is faster than a conventional search because in most cases LookAt goes directly to the message explanation.

You can use LookAt from the following locations to find IBM message explanations for z/OS elements and features, z/VM®, VSE/ESA™, and Clusters for AIX® and Linux®:

- The Internet. You can access IBM message explanations directly from the LookAt Web site at http://www.ibm.com/eserver/zseries/zos/bkserv/lookat/.
- Your z/OS TSO/E host system. You can install code on your z/OS or z/OS.e systems to access IBM message explanations, using LookAt from a TSO/E command line (for example, TSO/E prompt, ISPF, or z/OS UNIX® System Services running OMVS).
- Your Microsoft® Windows® workstation. You can install code to access IBM message explanations on the *z/OS Collection* (SK3T-4269), using LookAt from a Microsoft Windows DOS command line.
- Your wireless handheld device. You can use the LookAt Mobile Edition with a handheld device that has wireless access and an Internet browser (for example, Internet Explorer for Pocket PCs, Blazer, or Eudora for Palm OS, or Opera for Linux handheld devices). Link to the LookAt Mobile Edition from the LookAt Web site.

You can obtain code to install LookAt on your host system or Microsoft Windows workstation from a disk on your *z/OS Collection* (SK3T-4269), or from the LookAt Web site (click **Download**, and select the platform, release, collection, and location that suit your needs). More information is available in the LOOKAT.ME files available during the download process.

Accessing publications online

The documentation CD contains the publications that are in the product library. The publications are available in Portable Document Format (PDF), HTML, and BookManager® formats. Refer to the readme file on the CD for instructions on how to access the documentation.

An index is provided on the documentation CD for searching the Tivoli NetView for z/OS library. If you have Adobe Acrobat on your system, you can use the Search command to locate specific text in the library. For more information about using the index to search the library, see the online help for Acrobat.

IBM posts publications for this and all other Tivoli products, as they become available and whenever they are updated, to the Tivoli Information Center Web site at http://publib.boulder.ibm.com/infocenter/tivihelp/v3r1/index.jsp.

In the Tivoli Information Center window, click **Tivoli product manuals**. Click the letter that matches the first letter of your product name to access your product library. For example, click **N** to access the Tivoli NetView for z/OS library.

Note: If you print PDF documents on other than letter-sized paper, set the option in the **File → Print** window that enables Adobe Reader to print letter-sized pages on your local paper.

Ordering publications

You can order many Tivoli publications online at the following Web address:

http://www.elink.ibmlink.ibm.com/publications/servlet/pbi.wss

You can also order by telephone by calling one of these numbers:
- In the United States: 800-879-2755
- In Canada: 800-426-4968

In other countries, contact your software account representative to order Tivoli publications. To locate the telephone number of your local representative, perform the following steps:

1. Go to the following Web address:

   http://www.elink.ibmlink.ibm.com/public/applications/publications/cgibin/pbi.cgi
2. Select your country from the list and click **Go**. The Welcome to the IBM Publications Center window is displayed.
3. On the left side of the window, click **About this site** to see an information page that includes the telephone number of your local representative.

Accessibility

Accessibility features help users with a physical disability, such as restricted mobility or limited vision, to use software products successfully. Standard shortcut and accelerator keys are used by the product and are documented by the operating system. Refer to the documentation provided by your operating system for more information.

For additional information, see the Accessibility appendix in the *User's Guide*.

Tivoli technical training

For Tivoli technical training information, refer to the following IBM Tivoli Education Web site at http://www.ibm.com/software/tivoli/education.

Support information

If you have a problem with your IBM software, you want to resolve it quickly. IBM provides the following ways for you to obtain the support you need:

Online
Go to the IBM Software Support site at http://www.ibm.com/software/support/probsub.html and follow the instructions.

IBM Support Assistant
The IBM Support Assistant (ISA) is a free local software serviceability workbench that helps resolve questions and problems with IBM software products. The ISA provides quick access to support-related information and serviceability tools for problem determination. To install the ISA software, go to http://www.ibm.com/software/support/isa.

Problem determination guide
For more information about resolving problems, see the *IBM Tivoli NetView for z/OS Troubleshooting Guide*.

Downloads

Clients and agents, demonstrations of the NetView product, and several free NetView applications that you can download are available at the NetView for z/OS Web site:

http://www.ibm.com/software/tivoli/products/netview-zos/

These applications can help with the following tasks:

- Migrating customization parameters from earlier releases to the current style sheet
- Getting statistics for your automation table and merging the statistics with a listing of the automation table
- Displaying the status of a job entry subsystem (JES) job or canceling a specified JES job
- Sending alerts to the NetView program using the program-to-program interface (PPI)
- Sending and receiving MVS commands using the PPI
- Sending Time Sharing Option (TSO) commands and receiving responses

Conventions used in this publication

This publication uses several conventions for special terms and actions, operating system-dependent commands and paths, and command syntax.

Typeface conventions

This publication uses the following typeface conventions:

Bold

- Lowercase commands and mixed case commands that are otherwise difficult to distinguish from surrounding text
- Interface controls (check boxes, push buttons, radio buttons, spin buttons, fields, folders, icons, list boxes, items inside list boxes, multicolumn lists, containers, menu choices, menu names, tabs, property sheets), labels (such as **Tip:**, and **Operating system considerations**:)
- Keywords and parameters in text

Italic

- Citations (examples: titles of publications, diskettes, and CDs
- Words defined in text (example: a nonswitched line is called a *point-to-point line*)
- Emphasis of words and letters (words as words example: "Use the word *that* to introduce a restrictive clause."; letters as letters example: "The LUN address must start with the letter *L*.")
- New terms in text (except in a definition list): a *view* is a frame in a workspace that contains data.
- Variables and values you must provide: ... where *myname* represents...

`Monospace`

- Examples and code examples
- File names, programming keywords, and other elements that are difficult to distinguish from surrounding text
- Message text and prompts addressed to the user

- Text that the user must type
- Values for arguments or command options

Operating system-dependent variables and paths

For workstation components, this publication uses the UNIX convention for specifying environment variables and for directory notation.

When using the Windows command line, replace **$***variable* with **%***variable***%** for environment variables and replace each forward slash (/) with a backslash (\) in directory paths. The names of environment variables are not always the same in the Windows and UNIX environments. For example, %TEMP% in Windows environments is equivalent to $TMPDIR in UNIX environments.

Note: If you are using the bash shell on a Windows system, you can use the UNIX conventions.

Syntax Diagrams

Syntax diagrams start with double arrowheads on the left (►►) and continue along the main syntax line until they end with two arrowheads facing each other (►◄). When more than one line is needed for a syntax diagram, the continued lines end with a single arrowhead (►).

Position and Appearance of Syntax Elements

Syntax diagrams do not rely on highlighting, brackets, or braces. In syntax diagrams, the position of the elements relative to the main syntax line indicates the required, optional, and default values for keywords, variables, and operands as shown in the following table.

Table 1. Position of Syntax Elements

Element Position	Meaning
On the main syntax line	Required
Above the main syntax line	Default
Below the main syntax line	Optional

Keywords and operands are shown in uppercase letters. Variables are shown in lowercase letters and are either italicized or, for NetView help and BookManager online publications, shown in a differentiating color. The appearance of syntax elements indicates the type of element as shown in the following table.

Table 2. Appearance of Syntax Elements

Element	Appearance
Keyword	CCPLOADF
Variable	*resname*
Operand	MEMBER=*membername*
Default	*today* or INCL

Required Syntax Elements

The command name and the required keywords, variables, and operands are shown on the main syntax line. Figure 1 on page xix shows that the *resname* variable must be used for the CCPLOADF command.

CCPLOADF

Figure 1. Required Syntax Elements

Optional Syntax Elements

Optional keywords, variables, and operands are shown below the main syntax line. Figure 2 shows that the ID operand can be used for the DISPREG command but is not required.

DISPREG

Figure 2. Optional Syntax Elements

Default Keywords and Values

Default keywords and values are shown above the main syntax line.

If the default is a keyword, it is shown only above the main line. You can specify this keyword or allow it to default. Figure 3 shows the default keyword STEP above the main line and the rest of the optional keywords below the main line.

If an operand has a default value, the operand is shown both above and below the main line. A value below the main line indicates that if you specify the operand, you must also specify either the default value or another value shown. If you do not specify the operand, the default value above the main line is used. Figure 3 shows the default values for operands `MODNAME=*` and `OPTION=*` above and below the main line.

RID

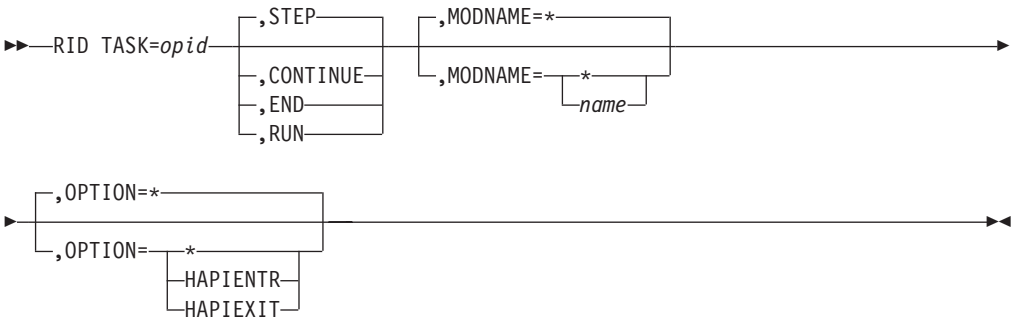


Figure 3. Default Keywords and Values

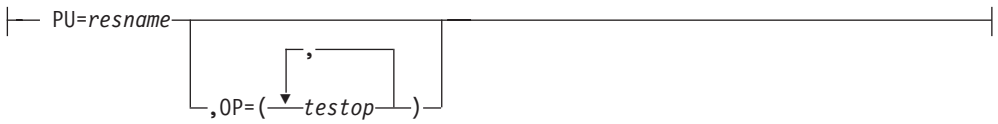
Syntax Fragments

Commands that contain lengthy sections of syntax or a section that is used more than once in a command are shown as separate fragments following the main diagram. The fragment name is shown in mixed case. Figure 4 on page xx shows a

syntax diagram with the fragments `Pu`, `PurgeAll`, and `PurgeBefore`.

CSCF

Pu



PurgeAll

PurgeBefore

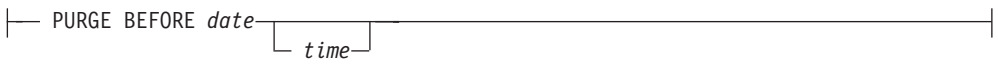


Figure 4. Syntax Fragments

Commas and Parentheses

Required commas and parentheses are shown in the syntax diagram.

When an operand can have more than one value, the values are typically enclosed in parentheses and separated by commas. For example, in Figure 4, the OP operand contains commas to indicate that you can specify multiple values for the *testop* variable.

If a command requires positional commas to separate keywords and variables, the commas are shown before the keyword or variable, as in Figure 3 on page xix.

Commas are also used to indicate the absence of a positional operand. In the following example of the BOSESS command, the second comma indicates that an optional operand is not being used:

```
NCCF BOSESS applid,,sessid
```

You do not need to specify the trailing positional commas. Trailing positional and non-positional commas either are ignored or cause a command to be rejected. Restrictions for each command state whether trailing commas cause the command to be rejected.

Abbreviations

Command and keyword abbreviations are listed in synonym tables after each command description.

Chapter 1. New Functions in the NetView for z/OS V5R3 Program

Whether you have a small installation or you are managing a large, distributed enterprise, NetView provides efficient systems and network management capability on any platform. The new functions in this release are described in the following topics:

For comparison information on prior NetView release functions, refer to the IBM Tivoli NetView for z/OS Web site.

Networking and Automation

Table 3. Networking and Automation Changes

Function	Description	Additional information
Session Monitor (NLDM)	• Ability to select sessions that pass through user-selected resources, including Enterprise Extender (EE) sessions • Annotated display of formatted SNA PIUs	*IBM Tivoli NetView for z/OS Command Reference Volume 1* for the following command updates: • AGTSESMG • NASESMG • SESMGET • SESS *IBM Tivoli NetView for z/OS User's Guide*
Support for Enterprise Extender (EE)	The DIS command has been updated to determine if a named resource is Enterprise Extender (EE) connected and, if so, additional information can be displayed about RTP pipes, TCIDs, IP addresses, and transmission group numbers. You can also use the DIS command to perform TRACERTE and EEDIAG analysis for the resource.	See the DIS (NCCF) command in the *IBM Tivoli NetView for z/OS Command Reference Volume 1*
Formatted Packet Trace	Filter traced IP packets by protocol (for example, TCP, UDP, and OSPF)	*IBM Tivoli NetView for z/OS Command Reference Volume 1* for the following command updates: • FMTPACKT • PKTS

Table 3. Networking and Automation Changes (continued)

Function	Description	Additional information
Suppress system logging for selected MVS command responses	Specify whether responses to MVS commands (issued from NetView or from other message traffic) naming a console owned by a NetView operator are sent to the system log.	*IBM Tivoli NetView for z/OS Command Reference Volume 1* for the following command updates: • DEFAULTS SLOGCMDR • OVERRIDE SLOGCMDR *IBM Tivoli NetView for z/OS Programming: Pipes* documents a new edit order named D4NV ('destined for NetView')
Dynamic Pipes	Provides a new option for the PIPE PERSIST stage that allows for handling intermediate output from commands. This allows REXX procedures to run while asynchronous, correlated messages are being returned.	See • the TRAP option for the PIPE PERSIST stage command in the *IBM Tivoli NetView for z/OS Programming: Pipes* and sample usage under option 13 in the CNMS1101 sample • the CORR option on the ATTACH command in the *IBM Tivoli NetView for z/OS Command Reference Volume 1* • the TRAP command in the *IBM Tivoli NetView for z/OS Command Reference Volume 2*
Enhanced IP Connection Management	Additional information about active IP connections is available.	See the TCPCONN command in the *IBM Tivoli NetView for z/OS Command Reference Volume 1*
RMTCMD over TCP/IP connection enhancement	If a remote NetView host loses RMTCMD connectivity with a local NetView host for a user-specified amount of time, the RMTCMD connection ends. This allows reestablishment of the connection with the next RMTCMD request.	See the RMTINIT.KEEPALIVE statement in the *IBM Tivoli NetView for z/OS Administration Reference*
Additional TCP/IP connection data	Active TCP/IP connection data is now available in the Tivoli Enterprise Portal.	*IBM Tivoli NetView for z/OS User's Guide*
DVIPA data	DVIPA data is now available from a NetView 3270 console, and enhancements have been made to the data in the Tivoli Enterprise Portal.	*IBM Tivoli NetView for z/OS User's Guide*

Table 3. Networking and Automation Changes (continued)

Function	Description	Additional information
Authorization checking for REXX/CLISTs	The NetView program will confirm the existence of a REXX/CLIST before authorization checking occurs. This prevents possibly erroneous security violations when a command is entered that is not valid.	*IBM Tivoli NetView for z/OS Programming: REXX and the NetView Command List Language*
Identify Hung Listeners	At times, a port can refuse connections but appear normal in a NETSTAT command. This new function allows for monitoring of critical ports and automated recovery of hung ports.	See the TESTPORT command in the *IBM Tivoli NetView for z/OS Command Reference Volume 1*
IPv6 support fully enabled	Commands, components, and services are enabled for support of IPv6 addressing.	See also the IPv6Env statement in the *IBM Tivoli NetView for z/OS Administration Reference*
SNMP traps	Trap-to-alert and alert-to-trap conversion is now available as a base NetView function and supports SNMPv2c and SNMPv3. Use of the Event/Automation Service (E/AS) in the NetView program is no longer required.	See the chapter on SNMP trap automation in the *IBM Tivoli NetView for z/OS Automation Guide*
Tivoli Enterprise Portal	Additional NetView data is available in the Tivoli Enterprise Portal: • DVIPA • Sysplex • TCP/IP stack configuration and status data • NetView health • Situations • Expert advice	*IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*, *IBM Tivoli NetView for z/OS User's Guide*, and *IBM Tivoli NetView for z/OS Administration Reference*

Usability Enhancements

Table 4. Usability Enhancements

Function	Description	Additional information
NetView Management Console (NMC) and RODM	Mainframe TCP/IP hosts are now highlighted in NMC by use of an icon that is distinct from distributed TCP/IP hosts. The Resource Properties window, Other Data field, contains additional z/OS information about mainframe TCP/IP hosts, such as Sysplex Name and SNA name.	See the chapter on Internet Protocol Network Operation in the *IBM Tivoli NetView for z/OS MultiSystem Manager User's Guide*
Identify duplicate statements in policy files.	Use the CNMEDUPS command to specify a policy file to be searched for duplicate statements. Duplicates can optionally be removed.	See the CNMEDUPS command in the *IBM Tivoli NetView for z/OS Command Reference Volume 1*

Enterprise Integration

Table 5. Enterprise Integration Enhancements

Function	Description	Additional information
IBM Tivoli NetView for z/OS Enterprise Management Agent	Provides management of the network from the Tivoli Enterprise Portal using sampled and real-time data. The sampled data can provide information about network resources and outages, as well as about trends in the network. NetView, VTAM®, and z/OS commands can be issued from the Tivoli Enterprise Portal. Both availability and performance data can be managed from the Tivoli Enterprise Portal using cross-product links to selected OMEGAMON XE V4.1.0 agents.	*IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*, *IBM Tivoli NetView for z/OS User's Guide*, and *IBM Tivoli NetView for z/OS Administration Reference*
CMDB support	Provides a Discovery Library Adapter (DLA) that extracts information about TCP/IP resources and relationships from the NetView for z/OS RODM data cache and sends the managed resource information to the IBM Tivoli Change and Configuration Management Database (CCMDB), where it is available to other management products.	See the CCMDB support section in the *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components* and the CNMSTYLE DLA statements in the *IBM Tivoli NetView for z/OS Administration Reference*
APSERV command interface	Allows authorized programs (clients) to run NetView or MVS commands under a properly established user name and to log the results.	*IBM Tivoli NetView for z/OS Application Programmer's Guide*

Serviceability

Table 6. Serviceability

Function	Description	Additional information
AON CLISTS are shipped as uncompiled REXX.	In previous releases of NetView, AON CLISTs were shipped in the CNMCLST data set as compiled REXX . In NetView for z/OS Version 5.3, these are shipped as uncompiled REXX. There are no changes to AON functionality.	None

> Additional Enhancements

> If you applied the PTF for APAR OA22729, the following additional functions have been enhanced:

> • "IP Management" on page 5

> • "NetView Resource Manager" on page 5

> • "Commands" on page 5

IP Management

The following IP management functions have been enhanced:

- The connection between the event correlation service and the NetView program is made through TCP/IP sockets. The connection now supports IPv6 communication.
- The IPSTAT function supports IPv6 communication and no longer requires the AON component to be enabled.
- The following IP management functions no longer require the AON component to be enabled:
  - Active monitoring
  - Intrusion Detection Services
  - IPTRACE command
- The Web application connection management function supports IPv6 communication.
- The data collectors used by the NetView for z/OS Enterprise Management Agent and the NetView for z/OS Web application are enabled to collect IPv6 data:
  - DVIPA connections and status for a system
  - Sysplex distributors and distributor targets for a system
  - Connection data
  - Port data pertaining to selected IP addresses (Web Application only)
  - Detailed information on active network interfaces

Commands

The following commands are enabled for IPv6 communication:

- ENDTASK
- INITNRM
- NRMCTL
- PING
- QRS
- RMTCMD
- RMTSEND
- TIMER
- TN3270

Usage enhancements:

1. When you issue the PING command without any operands, a full-screen panel is displayed that you can use to ping a resource.
2. When you issue the TRACERTE command without operands, a full-screen panel is displayed that you can use to specify options.
3. The INITNRM, RMTCMD, and RMTSEND commands support the RMTALIAS and RMTSYN definitions set in CNMSTYLE or its included members.

NetView Resource Manager

Previously, you could use SNA LU 6.2 or TCP/IP (IPv4) for communication between managers and agents. With APAR OA22729, you can also use TCP6 (TCP/IP over IPv6) for the communication protocol. To enable IPv6 communication, use the NRM.CMODE CNMSTYLE statement.

Chapter 2. Preparing for Migration

This book provides information for migration to NetView V5R3. Before beginning your installation, read the NetView program directory. For basic installation information, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*.

If you are migrating from a release prior to Tivoli NetView for OS/390 V1R3, install as a new user. Refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*.

Overview

Migration consists of:

1. Installing the NetView program from distribution tape using SMP/E with the help of the NetView program directory
2. Making necessary additional preparations to your z/OS system for the current NetView release
3. Modifying your existing NetView installation to incorporate changes that have been made to the current NetView release
4. Verifying the migration by testing the basic functions of the NetView program

This book is designed to guide you through the migration and verification of the NetView program in a minimum amount of time.

Hardware and Software Requirements

Refer to the NetView program directory for detailed information and an inclusive list of the hardware and software requirements for installation.

Installation Package

For detailed information on the installation package contents, refer to the NetView program directory.

Workstation-based NetView code is shipped in two formats:

- CD
- Tivoli Web site

Installing the New NetView Release While Running the Old NetView Release

If you want to keep running your old version of the NetView program as your production system while you plan for and migrate to V5R3, the following actions can make your migration easier:

- If you ordered this package as a PDO, you can install the V5R3 files into separate SMP global and target zones from those used for your existing NetView release.
- Unless you plan to run two full NetView programs concurrently, it is a good idea to delete the old NetView release when your migration is completed.

- The modules that are copied into SCNMLPA1 during V5R3 installation are backward-compatible with:
  - Tivoli NetView for z/OS Version 5 Release 2
  - Tivoli NetView for z/OS Version 5 Release 1
  - Tivoli NetView for OS/390 Version 1 Release 4
  - Tivoli NetView for OS/390 Version 1 Release 3

  While the modules in SCNMLPA1 are backward-compatible with previous NetView releases, it is recommended to run with the copy of these modules from the current release to keep SCNMLPA1 up to date. Therefore, delete the old copy of SCNMLPA1 and place the V5R3 copy of SCNMLPA1 in LPALST. Schedule this activity at a convenient time because this requires you to restart your z/OS system.
- The ISTIECCE load module in NETVIEW.V5R3M0.SCNMLNK1 is not compatible with the ISTIECCE module from NetView releases V1R3 or V1R4. Be sure that the correct level of this module is included in the VTAMLIB DD statement in your VTAM start procedure. Using an earlier version of the ISTIECCE module or not having this module in the correct library can result in status monitor initialization failure or other unpredictable results.

Support is provided for running two releases of the NetView program, NetView management console, and RODM on one production system. For more information about running two NetView releases on the same system, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.

Migration Process

Follow the steps in the process outlined in subsequent sections to migrate to the current release of the NetView program. These steps are a high-level overview of the installation process used for new users, and serve as a checklist to ensure that the environment is prepared and that the NetView program is installed properly. The environments that are prepared for the current NetView release include:

- MVS system
- UNIX system services

After preparing these environments for the NetView program, the migration steps are grouped in the following way:

- Base NetView functions
- Graphical NetView functions
- Advanced NetView configuration

Before you begin the migration process, make a backup copy of your NetView libraries.

Data Set Consolidation

Note: This section does not apply to you if you are migrating from NetView for z/OS V5R2 or later.

The RODM and AON data sets from previous releases have been consolidated into NetView data sets.

Table 7. Data Set Consolidation

Previous Data Set Name	V5R3 Data Set Name
AEKGCAS1	ACNMSAMP
AEKGLUTB	ACNMSAMP
AEKGMOD1	ACNMLINK
AEKGPNL1	ACNMPNL1
AEKGSMP1	ACNMSAMP
AEZLCLST	ACNMCLST
AEZLINST	ACNMSAMP
AEZLLINK	ACNMLINK
AEZLPNLU	ACNMPNL1
AEZLSAMP	ACNMSAMP
SEKGCAS1	CNMSAMP
SEKGLNK1	SCNMLNKN
SEKGLUTB	CNMSAMP
SEKGMOD1	CNMLINK
SEKGMOD2	CNMLINK
SEKGPNL1	CNMPNL1
SEKGSMP1	CNMSAMP
SEZLCLST	CNMCLST
SEZLINST	CNMSAMP
SEZLLINK	CNMLINK
SEZLPNLU	CNMPNL1
SEZLSAMP	CNMSAMP

Notes:

1. SCNMLNKN is a new data set name.
2. RODM data sets AEKGLANG and SEKGLANG were not consolidated.

Preparing the MVS System

The following steps are required to update MVS for the NetView V5R3 program. These are the same basic steps required for a new installation. For additional information on these steps, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*.

Refer to Table 8 to update members in SYS1.PARMLIB.

Table 8. SYS1.PARMLIB Members

Member Name	Suggested Updates
COUPLExx	For automatic restart manager (ARM) support, verify that the ARM couple data set is identified to XCF by the following DATA statement (defined in member IEASYSxx): `DATA TYPE(ARM) PCOUPLE(primary-dsname) ACOUPLE(alternate-dsname)` For workload manager (WLM) support, verify that the COUPLE and WLM data sets are specified.

Table 8. SYS1.PARMLIB Members (continued)

Member Name	Suggested Updates
PROGxx or IEAAPFxx	If these are not already authorized, authorize all the libraries included in the STEPLIB, VTAMLIB, and NCPLOAD concatenations in your VTAM and NetView start procedures: • VTAM start procedure: CNMSJ008 (CNMNET) • NetView start procedure: CNMSJ009 (CNMPROC) • NetView subsystem interface (SSI) start procedure: CNMSJ010 (CNMPSSI) • RODM start procedure: EKGXRODM • GMFHS start procedure: CNMSJH10 (CNMGMFHS) • Event/Automation Service start procedure: IHSAEVNT Verify the following NetView libraries are authorized: • NETVIEW.V5R3M0.SCNMLNK1 • NETVIEW.V5R3M0.SCNMLPA1 • NETVIEW.V5R3M0.CNMLINK • NETVIEW.V5R3M0.SCNMLNKN • NETVIEW.V5R3M0.SCNMUXLK (for customers using Event/Automation Service) If you plan to use the Tivoli NetView for z/OS Enterprise Management Agent, authorize the following additional libraries: • RKANMOD • RKANMODL • RKANMODU • Any runtime libraries that are concatenated in the STEPLIB DDNAME and in the RKANMODL DDNAME of the CANSNA and CANSDSST started tasks **Note:** If you are installing the Japanese program V5R3, authorize the NetView data set, SCNMMJPN. This data set is in the STEPLIB of CNMPROC. For the REXX environment, verify that one of the following libraries is APF-authorized: • REXX/370 runtime library: SEAGLPA • REXX alternate library: SEAGALT **Note:** You can use the SETPROG APF command to dynamically update the list of APF-authorized libraries. The following data sets are no longer used by NetView V5R3 and can be removed if they are not being used for other reasons: • SEKGMOD1 • SEKGMOD2 • SEZLLINK • SEKGLNK1 • SEKGSMP1
IEAIPSxx	For the workload manager, you can no longer specify a dispatching priority in JCL. The system ignores the DPRTY keyword on the JCL EXEC statement. No warning message is issued when a DPRTY parameter is recognized but ignored.

Table 8. SYS1.PARMLIB Members (continued)

Member Name	Suggested Updates

IEASYMxx	Add a SYSDEF statement to identify user-defined system symbols for the NetView program, including the TCP/IP application name, RODM name, and network ID.
	
	Setting these symbolic variables can alleviate modification of many of the NetView initialization members unless some default parameter such as a TCP/IP port needs to be changed.
	
	For example, you can define the following symbolic variables (these are the default NetView symbolic names):
	`SYSDEF SYMDEF(&CNMTCPN='tcpip_name')`
	`SYSDEF SYMDEF(&CNMRODM='rodm_name')`
	`SYSDEF SYMDEF(&CNMNETID='network_id')`
	
	The initialization members that use the symbolic variables are shown in Table 9 on page 14.
	
	If you use sample A01APPLS (CNMS0013), you can set the &CNMDOMN symbol to the NetView domain. If you do not set this symbol, replace &CNMDOMN with the NetView domain.
	Note: The NetView for z/OS Enterprise Management Agent also supports system symbolics if you need to make updates. See the *IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*.

IEASYSxx	Specify the maximum number of ASIDs and replacement ASIDs for the NetView program. Beginning with V5R3, there are one or two additional address spaces per LPAR for the NetView for z/OS Enterprise Management Agent. You will have two if you run a z/OS Tivoli Enterprise Monitoring Server. • Set MAXUSER to the number of ASIDs you want available at any one time. • Set RSVNONR to the value you want for replacement values. **Note:** The total of the values of MAXUSER, RSVNONR, and RSVSTRT, cannot exceed 32767. If you want a low MAXUSER value, be sure to provide a reasonably large value for RSVNONR. Add a COUPLE system parameter to identify the COUPLExx member containing the DATA statements for the automatic restart manager (ARM) or the workload manager (WLM). Add PLEXCFG=MONOPLEX or PLEXCFG=MULTISYSTEM for ARM or WLM support.

Table 8. SYS1.PARMLIB Members (continued)

Member Name	Suggested Updates
IEFSSNxx	Verify that the NetView and RODM subsystem names are defined: • RODM subsystem name (EKGX is the default) • 4-character NetView subsystem name (CNMP is the default) • (Optional) Tivoli NetView for z/OS Enterprise Management Agent subsystem name CANS Consider the following conditions before deciding where to place the NetView subsystem name in IEFSSNxx: • If you place the NetView subsystem name before other subsystem names in IEFSSNxx, the NetView subsystem receives all MVS system messages and commands without any modification by the other subsystems. • If you place the NetView subsystem name after other subsystem names in IEFSSNxx, all MVS messages and commands received by the NetView subsystem are affected by the changes made by the other subsystems listed before the NetView subsystem.
IEFUSI	The NetView for z/OS Enterprise Management Agent creates a data space for each NetView with which it communicates. If you limit the number of data spaces in your installation with the IEFUSI exit, be sure to make adjustments as necessary.
PROGxx or LNKLSTxx	Add NETVIEW.V5R3M0.CNMLINK and NETVIEW.V5R3M0.SCNMLNKN to the LNKLST*xx* member that defines the linklist for the target system. Data sets listed in LNKLST*xx* must be cataloged in the system master catalog. The following data sets are no longer used by NetView V5R3 and can be removed if they are not being used for other reasons: • SEKGMOD1 • SEKGMOD2 • SEZLLINK • SEKGLNK1 • SEKGSMP1 **Note:** If you are using the Take Action security solution for z/OS products which use the Tivoli Management Services infrastructure, coding the NetView CNMLINK data set in LNKLSTxx is not sufficient. You must also concatenate in the NetView CNMLINK data set under the RKANMODL DD statement in the Tivoli Enterprise Monitoring Server or the z/OS agent. See the *IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents* about the Take Action security.
LOADxx	If necessary, add an IEASYM statement to identify the IEASYMxx member to use for user-defined system variables.

Table 8. SYS1.PARMLIB Members (continued)

Member Name	Suggested Updates
LPALSTxx	Include the SCNMLPA1 data set. If you are running a previous NetView release on the same system as V5R3, add the V5R3 SCNMLPA1 to LPALST*xx*. Ensure that LPALST*xx* does not include any previous NetView SCNMLPA1. **Note:** Data sets listed in LPALST*xx* must be authorized in PROG*xx* or IEAAPF*xx* and cataloged in the USER CATALOG(VOLSER), for example NETVIEW.V5R3M0.SCNMLPA1(NVPTFM).

SCHEDxx	Verify that the NetView program runs in MVS storage key 8. Ensure the SCHEDxx statements for the NetView program are used:
	• The NetView program without the hardware monitor (NPDA), PGM=DSIMNT in your NetView JCL PROC:
	`PPT PGMNAME(DSIMNT) NOSWAP KEY(8)`
	• The NetView program with the hardware monitor (NPDA), PGM=BNJLINTX in your NetView JCL PROC:
	`PPT PGMNAME(BNJLINTX) NOSWAP KEY(8)`
	• The RODM program, PGM=EKGTC000 in your RODM JCL PROC:
	`PPT PGMNAME(EKGTC000) NOSWAP NOCANCEL`
	• The NetView GMFHS program, PGM=DUIFT000 in your GMFHS JCL PROC:
	`PPT PGMNAME(DUIFT000) NOSWAP KEY(8)`
	The NetView program SSI address space and the NetView for z/OS Enterprise Management Agent can make themselves nonswappable.

SMFPRMxx	Verify that type 37 (hardware monitor) and type 39 (session monitor) SMF records are set up to be collected. **Note:** Use of the supervisor call instruction (SVC) number is no longer supported in the NetView program. If you were using an SVC number, delete the following statement: `LOGSVC nnn` The corresponding SVC can be deleted from LPALIB if you are no longer running a previous release of the NetView program.

The initialization members that use the symbolic variables are listed in Table 9:

Table 9. Symbolic Variable Usage by Initialization Members

Member	Task	TCP/IP NAME	RODM NAME	NETID
		&CNMTCPN	**&CNMRODM**	**&CNMNETID**
CNMSTYLE	NetView initialization	X	X	X
DUIGINIT	GMFHS (Graphics)		X	
FLBSYSD	SNA Topology manager		X	
Note: After you run job CNMSJBUP (see Table 11 on page 16), you can use sample CNMSJM12 in data set NETVIEW.V5R3USER.INSTALL as an alternate method to do symbol substitution. CNMSJM12 replaces symbolic variables in NetView members.				

Additional considerations include:

- If you are migrating from NetView V1R3, the NetView V5R3 program requires access to the REXX runtime library or the REXX alternate library.
- Several of the NetView components (such as MultiSystem Manager and AON) and base NetView functions exercise code that is written in REXX. The NetView program also contains several parts that make use of the Data REXX function. Use the Data REXX function to include REXX instructions and functions in data files. To initialize the NetView program, you might need to adjust the maximum number of language processor environments that the system initializes for the NetView address space. For more information on language processor (REXX) environments for the NetView program, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.
- If you are going to run System Automation for OS/390 and the AON component of the NetView program in the same address space, enable the workload manager. For more information, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.
- If you plan to use the MVS command exit DSIMCAEX, add the following statement to MPFLST*xx* member in SYS1.PARMLIB:

  ```
  .CMD USEREXIT(DSIMCAEX)
  ```

  For more information, refer to *IBM Tivoli NetView for z/OS Automation Guide*.

Preparing UNIX System Services

The following steps are required to update the UNIX System Services for NetView V5R3. When you upgrade your MVS NetView components to V5R3, also upgrade your UNIX System Services NetView components to V5R3.

Notes:

1. Because of the way the NetView program accesses UNIX System Services configuration files, you can only run one version of the configuration files with the NetView program.
2. If you are running multiple NetView programs under one LPAR, you can only access the CNMEUNIX program from one of these NetView programs. This is because the PPI receiver is specified in the CNMEUNIX program.

These are the same basic steps required for a new installation. For additional information on these steps, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.

1. Update member BPXPRM*xx* in SYS1.PARMLIB to specify UNIX System Services parameters.
2. If necessary, update the z/OS UNIX System Services environment variables.
3. Review your existing RACF® definitions. For more information, refer to the *IBM Tivoli NetView for z/OS Security Reference*.
4. Enable the UNIX command server.
5. Review the Event/Automation Service start-up procedure IHSAEVNT.
6. After installation, review the correlation engine/Common Event Infrastructure interface start-up job CNMSJZCE.

The following is the NetView V5R3 directory structure used by the USS environment. Any previous NetView release directory structure is no longer used.

- /usr/lpp/netview/v5r3/bin
- /usr/lpp/netview/v5r3/lib
- /usr/lpp/netview/v5r3/mibs
- /usr/lpp/netview/v5r3/samples
- /usr/lpp/netview/v5r3/samples/properties

When you have completed your configuration, NetView V5R3 USS uses the directories in Table 10:

Table 10. Directory structure used by UNIX System Services

Directory	Description
/usr/lpp/netview/v5r3/bin	
/usr/lpp/netview/v5r3/mibs	
/etc/netview/mibs	For user-defined MIBs and MIBs not shipped with NetView V5R3
/etc/netview/v5r3	Application files
/etc/netview/v5r3/properties	Application files
/tmp/netview/v5r3	Application files
/tmp/netview/v5r3/logs	Application files
/var/netview/v5r3/rulefiles	Application files

The NetView MIB collection can be found in the `/usr/lpp/netview/v5r3/mibs` directory. As shipped, NetView looks for user-defined MIBs in the `/etc/netview/mibs/` directory. If you choose to place your user-defined MIBs in another location, you must update the COMMON.CNMSNMP.MIBPATH statement in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the locations of your MIBs. For more information on the MIB collection provided by NetView, refer to the README.mibs file in the `/usr/lpp/netview/v5r3/mibs/` directory.

Preparing the NetView Program

Consider the steps in Table 11 when migrating to NetView V5R3. These are the same basic steps required for a new installation. Noted in these steps are changes that affect migrating users. For additional information, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*.

Warning: After running CNMSJBUP, all of the NetView installation JCL and related members can be found in data set NETVIEW.V5R3USER.INSTALL. Only work from this data set. Continuing to work from NETVIEW.V5R3M0.CNMSAMP can cause unexpected results when you are running the installation JCL described in Table 11.

Table 11. Installation JCL

Member	Description
CNMSJBUP	Copies the installation JCL members in NETVIEW.V5R3M0.CNMSAMP into data set NETVIEW.V5R3USER.INSTALL. **Note:** The entire NetView samples library is not copied. Only a subset of the members that might need modification in data set NETVIEW.V5R3M0.CNMSAMP is copied.

Table 11. Installation JCL (continued)

Member	Description
CNMSJ001	Creates an ICF catalog and defines the ALIAS name NETVIEW as the high-level qualifier for the NetView data sets. Run this job if you did not define this alias name during the NetView program directory installation and you plan to use this high-level qualifier.
CNMSJ002	Allocates partitioned data sets. Allocate a set of V5R3 user data sets for each NetView domain that you are installing and copy all of your customized members from that domain's user data sets into these V5R3 data sets. **Notes:** 1. Review the symbolic variables in the comments supplied in this job. Change the &UNIT and &SER JCL variables to match your installation, if needed. 2. Change the &DOMAIN JCL variable to match the NetView domain name you are installing. 3. As of V1R4, the following data sets are no longer needed: • NETVIEW.V*x*R*x*USER.&*domain*.USER.PROFILE • NETVIEW.V*x*R*x*USER.&*domain*.VIEW.OUTPUT 4. As of V5R1, the SEZLPNLU user data set is no longer used. Instead, use NETVIEW.V5R3USER.&*domain*.CNMPNL1. If you previously customized panels in the SEZLPNLU data set, migrate those changes to the panels in CNMPNL1. 5. As of V5R2, a user NETVIEW.V*x*R*x*USER.&*domain*.CNMCLST data set is provided to use for customized command lists and REXX execs.
CNMSJ000	Changes the default NetView domain (CNM01), subarea (01), and the VSAM allocate volume (CPDLB2) in the NetView installation JCL and NetView samples. Changed samples are placed in the following data sets: • NETVIEW.V5R3USER.&domain.DSIPARM • NETVIEW.V5R3USER.INSTALL • NETVIEW.V5R3USER.&*domain*.VTAMLST The default VSAM allocation is changed to NOVOLSER. This causes the volume parameter to be removed from the IDCAMS member that allocates the component VSAM clusters.
CNMSJ003	Copies NetView procedures to PROCLIB, AON members to the user DSIPARM and user CNMPNL1 data sets, and sample network VTAM members to the user VTAMLST data set. **Notes:** 1. Review CNMSJI10 and make any changes before running CNMSJ003 to ensure that you do not write over existing members in your PROCLIB. Then, uncomment the //PDS2 EXEC statement in CNMSJ003. 2. Steps PDS5 through PDS8 are initially commented out. If you plan to install the NetView for z/OS Enterprise Management Agent, uncomment these steps. The members copied by these steps are placed in your IBM Tivoli Monitoring data sets. They are used by the configuration tool. 3. As of V1R4, the VIEWPP NetView procedure is no longer needed.

Table 11. Installation JCL (continued)

Member	Description
CNMSJ004	Allocates VSAM clusters. Consider allocating new VSAM clusters for NetView V5R3. **Notes:** 1. If you use 3390 DASD, or if you are moving from 3380 DASD to 3390 DASD during your installation of NetView V5R3, the NetView defaults will work in your environment. Ensure that the copy of DSIZVLSR you are using is compatible with your cluster definitions. If you plan to use 3380 DASD with NetView V5R3, edit the CI values for all VSAM cluster definitions to reflect 3380 data and index values. Also, ensure that the copy of DSIZVLSR you are using specifies the proper values for 3380 DASD. You might need to update CNMSJM01, assemble and link-edit it, and put it into a user library. Refer to the *IBM Tivoli NetView for z/OS Tuning Guide* for more information. 2. If you are migrating from a release prior to Tivoli NetView V1R3, reallocate all your VSAM databases for optimal performance. 3. If necessary, redefine the NetView log, including passwords and switching between primary and secondary logs. 4. For more information about allocating VSAM clusters for RODM, refer to the *IBM Tivoli NetView for z/OS Installation: Configuring Graphical Components*. 5. As of V5R2, the DSITCONP and DSITCONS databases are new for TCP/IP connection management. 6. As of V5R2, the VSAM clusters for AON are allocated by default in CNMSJ004.

Additional installation considerations include:

1. To run the V5R3 NetView program with System Automation for OS/390, apply APAR OA10721. This APAR provides SA/390 command definitions in member INGCMD. These command definitions replace member AOFCMD0. If your existing NetView environment includes AOFCMD0, remove any references to AOFCMD0 to avoid conflicts during NetView initialization.
2. Reassemble or recompile any user-written NetView code.

   If you have written applications that run with the NetView program, recompile your code with the SCNMMAC1 data set. Refer to the *IBM Tivoli NetView for z/OS Customization Guide* and *IBM Tivoli NetView for z/OS Programming: Assembler* for more information.
3. The MESSAGE category is no longer supported. Message forwarding is done by users or application programs such as AON. For migration, previously shipped NetView message forwarding samples will continue to work. Some of these samples rely on the following common global variables to be set during NetView initialization:

   &DIALTIME
   Maximum time that the alert forwarding command lists processing the VARY NET,DIAL command waits for a response from the command before continuing to process data.

   &WAITTIME
   Maximum time that the alert forwarding command lists processing

commands other than VARY NET,DIAL waits for a response from the command before continuing to process data.

&RETRYTIM
Time that the message-forwarding command lists wait between link station dial attempts if the dial fails because the link station is in a state that is not valid.

&LNK*domid*
Link station name associated with the remote domain (*domid*). You can set this variable using the SETADIAL command.

&CDRM*domid*
CDRM name associated with the remote domain (*domid*). You can set this variable using the SETADIAL command.

The following command can set the &LNK*domid* and the &CDRM*domid* variables. Code one for each host (remote domain) with which this host communicates over a switched line:

```
SETADIAL domid linkid cdrmid
```

Where:

domid Is the 1–5 character name of the remote domain that communicates with this host over a switched line.

linkid Is the 1–8 character cross-domain link station name associated with the remote domain.

cdrmid Is the 1–8 character cross-domain CDRM name associated with the remote domain.

4. After the NetView program is distributed throughout the network, gradually migrate the nodes to use the RMTCMD command and LU 6.2 sessions.

   In a multiple CMC or multiple focal-point enterprise, update all CMCs or focal points to use the RMTCMD command and LU 6.2 sessions before you migrate these nodes to use extended multiple console support (EMCS) consoles. Also, in networks that use distributed automation, update all NetView programs that exchange messages to use the RMTCMD command and LU 6.2 sessions before you migrate the programs to use EMCS consoles. In both cases, if possible, complete the migration to the RMTCMD command and LU 6.2 sessions before you use EMCS consoles, to avoid losing MDB data such as highlighting and some DOM information.
5. The VIEW command processor is used to display full-screen panels from user-written programs. VIEW attempts to retrieve the value for any variables defined on a panel from the calling procedure's local dictionary. If you have existing panels that need updates from global variables, you might have to isolate the VIEW call from local variables. You can do this with the REXX DROP or PROCEDURE statements or by using PIPE VAR. For more information, refer to the *IBM Tivoli NetView for z/OS Customization Guide*.

Preparing Graphical NetView Components

The graphics components are activated with TOWER statements in DSIPARM member CNMSTYLE. Copy the TOWER statement to CNMSTUSR or C*xx*STGEN and remove the asterisk from the components that you plan to use, including Graphics and MSM (if you are enabling the MultiSystem Manager). An example statement follows:

```
TOWER = *SA *AON MSM Graphics MVScmdMgt NPDA NLDM TCPIPCOLLECT
   *AMI *TARA *DVIPA *TEMA
```

For the MultiSystem Manager and the SNA Topology manager, also enable the subtowers.

Some changes to CNMSTYLE include members require a restart of the NetView program for them to take effect. For this reason, make all CNMSTYLE updates at the same time for the graphics functions that you plan to use as part of this installation.

The steps that follow are required to update the graphics functions for NetView V5R3. For additional information on these steps, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Graphical Components*.

Consider the following items in migrating RODM and GMFHS functions to the current release:

1. NetView VSAM clusters for the RODM log and checkpoint databases were defined when you ran sample job CNMSJ004 (see Table 11 on page 16).

   Note: Consider increasing the size of the RODM checkpoint data sets if you use the checkpoint function and the estimated number of objects that you expect to store in RODM exceeds the previous maximum supported number of approximately 524,000 objects.
2. Update the RODM start procedure EKGXRODM to match your environment.
3. Update the RODM definition member EKGCUST.
4. Review the initialization values for the RODM DSIQTSK task in DSIQTSKI.
5. Update the GMFHS start procedure CNMGMFHS to match your environment.
6. Update the GMFHS definition statements in DUIGINIT as needed.
7. Review the initialization values for the status focal point in members DUIISFP, DUIFPMEM, and DUIIGHB.

Consider the following items in migrating the NetView management console:

1. Review your NetView management console topology server configuration.
2. Review your NetView management console topology console configurations.
3. Configure NetView management console for the NetView 3270 management console.

To migrate the SNA Topology manager, review the initialization files FLBSYSD, FLBOSIDS, FLBSRT, and FLBEXV.

To migrate the MultiSystem Manager:

1. To enable the MultiSystem Manager agents, locate the following statement in DSIPARM member CNMSTYLE:

   ```
   TOWER.MSM = LNM IP OPN TMR
   ```

   Agent names preceded by an asterisk are disabled. Copy the TOWER.MSM statement to CNMSTUSR or C*xx*STGEN and remove or add asterisks as necessary to enable the agents that you plan to use. When the TOWER.MSM statement is enabled, the %INCLUDE statement for FLCSOPF (used for operator profiles) is also enabled.
2. Upgrade your MultiSystem Manager agents to the current level.
3. Review the Event/Automation Service initialization member IHSAECFG.
4. Review your MultiSystem Manager initialization file (shipped as FLCSAINP prior to NetView V5R1).

5. Allocate additional NetView DSRBs if necessary.
6. Review the number of REXX environments specified. For more information, refer to the *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.
7. Review the settings for the NetView RATE and AUTORATE statements, and for the RUNCMD time-out value.
8. Review the setup for the NetView cross-domain environment.

Preparing the AON Component

If necessary, make the following changes for AON:

- Copy the TOWER CNMSTYLE statement to CNMSTUSR or C*xx*STGEN and remove the asterisk (*) preceding the AON function. This enables all of the AON components.

  On the subtower statement, add asterisks preceding any of the AON functions that you are not going to use:

  ```
  TOWER.AON = SNA TCP
  ```
- Define STATMON statements for AON/SNA.
- Enable NetView Access Services.
- Move any TCP390 statements from AON configuration members EZLCFG01, FKXCFG01, and FKVCFG01 into the NetView base policy member CNMPOLCY.
- Update the AON control file.
- Review the AON policy definitions.
- For AON TCP 390 support, ensure UNIXSERV=YES is defined on the TCP390 statement for local stacks in CNMPOLCY.
- Enable minimal AON functions if you are not using full AON automation.

Additional Considerations for Migrating DSIPARM and DSICLD Members

If your existing DSIPARM and DSICLD members contain changes that you added, you can add the changes for the new release to your existing members, instead of using the copies created during NetView installation. For more information, see one of the following topics:

- Chapter 3, “Migrating from Tivoli NetView for OS/390 Version 1 Release 3,” on page 23
- Chapter 4, “Migrating from Tivoli NetView for OS/390 Version 1 Release 4,” on page 55
- Chapter 5, “Migrating from Tivoli NetView for z/OS Version 5 Release 1,” on page 81
- Chapter 6, “Migrating from Tivoli NetView for z/OS Version 5 Release 2,” on page 103

After you have made any necessary changes, continue with Chapter 7, “Getting Ready to Start NetView,” on page 117.

Chapter 3. Migrating from Tivoli NetView for OS/390 Version 1 Release 3

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from the Tivoli NetView for OS/390 Version 1 Release 3. The migration information is based on the NetView components as shipped with the initial release of V1R3. You can either add the V5R3 content into your V1R3 NetView definitions, or add your V1R3 customization to the default V5R3 members supplied with the NetView program. Either way, place the customized member into an appropriate user-allocated data set such as NETVIEW.V5R3USER.CNM01.DSIPARM. Do not customize members in the SMP/E-managed data sets such as NETVIEW.V5R3M0.DSIPARM.

> **Note:** Additional migration information has been added to this chapter that relates
> to APAR OA22729.

Several factors can influence the method you use when migrating your NetView definition members. Factors such as the size and complexity of your network, security policies that must be followed, and established practices within your business can all influence what is the best method for your migration. The checklist that follows details the documented method of migration as outlined in this book and supported by other books in the NetView library. Choose the method of migration that is best for you.

Perform the following steps to migrate your V1R3 definitions:

1. Allocate a new set of V5R3 user data sets by running sample job CNMSJ002. You needed to have done this when you completed the steps in Table 11 on page 16.
2. Run sample job CNMSJMIG to convert your V1R3 DSIPARM members and your CNME1034 initial command list to the new CNMSTYLE format. See Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197 for more details.
3. Run sample job CNMSJMIG to convert your V1R3 DSICMD member to the new CNMCMD format. See Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197 for more details.
4. Define a unique &NV2I value (*xx*) for each NetView domain.
5. Move any domain-specific statements from the DSIPARM member CNMSTUSR that was created by CNMSJMIG into C*xx*STGEN, where *xx* is the value of the local symbolic variable &NV2I that you defined in the previous step.
6. Review the CNMSTYLE information in this chapter and the default CNMSTYLE member shipped with the NetView program. Place any domain-specific customization of CNMSTYLE into C*xx*STGEN and any system-wide customization of CNMSTYLE into CNMSTUSR, noting that some of these changes might have already been added by CNMSJMIG. Do not modify the default CNMSTYLE member.
7. Review the remaining information in this chapter, and migrate your V1R3 NetView definition members and JCL procedures as appropriate, placing only those members that have been modified into the V5R3 user data sets.

The NetView initialization flow has been simplified through the implementation of CNMSTYLE. Figure 5 on page 24 shows the initialization flow for NetView V1R3,

and Figure 6 shows the simplified NetView V5R3 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

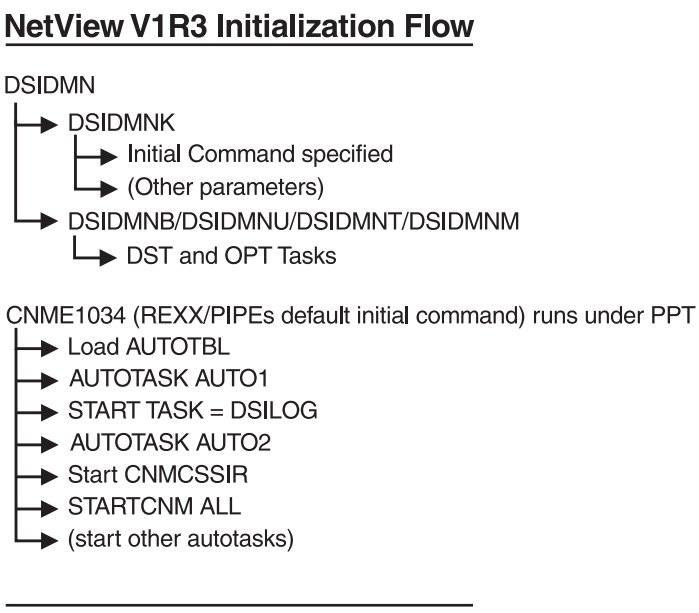


Figure 5. NetView V1R3 Initialization Flow

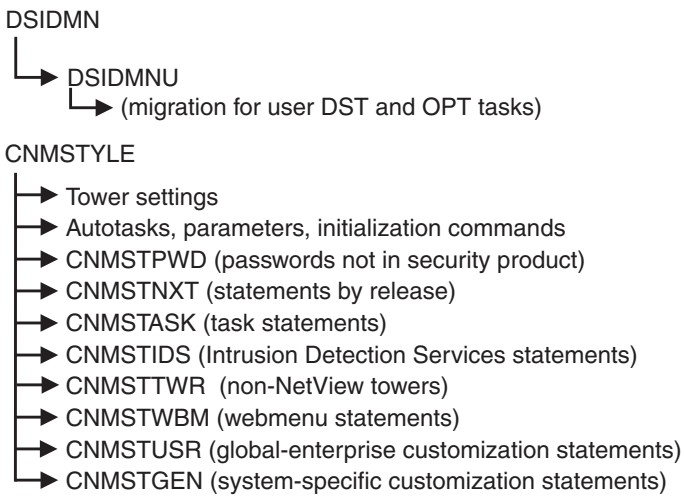


Figure 6. NetView V5R3 Initialization Flow

When you finish with this chapter, continue with Chapter 7, "Getting Ready to Start NetView," on page 117.

If you want information about...	Refer to...
Changes including panels, commands, messages, and samples	• Appendix A, "Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4," on page 151 • Appendix B, "Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for z/OS Version 5 Release 1," on page 167 • Appendix C, "Changes from Tivoli NetView for z/OS Version 5 Release 1 to Tivoli NetView for z/OS Version 5 Release 2," on page 181 • Appendix D, "Changes from Tivoli NetView for z/OS Version 5 Release 2 to Tivoli NetView for z/OS Version 5 Release 3," on page 189

New Samples

Table 12 lists new samples to review during migration.

Table 12. List of New Samples

Distributed As	Name	Description	Data Set Name
CNMCAU00	same	MVS command management exclusion/inclusion table	CNMSAMP
CNMCMD	same	NetView command definitions for NetView commands The CMDDEF statements provide the definitions for the commands. Some of the CMDDEF statements have command synonyms (CMDSYN). These statements provide a synonym for the command. This definition also provides the cross-domain logon definitions and the CMDDEF statements (and synonyms) for the terminal access facility (TAF) and the VTAM program. Files with names that begin with CNMS6 are included in NETVIEW.V5R3M0.CNMSAMP. Include these files in CNMCMD so that you can use the automation command lists that are also included on the distribution tape.	DSIPARM
CNMCMDO	same	Command definitions for product-specific defined commands	DSIPARM
CNMCMDU	same	Command definitions for user-defined commands	DSIPARM
CNMCMENT	same	NetView command definitions	DSIPARM
CNMCMSYS	same	NetView command definitions	DSIPARM
CNMIPMGT	same	Automation policy for NetView IP management	DSIPARM

Table 12. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
CNMPOLCY	same	Automation policy for NetView	DSIPARM
CNMSAF2	same	Sets RACF definitions for NetView operators and commands	CNMSAMP
CNMSBAK1	same	Backup command authorization table	DSIPARM
CNMSCAT2	same	Sample command authorization table	DSIPARM
CNMSCBEA	same	Automation sample that shows how to use the CBE automation table action to produce common base event XML documents	DSIPARM
CNMSCBET	same	Template file for defining Common Base Event XML elements	DSIPARM
CNMSCM	same	SNMP community names for TCP/IP stacks	DSIPARM
CNMSDVIP	same	This sample displays the DVIPA definition and status data. It formats the DVIPSTAT command output (BNH846I message) into a user-friendly format.	CNMSAMP
CNMSDVPC	same	This sample displays the DVIPA connection data. It formats the DVIPCONN command output (BNH849I message) into a user-friendly format.	CNMSAMP
CNMSEMAA	same	Automation table member for the NetView for z/OS Enterprise Management Agent	DSIPARM
CNMSEPTL	same	Automation table sample for resource discovery	DSIPARM
CNMSJCRG	same	CNMSTYLE report generator sample job	CNMSAMP
CNMSJEMA	same	Allocates and copies a user INSTLIB data set used for starting the configuration tool for the NetView for z/OS Enterprise Management Agent	CNMSAMP
CNMSJKVW	same	Sample job to copy members from the SCNMAGNT data set to the z/OS Tivoli Enterprise Monitoring Server RKANDATV data set	CNMSAMP
CNMSJMIG	same	CNMSTYLE migration tool sample job	CNMSAMP
CNMSJZCE	same	Sample start job for the event correlation engine	CNMSAMP
CNMSMRT1	same	Message revision table	DSIPARM
CNMSPAN2	same	Sample NetView span table	DSIPARM
CNMSPLEX	same	This sample displays the DVIPA sysplex distributor data. It formats the DVIPPLEX command output (BNH847I message) into a user-friendly format.	CNMSAMP
CNMSSTAC	same	This sample displays the TCP/IP stack configuration and status data. It formats the STACSTAT command output (BNH845I message) into a user-friendly format.	CNMSAMP

Table 12. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
CNMSTARG	same	This sample displays the DVIPA distributor target and DVIPA workload by port data. It formats the DVIPTARG command output (BNH848I and BNH850I messages) into a user-friendly format.	CNMSAMP
CNMSTASK	same	NetView-provided task statements	DSIPARM
CNMSTIDS	same	Includes Intrusion Detection Services (IDS) initialization statements.	DSIPARM
CNMSTGEN	same	You can include additional or modified system-specific CNMSTYLE definition statements, including DATA REXX logic.	DSIPARM
CNMSTNXT	same	Includes modifiable CNMSTYLE statements by release. CNMSTNXT is commented out in CNMSTYLE. It is provided for documentation purposes only.	DSIPARM
CNMSTPWD	same	Includes VSAM and ACB passwords.	DSIPARM
CNMSTTWR	same	Includes CNMSTYLE statements from non-NetView towers.	DSIPARM
CNMSTUSR	same	Customization member for CNMSTYLE: include additional or modified global (enterprise) definition statements that override statements in CNMSTYLE.	DSIPARM
CNMSTWBM	same	Includes Web browser portfolio definitions	DSIPARM
CNMSTYLE	same	Defines some of the NetView initialization parameters.	DSIPARM
CNMSVTET	same	VTAM monitor auto-table: message suppression	DSIPARM
CNMSVTFT	same	VTAM monitor auto-table entries	DSIPARM
DSIAUTB	same	Part list for usage of the AUTBYPAS REXX or CLIST function	DSIPARM
DSIAUTBU	same	User defined part list for AUTBYPAS REXX or CLIST function	DSIPARM
DSIILGCF	same	Syslog task configuration	DSIPARM
DSIPROFG	same	Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.	DSIPRF
DSIPROFN	same	Automated operator profile for the NetView for z/OS Enterprise Management Agent data collection autotasks (AUTODC*n*)	DSIPRF
DSIPROFV	same	Automated operator profile for the visual BLDVIEWS server	DSIPRF
DSIREXCF	same	Rexec server task configuration	DSIPARM
DSIRHOST	same	RSH security file	DSIPARM
DSIRSHCF	same	RSH server task configuration	DSIPARM
DSIW3PRF	same	Properties definitions for 3270 Web sessions	DSIPARM
DSIZCETB	same	Automation table sample for the event correlation engine	DSIPARM

Table 12. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
DUIFNRM1	same	Group of RODM Collection Manager collections The contents of the collections are various NetView Resource Manager objects from ALL monitored NetView programs.	CNMSAMP
DUIFNRM2	same	Group of RODM Collection Manager collections The contents of the collections are various NetView Resource Manager objects from a single NetView program.	CNMSAMP
DUIPOLCY	same	Define NMCSTATUS policy definitions	DSIPARM
EZLCMENT	same	NetView command definitions for base AON commands	DSIPARM
EZLSI300	same	IEBCOPY AON members to user DSIPARM data set	CNMSAMP
EZLSI301	same	IEBCOPY AON members to user CNMPNL1 data set	CNMSAMP
FKVCMENT	same	NetView command definitions for AON/SNA commands	DSIPARM
FKXCMENT	same	NetView command definitions for AON/TCP commands	DSIPARM
FKXIPMTB	same	Configuration data for NetView IP management automation	DSIPARM
FKXOPFIP	same	Operator definitions for NetView IP management automation	DSIPARM
FKXSCM	same	Defines community names for IP resources to AON/TCP for active monitoring and commands	DSIPARM
FLCAINP	same	Sample initialization file This file can be used as a template when creating the MultiSystem Manager initialization file (or files) for your site. If you rename this file, specify that file name when issuing the INITTOPO command. FLCAINP contains an example of how to use the %INCLUDE statement to include other MultiSystem Manager initialization files.	DSIPARM
FLCSDM9	same	MultiSystem Manager data model — part 9 This file enables the use of RODM methods for linking TN3270 resources to IP resources.	CNMSAMP

Table 12. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
FLCS3270	same	Sample for support of TN3270 Manager (server/client) Sample FLCS3270 enables management of TN3270 resources, both servers and clients.	DSIPARM

VTAM Address Space

The samples in this section list changes for the VTAM address space.

A01APPLS (CNMS0013)

This member contains the application (APPL) major nodes coded for the NetView program.

If you did not reallocate and recopy the VTAMLST data sets, make the following changes to A01APPLS:

- Either set the domain ID (system variable &CNMDOMN) in SYS1.PARMLIB member IEASYM*xx* or change *every* occurrence of &CNMDOMN. in A01APPLS (CNMS0013) to the current domain ID.
- If you are not using the status monitor preprocessor, you can replace the APPL statements defining tasks for multiple concurrent NetView operators with one APPL statement using wildcard characters (??), for example:

```
&CNMDOMN.0?? APPL  AUTH=(NVPACE,SPO,ACQ,PASS),PRTCT=&CNMDOMN.,     X
               EAS=4,MODETAB=AMODETAB,DLOGMOD=DSILGMOD
```

- If you are not using the status monitor preprocessor, you can replace the TAF APPL statements with one APPL statement using wildcard characters (??) following the LU name, for example:

```
TAF010?? APPL  MODETAB=AMODETAB,EAS=9,       X
               DLOGMOD=M3767
```

APPL names defined for use by other applications (such as TAF) must not be defined with the same naming scheme as terminal logon APPLs (for example, the domain name followed by a 3-character suffix). Doing so can cause these application names to be used by the NetView program for terminal logons, which can make the application names unavailable for the purpose for which they were defined.

ATCCONxx

Remove any GRAPHOPT statements from your VTAM configuration start list. These statements are comments to VTAM if not removed.

CNMNET (CNMSJ008)

CNMNET (CNMSJ008) is the start procedure for the VTAM program.

Change CNMNET in your PROCLIB in the following way:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.

NetView Address Space

The samples in this section list changes for the NetView address space.

AAUPRMLP

AAUPRMLP is a member of DSIPARM that contains initialization statements for the session monitor. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of AAUPRMLP, and update the NLDM statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in AAUPRMLP. Do not modify the shipped version of AAUPRMLP.

BNJMBDST

If you made changes to BNJMBDST (hardware monitor initialization member), migrate the changes to DSIPARM member CNMSTYLE (or its included members such as CNMSTUSR or C*xx*STGEN). Most BNJMBDST statements have associated statements in CNMSTYLE (for example, NPDA.DSRBO or NPDA.ALERTFWD).

BNJMBDST statements that apply to DST members (for example XITCI) have no associated CNMSTYLE statements. In this case, add these statements to the Data REXX version of BNJMBDST. Make sure that you enclose the statements in quotation marks so that the REXX program can return them as NetView data lines rather than interpreting them as REXX statements.

CNME1034

If you made changes to CNME1034 to extend the processing performed during NetView initialization, you need to incorporate equivalent changes to CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN. CNME1034 is no longer used by NetView initialization.

The following statements have been moved from CNME1034 to CNMSTYLE. Notice that some of the parameters have changed.

Table 13. CNME1034 Statements Moved to CNMSTYLE

Function	CNME1034 Statements	CNMSTYLE Statements
Correlated command definition file	`CCDEF MEMBER=DSICCDEF`	`CCDEF = DSICCDEF`
Data set prefix for private operator datasets	`CNMOPDSPREFIX = 'NETVIEW.OPDS.'`	`OpDsPrefix = NETVIEW.OPDS.`
Load automation table	`AUTOTBL MEMBER=DSITBL01`	`AUTOCMD.DSITBL01.order = A`
Setting initial defaults	`logOpts = 'NETLOG=YES SYSLOG=NO'`	`DEFAULTS.NetLog = Yes` `DEFAULTS.SysLog = No`
Name of the Subsystem Interface	`Pipe command`	`SSIname = C&NV2I.CSSIR`

Table 13. CNME1034 Statements Moved to CNMSTYLE (continued)

Function	CNME1034 Statements	CNMSTYLE Statements
Translation member	TRANSMSG MEMBER=CNMTRMSG	transMember = CNMTRMSG
Memstore values	OVERRIDE MAXIO=0,TASK=memtask EVERY 00:02:00 ROUTE=memtask EVERYCON=YES MEMSTORE 5% 5	function.autotask.memStore = auto2 memStore.stgLimit = 5% memStore.minHits = 5 memStore.frequency = 2 memStore.never = DSIPARM.DSIOPF DSIPARM.DSIOPFU DSILIST.* *.USERMEM
IDLEOFF	IDLEOFF INIT idlotask 60 10	function.autotask.idleoff = AUTO1 idleParms.idlemin = 60 idleParms.frequency = 10 idleParms.exceptOp = OPER1, NETOP1 idleParms.exceptAuto = ALL
ASSIGN	ASSIGN GROUP=+STATGRP, OP=(NETOP1,NETOP2)	ASSIGN.STATGRP.GROUP = NETOP1,NETOP2,AUTO1 ASSIGN.OPERGRP.GROUP = OPER1,OPER2,OPER3,OPER4, OPER5,OPER6
HLLENV	HLLENV CHANGE,REGENVS=2, CRITENVS=0,TYPE=IBMADPLI HLLENV CHANGE,REGENVS=2, CRITENVS=0,TYPE=IBMADC	HLLENV.IBMADPLI.REGENVS=2 HLLENV.IBMADPLI.CRITENVS=0 HLLENV.IBMADPLI.DEFAULT= NOTPREINIT HLLENV.IBMADPLI.PSTACK=131072 HLLENV.IBMADPLI.PHEAP=131072 HLLENV.IBMADC.REGENVS=2 HLLENV.IBMADC.CRITENVS=0 HLLENV.IBMADC.DEFAULT=NOTPREINIT HLLENV.IBMADC.PSTACK=131072 HLLENV.IBMADC.PHEAP=131072
Start VTAM CMIP Services	F NET,VTAMOPTS,OSIMGMT=YES	TOWER = Graphics TOWER.Graphics = SNATM
DBINIT	***DBINIT NLDM** NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00 :00 1 ***DBINIT NPDA** NONE CYL 50 50 Y PURGE 5 Y PURGE 5 2:00 :00 1 ***DBINIT TARA** NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00 :00 1 ***DBINIT SAVE** NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00 :00 1	**auxInitCmd.DB1=DBINIT NLDM** NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00:00 1 **auxInitCmd.DB2=DBINIT NPDA** NONE CYL 50 50 Y PURGE 5 Y PURGE 5 2:30:00 1 **auxInitCmd.DB3=DBINIT TARA** NONE CYL 50 50 Y REORG 0 Y REORG 0 3:00:00 1 **auxInitCmd.DB4=DBINIT SAVE** NONE CYL 50 50 Y REORG 0 Y REORG 0 3:30:00 1
Global variables	GLOBALV PUTC SMFVPD GLOBALV PUTC DUIFHNAM DUIFHPRC GLOBALV PUTC EKGHNAM EKGHPRC	COMMON.SMFVPD = 37 COMMON.DUIFHNAM = GMFHS COMMON.DUIFHPRC = CNMGMFHS COMMON.EKGHNAM = RODM COMMON.EKGHPRC = EKGXRODM

To define a command or a command list to run automatically when the NetView program is started, use the auxInitCmd statement in CNMSTUSR or C*xx*STGEN. You can specify any number of commands or command lists to be run.

CNMIPMGT

DSIPARM member CNMIPMGT is a new sample that contains IP management policy definitions. It is included by the CNMPOLCY member. This sample was added with APAR OA22729.

CNMNEWS

CNMNEWS is the customizable sample containing text that can be displayed to operators during logon. (This text was originally supplied using the NEWS command list, CNME1008.)

Update the text in CNMNEWS with your system data.

Member CNMNEWS is contained in the NETVIEW.V5R3M0.SDSIOPEN data set.

CNMPROC (CNMSJ009)

CNMPROC (CNMSJ009) is the start procedure for the NetView program.

Make the following changes to CNMPROC in your PROCLIB:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. Because the AON VSAM data sets have increased in size, reallocate them during migration. For more information on allocating VSAM data sets, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*. Also note that the VSAM cluster name prefixes have changed to NETVIEW.&*domain*.
4. The default region size is increased to 65536 K. If you are using the existing default region size (32768 K) for the NetView product, increase the region size value:

   ```
   //       REG=65536,            ** REGION SIZE(IN K) FOR NETVIEW
   ```

   Depending on the components you are running, you might want to increase the region size even more. For additional information, refer to the *IBM Tivoli NetView for z/OS Tuning Guide*.
5. Add the following REXX statement after the SQ1 statement to specify the high level qualifier of your REXX libraries:

   ```
   //       REXX='EAG.V1R4M0',    ** REXX DSN HIGH LEVEL QUALIFIER
   ```
6. Add a comma following the SUBSYM parameter to enable the two-character identifier:

   ```
   //       SUBSYM='',            ** NETVIEW SYMBOLIC SUBSTITUTION SWITCH
   ```
7. Add the following NV2I statement and comments after the SUBSYM statement to allow the specification of a two-character identifier:

   ```
   //       NV2I='',
   //*                            ** UNIQUE AID  A two character value
   //*                            ** used to build a symbolic in NetView
   //*                            ** It is used to create unique names
   //*                            ** for the particular NetView.
   //*                            ** If you specify a value, you MUST
   //*                            ** rename/copy CNMSTYLE to CxxSTYLE
   //*                            ** to match.
   ```

The start procedure contains the specification of a two-character identifier NV2I. This value becomes a local system variable &NV2I, and is used to construct names that need to be unique to each NetView program within an MVS image, a sysplex, or a network. If no value is specified for &NV2I, its value defaults to NM.

If you specify a value for &NV2I (*xx*), copy CNMSTYLE to C*xx*STYLE to match the identifier you used. Then, modify C*xx*STGEN for your system. For example, if you set &NV2I to N1, NetView initialization uses member CN1STYLE in DSIPARM instead of CNMSTYLE.

8. Add the following TRSIZE statement and comments after the NV2I statement to allow the specification of the trace table size:

```
//       TRSIZE=4000
//*                            ** INTERNAL TRACE TABLE SIZE - Number
//*                            ** of pages to be allocated for the
//*                            ** NetView Internal Trace table. The
//*                            ** trace table is located in a data
//*                            ** space, so the value can be up to
//*                            ** 524286. If no value is specified,
//*                            ** the default of 4000 is used. If
//*                            ** a value of 0 is passed, internal
//*                            ** trace is not started early. Trace
//*                            ** options in CNMSTYLE take effect
//*                            ** even if trace is not started early.
//*
```

9. Add the &NV2I and &TRSIZE variables to the NetView EXEC statement, as shown:

```
//NETVIEW  EXEC PGM=&PROG,TIME=1440,
//         REGION=&REG.K,
//         PARM=(&BFSZ.K,&SLSZ,
//           '&DOMAIN','&DOMAINPW','&ARM','&SUBSYM','&NV2I','&TRSIZE'),
//         DPRTY=(13,13)
//         DPRTY=(13,13)
```

10. Remove the following DD statements from the STEPLIB concatenation:

```
//         DD   DSN=&SQ1..SEKGMOD1,DISP=SHR
⋮
//* UNCOMMENT THE FOLLOWING LINE IF YOU WILL BE USING AON AUTOMATION
//*        DD   DSN=&SQ1..SEZLLINK,DISP=SHR
```

11. Change the following DD statement in the STEPLIB concatenation (change SEAGLMD to SEAGLPA):

```
//* YOU WILL NEED ACCESS TO EITHER THE REXX/370 RUNTIME LIBRARY
//* OR THE REXX ALTERNATE LIBRARY AS FOLLOWS:
//*
//* - IF YOU HAVE THE REXX/370 LIBRARY ON YOUR SYSTEM BUT SEAGLPA
//*   IS NOT ACCESSIBLE FROM THE PAGEABLE LINK PACK AREA (PLPA),
//*   THEN YOU MUST UNCOMMENT THE "SEAGLPA" LINE BELOW.
//*
//*    OR
//*
//* - IF YOU HAVE THE REXX ALTERNATE LIBRARY ON YOUR SYSTEM,
//*   BUT SEAGALT IS NOT ACCESSIBLE FROM THE PLPA OR LINKLST,
//*   THEN YOU MUST UNCOMMENT THE "SEAGALT" LINE BELOW.
//*
//* WHEN YOU UNCOMMENT EITHER OF THE LINES BELOW, MAKE SURE
//* THAT THE DSN ACTUALLY MATCHES THE NAME ON YOUR SYSTEM.
//* IN ADDITION, MAKE SURE THAT THE DATASET IS APF-AUTHORIZED.
//*
//*        DD   DSN=&REXX..SEAGLPA,DISP=SHR
//*        DD   DSN=&REXX..SEAGALT,DISP=SHR
```

Note: Either the REXX/370 runtime library or the REXX alternate library is required.

12. If you plan to run Language Environment® (LE) HLL programs with the NetView program, and did not install the LE runtime library in the LNKLSTxx, be sure the library name in the STEPLIB of CNMPROC is correct and uncommented.
13. Update the DSICLD DD statement to add the following user data set:

```
//DSICLD   DD   DSN=&Q1..&DOMAIN..CNMCLST,DISP=SHR
//         DD   DSN=&SQ1..CNMCLST,DISP=SHR
//         DD   DSN=&SQ1..CNMSAMP,DISP=SHR
```

Remove the following DD statements from the DSICLD concatenation:

```
//         DD   DSN=&SQ1..SEZLCLST,DISP=SHR
:
//         DD   DSN=&SQ1..SEKGSMP1,DISP=SHR
```

14. Remove the following statements from the CNMPNL1 concatenation:

```
//                       DD   DSN=&SQ1..SEKGPNL1,DISP=SHR
//* COMMENT THE FOLLOWING LINE OUT IF YOU WILL NOT BE USING AON INFORM
//* POLICY, TIMER COMMAND, CGED COMMAND OR DM COMMAND.
//                       DD   DSN=&Q1..&DOMAIN..SEZLPNLU,DISP=SHR
//                       DD   DSN=&SQ1..SEZLPNLU,DISP=SHR
:
//* UNCOMMENT THE SEKGPNL2 DEFINITION STATEMENT FOR A JAPANESE
//* SYSTEM WITH RODM
//*                        DD   DSN=&SQ1..SEKGPNL2,DISP=SHR
```

Update the CNMPNL1 concatenation in the following way:

```
//CNMPNL1  DD   DSN=&Q1..&DOMAIN..CNMPNL1,DISP=SHR
//* JAPANESE ONLINE HELP DATASET (PANELS)
//*                     DD   DSN=&SQ1..SCNMPNL2,DISP=SHR
//* ENGLISH ONLINE HELP DATASET (PANELS)
//                       DD   DSN=&SQ1..CNMPNL1,DISP=SHR
```

15. Add the following TCP connection VSAM databases:

```
//DSITCONP DD   DSN=&VQ1..&DOMAIN..DSITCONP,
//         DISP=SHR,AMP='AMORG'
//DSITCONS DD   DSN=&VQ1..&DOMAIN..DSITCONS,
//         DISP=SHR,AMP='AMORG'
```

16. Add the following TCP/IP translate data set information and update the statement as needed for your installation:

```
//*
//*************************************************************
//* If you are using the TCP/IP translate data set TCPXLBIN,
//* specify the appropriate data set name and uncomment the
//* following DD statement to prevent dynamic allocation
//* messages from being issued each time the data set is needed.
//*
//*CNMXLBIN  DD  DISP=SHR,DSN=datasetprefix.STANDARD.TCPXLBIN
//*
//* For more information please see your IP Configuration Guide.
```

CNMPSSI (CNMSJ010)

CNMPSSI (CNMSJ010) starts the NetView subsystem address space.

Make the following changes to CNMPSSI in your PROCLIB:

1. Ensure that the high-level qualifier for system data sets points to NETVIEW.V5R3M0.

2. The default value for MSGIFAC has changed from SYSTEM to SSIEXT. Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values are not supported.

```
//       MSGIFAC='SSIEXT',    ** SSI/EXTENDED CONSOLE OVERRIDE SWITCH
```

3. Add the following statements after the P4000BUF parameter to set the route code. If you add these statements, add a comma after the P4000BUF=0 statement.

```
//       ROUTECDE=1           ** Route code to be used for WTOs issued
//*                           **  by the SSI address space.  Messages
//*                           **  that may be issued before this parm
//*                           **  is processed will use route code 1
//*                           **  regardless of the value set here.
```

4. Add the &ROUTECDE variable to the NetView EXEC statement, as shown:

```
//NETVIEW  EXEC PGM=&PROG,TIME=1440,REGION=&REG.K,
//         PARM=(&MBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
//          '&PFXREG',&P256BUF,&P4000BUF,&ROUTECDE),DPRTY=(13,13)
```

CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN instead of modifying individual samples as in prior releases of the NetView product. CNMSTYLE is designed to simplify the NetView initialization process.

You can use sample CNMSJMIG in data set NETVIEW.V5R3USER.INSTALL to migrate initialization members from prior releases (including CNME1034 and some DSIPARM members) to CNMSTUSR. For more information, see Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197.

The CNMSTYLE and dependent members replace some of the definition statements in DSIPARM and all the initialization performed by CNME1034.

Table 14. CNMSTYLE Statement Relationship to Older DSIPARM Statements

CNMSTYLE Statement	DSIPARM Statement or Command	NetView Member
ACBpassword **Note:** This statement is contained in CNMSTYLE %INCLUDE member CNMSTPWD.	NCCFID DMNPSW	DSIDMNK
ASSIGN.*	ASSIGN	CNME1034
AUTOCMD	• NCCFIC *autotbl_name* • AUTOTBL	• DSIDMNK • CNME1034
AUTOTASK	AUTOTASK	CNME1034
auxInitCmd.*order*	NCCFIC IC	DSIDMNK
COMMON.*	GLOBALV	CNME1034
DB2SEC=RRS	DB2RRS	DSIDMNK
DEFAULTS.*	DEFAULTS	CNME1034
DEFAULTS.MAXABEND	MAXABEND	DSIDMNK
DEFAULTS.MAXLOGON	MAXLOGON	DSIDMNK
DOMAIN	NCCFID DOMAINID	DSIDMNK
FLC_DEF_NETW_VIEW	DEF_NETW_VIEW	FLCSAINP

Table 14. CNMSTYLE Statement Relationship to Older DSIPARM Statements (continued)

CNMSTYLE Statement	DSIPARM Statement or Command	NetView Member
FLC_EXCEPTION_VIEW_FILE	EXCEPTION_VIEW_FILE	FLCSAINP
FLC_RODMINT	RODMINT	FLCSAINP
FLC_RODMNAME	RODMNAME	FLCSAINP
FLC_RODMRETRY	RODMRETRY	FLCSAINP
FLC_RUNCMDRETRY	RUNCMDRETRY	FLCSAINP
FLC_TCPNAME	TCPNAME	FLCSAINP
LOADEXIT	LOADEXIT	DSIDMNK
LUC.*	*parameters*	DSILUCTD
MCON.*	*parameters*	DSITCPCF
MSMdefault	DEF_AUTOTASK	FLCSAINP
MVSPARM.*	MVSPARM	DSIDMNK
NLDM.*	*parameters*	• AAUPRMLP • DSIAMLTD
NPDA.*	*parameters*	BNJMBDST
NPDA.ALERTFWD	ALERTFWD	DSIDMNK
RRD	RRD	DSIDMNK
RTT.*	*parameters*	DSIRTTTD
SECOPTS.*	OPTIONS	DSIDMNK
SuppChar	NCCFID SUPPCHAR	DSIDMNK
TAMEL.*	*parameters*	DUIFPMEM
TASK	TASK	DSIDMN
transTbl	TRANSTBL	DSIDMNK
VTAMCP.USE	VTAMCP	DSIDMNK
WEB.*	*parameters*	DSIWBMEM

CNMSTYLE contains descriptive comments about the types of statements that are included. Read the comments and review the defaults.

The following defaults changed:

Table 15. CNMSTYLE statements

Default	Prior default	Current default
NCCF Trace **Note:** If you notice a significant increase in processor utilization during initialization, you might want to change the TRACE options or start the trace after NetView initialization is complete.	Off	On, MODE=INT
LOGONPW	CMDMDL commented out	CMDDEF enabled

Table 15. CNMSTYLE statements (continued)

Default	Prior default	Current default
ASSIGN	STATGRP specifies: • NETOP1 • NETOP2	STATGRP specifies: • NETOP1 • NETOP2 • AUTO1 OPERGRP specifies: • OPER1 • OPER2 • OPER3 • OPER4 • OPER5 • OPER6
MEMSTOR	Commented out in CNME1034	Enabled
	No predefined include or exclude lists	Predefined include list: • CNMPNL1.CNMKWIND • CNMPNL1.CNMBROWS • DSIOPEN.CNMKEYS • DSICLD.CNME1505 • DSICLD.CNME1096 If the DVIPA tower is enabled: • DSICLD.FKXEDVPT • DSICLD.FKXEDVPA • DSICLD.FKXEDVP1 • DSICLD.FKXEDVP2 • DSICLD.FKXEDVP3 • DSICLD.FKXEXLAT Predefined exclude list: • DSIPARM.DSIOPF • DSIPARM.DSIOPFU • DSILIST.* • *.USERMEM
MVSPARM.MSGIFAC	SYSTEM	SSIEXT The default value for MSGIFAC is SSIEXT. Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values are not supported.
IDLEOFF	Commented out in CNME1034	Runs on AUTO1 in CNMSTYLE.
HLLENV	Commented out in CNME1034	Initializes two environments each for PL/I and C in CNMSTYLE.
HLLENV keywords	PHEAP=4096	PHEAP=131072
	PSTACK=4096	PSTACK=131072

Table 15. CNMSTYLE statements (continued)

Default	Prior default	Current default
DEFAULTS command keywords	MAXABEND=1	MAXABEND=4
	AUTOLOGN=NO	AUTOLOGN=YES
	EVERYCON=NO	EVERYCON=YES
	AUTOSEC=CHECK	AUTOSEC=BYPASS
	STRTSERV=SBMTJOB	STRTSERV=STRTPROC
Tasks started automatically: • &DOMAIN.LUC • &DOMAIN.VMT • AAUTCNMI • AAUTSKLP • BNJDSERV • BNJDSE36 • BNJMNPDA • DSIAMLUT • DSIATOPT • DSICRTR • DSIGDS • DSIKREM • DSIQTSK • DSIROVS • DSITRACE	CNME1034 included a STARTCNM ALL command that started these tasks.	CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.

Note: For the SECOPTS.CMDAUTH statement, the NetView program supports the SCOPE option in migration mode only. If you currently use scope of commands security definitions (CMDCLASS, KEYCLASS, VALCLASS statements in DSICMD, with matching OPCLASS statements), you can convert them into equivalent command authorization table statements using the SECMIGR command. If you initialize the NetView program using the SCOPE option, the SECMIGR command is used to convert existing scope security definitions. The converted table is written to the first DSIPARM data set and is put into effect. Make sure the PPT has authority to write the converted command authorization table to the DSIPARM data set.

DSIAMIAT

Add the following statements to include instrumentation for the VTAM ACB monitor:

```
%INCLUDE CNMSVTFT   VTAM ACB MONITOR FOCAL POINT
%INCLUDE CNMSVTET   VTAM ACB MONITOR ENTRY POINT
```

The following instrumentation samples have changed. Review any changes you have made and incorporate them into the new samples.

- DSIAMIE
- DSIAMIN
- DSIAMIR
- DSIAMIT

DSIAMII

There have been extensive changes to this member, use the V5R3 copy.

DSIAMLTD

DSIAMLTD is a member of DSIPARM that contains initialization statements for the session monitor. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIAMLTD, and update the NLDM statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values specified in DSIAMLTD on the system from which you are migrating. Do not modify the DATA REXX version of DSIAMLTD.

DSICCDEF

If you made changes to this member, merge your current copy of DSICCDEF with the DSICCDEF sample shipped with V5R3.

DSICMD

The command definition statements in DSICMD have been replaced by new command definitions in member CNMCMD. NetView initialization continues to read DSICMDU for migration purposes. You can use sample CNMSJMIG to migrate member DSICMD to the new CNMCMD format. For more information, see Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197.

If you do not convert your definitions in DSICMDU to the new format before NetView initialization, information contained in DSICMDU is converted and stored in a NetView KEEP under the PPT for 2 hours. During this time, you can use a NetView PIPE command to retrieve these converted command definitions. The following example shows one way of retrieving these definitions for display:

```
/PPT: PIPE KEEP DSICMDU | CONS
```

You can also use a similar PIPE command to write the converted definitions to the CNMCMDU member of DSIPARM.

Note: Data REXX statements in DSICMDU have already been processed and therefore do not exist in the DSICMDU KEEP.

Command definitions in DSICMDU that duplicate command definitions found in either CNMCMSYS or CNMCMENT are overridden by the latter. Command definitions in DSICMDU that duplicate commands in the NetView internal command set are considered to be in error.

To migrate your definitions from DSICMDU, complete the following steps:

1. Start NetView in a test environment and note any DSI234I messages for duplicate command definitions.
2. Retrieve the migrated DSICMDU command definitions from the NetView KEEP and store them in CNMCMDU. For example:

   ```
   /PPT: PIPE KEEP DSICMDU | QSAM (DSN) user.dsiparm(CNMCMDU)
   ```

   where *user.dsiparm* specifies the data set in which to place the migrated command definition statements.

   Note: You can also use sample CNMSJMIG to migrate DSICMDU definitions before you start NetView V5R3.
3. Update the CNMCMDU definitions to change any duplicate command definitions noted during NetView initialization.

Make all changes to command definitions in CNMCMSYS or CNMCMENT using CMDDEF statements in CNMCMDU.

DSICMSYS

The DSICMSYS member in the DSIPARM data set was replaced by the CNMCMSYS member.

The CNMCMSYS member does not contain a CMDMDL statement for the CNME1500 command list. As a result, the READYRMT alias (command) is no longer defined. The CNME1500 member is still available.

EZLCMD

The EZLCMD member of DSIPARM has been replaced by EZLCMENT. You can remove SEC=BY from some AON command definition statements. For a list of these statements, refer to Appendix E, "AON CMDDEF Statements Not Requiring SEC=BY," on page 193.

FKXCMD

DSIPARM member FKXCMD has been replaced by FKXCMENT. You can remove SEC=BY from some AON command definition statements. For a list of these statements, refer to Appendix E, "AON CMDDEF Statements Not Requiring SEC=BY," on page 193.

DSICRTTD

Remove any DEFFOCPT statements that specify TYPE=STATUS, for example:

```
DEFFOCPT PRIMARY=CNM02LUC,TYPE=STATUS
```

DSICTMOD

DSICTMOD is the NetView constants module that can be updated using sample job CNMS0055. Use the DSICTMOD module shipped with V5R3. If you updated CNMS0055 for your current release, merge those changes into the V5R3 version of CNMS0055, submit it to assemble, and link-edit your changes into the DSICTMOD module.

Consider the following changes:

1. The default number of common global variables has increased from 100 to 400 variables.
2. The JES job log option is now set in CNMSTYLE using the JesJobLog statement.
3. The following constants for the NetView Graphic Monitor Facility are no longer being used:
   - Status collector recovery interval
   - Maximum number of SYNCH retries
   - First SYNCH retry timeout
   - Second SYNCH retry timeout
   - Third and all subsequent SYNCH retry timeout
   - Status collector send conversation timeout
   - LU and configuration view request timeout

DSIDMN

The parameters set in DSIDMN and its included members have been migrated to CNMSTYLE. If you do not remove existing statements, they are ignored during DSIDMN processing.

Make the following updates to DSIDMN:

1. Migrate TASK statements to CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN.
2. EXCMDSEC is no longer supported. Review your keyword and value authorizations for the EXCMD command to make sure that you maintain your preferred security. For more information, refer to *IBM Tivoli NetView for z/OS Security Reference*.
3. You cannot set the limit for the number of terminals that can log on to the NetView program. The limit is 4096. The POS and POSPOOL statements were removed from DSIDMNK and the DEFAULTS command in NetView V1R4.
4. The default for MSGIFAC on the MVSPARM statement has changed from SYSTEM to SSIEXT and is now specified in CNMSTYLE.

Note: Statements that were in DSIDMNK are now in CNMSTYLE. DSIDMNK has been removed.

DSIDMNU

User TASK statements are no longer contained in DSIDMNU. You can migrate the TASK statements that are currently coded in DSIDMNU to TASK statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN. For example, a TASK statement such as:

```
TASK MOD=module,TSKID=taskid,MEM=member,PRI=n,INIT=N
```

is now specified as:

```
TASK.taskid.MOD=module
TASK.taskid.MEM=member
TASK.taskid.PRI=n
TASK.taskid.INIT=N
```

To help with your migration, converted task statements from DSIDMN are found in a PIPE KEEP under the PPT. If applicable, the NetView program notifies you of this condition at initialization. For more information about accessing the PPT, refer to label commands in the *IBM Tivoli NetView for z/OS User's Guide*. For more information on the PIPE KEEP command, refer to *IBM Tivoli NetView for z/OS Programming: Pipes*.

If you do not convert your definitions in DSIDMNU to the new format before NetView initialization, information contained in DSIDMNU is converted and stored in a NetView KEEP under the PPT for 2 hours. During this time, you can use a NetView PIPE command to retrieve these converted definitions. The following example shows one way of retrieving these definitions for display:

```
/PPT: PIPE KEEP DSIDMNU | CONS
```

You can also use a similar PIPE command to write the converted definitions to the DSIDMNU member of DSIPARM.

Note: Data REXX statements in DSIDNMU have already been processed and therefore do not exist in the DSIDMNU KEEP.

DSIDMNU is still supported. However, any task groups found in CNMSTYLE and its included members override similar statements found in DSIDMN.

DSILUCTD

DSILUCTD is a member of DSIPARM that contains initialization statements for the CNM data transfer task. It includes logic to extract initialization values from

CNMSTYLE. Use the V5R3 copy of DSILUCTD, and update the LUC statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values specified in DSILUCTD on the system from which you are migrating.

DSIOPF

Because of extensive changes to DSIOPF, use the V5R3 version of DSIOPF. Data REXX logic has been added to conditionally define operator definitions based on the level of NetView installed, the towers that are enabled by CNMSTYLE and its included members, or both. The DSIOPF %INCLUDE members DSIOPFB, DSIOPFM, and DSIOPFT are no longer used. Ensure that your operator definitions defined in DSIOPFU are included in the V5R3 version of DSIOPFU.

You can also add Data REXX logic to conditionally define operator definitions in DSIOPFU. Data REXX files must have either `/*%DATA*/` or `/*%LOGIC*/` as the first statement. Comments can follow on the same or subsequent lines. A blank in the first column indicates a continuation of the previous statement. For more information on Data REXX, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.

The following information highlights modifications to DSIOPF since NetView V1R3. Consider the following lists of new, changed, and deleted operator definitions as you migrate your operator definitions, especially with regard to security.

Remove the FKWOPF %INCLUDE member.

The following operator definitions have been removed:

```
AUTOATMA      OPERATOR    PASSWORD=AUTOATMA
              PROFILEN    FLCSPRFB
AUTOATM1      OPERATOR    PASSWORD=AUTOATM1
              PROFILEN    FLCSPRFB
AUTOEWA       OPERATOR    PASSWORD=AUTOEWA
              PROFILEN    FLCSPRFB
AUTOEW1       OPERATOR    PASSWORD=AUTOEW1
              PROFILEN    FLCSPRFB
AUTOLMUA      OPERATOR    PASSWORD=AUTOLMUA
              PROFILEN    FLCSPRFB
AUTOLMU1      OPERATOR    PASSWORD=AUTOLMU1
              PROFILEN    FLCSPRFB
AUTONWA       OPERATOR    PASSWORD=AUTONWA
              PROFILEN    FLCSPRFB
AUTONW1       OPERATOR    PASSWORD=AUTONW1
              PROFILEN    FLCSPRFB
DBAUTO3       OPERATOR    PASSWORD=DBAUTO3
              PROFILEN    DSIPROFD
DBAUTO4       OPERATOR    PASSWORD=DBAUTO4
              PROFILEN    DSIPROFD
DNAUTOOP      OPERATOR    PASSWORD=DNAUTOOP
FLBGMMGR      OPERATOR    PASSWORD=FLBGMMGR
              PROFILEN    FLBGMMPR
FWDOP1        OPERATOR    PASSWORD=FWDOP
              PROFILEN    DSIPRFWD
FWDOP2        OPERATOR    PASSWORD=FWDOP
              PROFILEN    DSIPRFWD
FWDOP3        OPERATOR    PASSWORD=FWDOP
              PROFILEN    DSIPRFWD
FWDOP4        OPERATOR    PASSWORD=FWDOP
              PROFILEN    DSIPRFWD
FWDOP5        OPERATOR    PASSWORD=FWDOP
              PROFILEN    DSIPRFWD
IPMAUTO       OPERATOR    PASSWORD=IPMAUTO
```

```
              PROFILEN    DSIPROFH
MONOPER       OPERATOR    PASSWORD=MONOPER
              PROFILEN    DSIPRFMO
SERVOPER      OPERATOR    PASSWORD=SERVOPER
              PROFILEN    DSIPRFWD
```

The following operator definitions have changed their profile name from DSIPROFD to DSIPROFG:

```
AUTO2         OPERATOR    PASSWORD=AUTO2
              PROFILEN    DSIPROFG
DBAUTO1       OPERATOR    PASSWORD=DBAUTO1
              PROFILEN    DSIPROFG
DBAUTO2       OPERATOR    PASSWORD=DBAUTO2
              PROFILEN    DSIPROFG
DSIWEB        OPERATOR    PASSWORD=WEBSERV
              PROFILEN    DSIPROFG
```

The following operator definitions have been added:

Table 16. Operator Definitions Added to DSIOPF

Operator Definition	DSIOPF Statements
VTAM ACB monitor autotasks	AUTOVTAC OPERATOR PASSWORD=AUTOVTAC PROFILEN DSIPROFB AUTOVTDB OPERATOR PASSWORD=AUTOVTDB PROFILEN DSIPROFB
NetView policy services autotask	AUTOAON OPERATOR PASSWORD=AUTOAON PROFILEN DSIPROFC
MVS command management autotask	DSIMCAOP OPERATOR PASSWORD=CMDAUTO PROFILEN DSIPROFG
NetView Resource Manager autotask	AUTONRM OPERATOR PASSWORD=AUTONRM PROFILEN DSIPROFC
GMFHS autotask to process NMCSTATUS policy definitions	DUIFPOLI OPERATOR PASSWORD=DUIFPOLI PROFILEN DSIPROFI
Autotask to serve Visual BLDVIEWS clients over a TCP/IP connection	AUTOVBV OPERATOR PASSWORD=AUTOVBV PROFILEN DSIPROFV
Security check autotask definitions for DSTs and OPTs that accept connections from TCPIP	DSIIPCHK OPERATOR PASSWORD=DSIIPCHK PROFILEN DSIPROFC
DVIPA polling services autotask	AUTDVIPA OPERATOR PASSWORD=AUTDVIPA PROFILEN DSIPROFC
NetView for z/OS Tivoli Enterprise Portal Agent autotask	AUTONA OPERATOR PASSWORD=AUTONA PROFILEN DSIPROFC NATEP1 OPERATOR PASSWORD=NATEP1 PROFILEN DSIPROFC NATEP2 OPERATOR PASSWORD=NATEP2 PROFILEN DSIPROFC SYSADMIN OPERATOR PASSWORD=SYSADMIN PROFILEN DSIPROFC

Table 16. Operator Definitions Added to DSIOPF (continued)

Operator Definition	DSIOPF Statements		
Tivoli NetView for z/OS Enterprise Management Agent autotask	AUTONALC	OPERATOR	PASSWORD=AUTONALC
		PROFILEN	DSIPROFC
	AUTODC1	OPERATOR	PASSWORD=AUTODC1
		PROFILEN	DSIPROFN
	AUTODC2	OPERATOR	PASSWORD=AUTODC2
		PROFILEN	DSIPROFN
	AUTODC3	OPERATOR	PASSWORD=AUTODC3
		PROFILEN	DSIPROFN
	AUTODC4	OPERATOR	PASSWORD=AUTODC4
		PROFILEN	DSIPROFN
	AUTODC5	OPERATOR	PASSWORD=AUTODC5
		PROFILEN	DSIPROFN
	AUTODC6	OPERATOR	PASSWORD=AUTODC6
		PROFILEN	DSIPROFN
	AUTODC7	OPERATOR	PASSWORD=AUTODC7
		PROFILEN	DSIPROFN

If you applied the PTF for APAR OA22729, the following statements were added to the DSIOPF member:

- Conditional include for operator definitions for the IP Management tower if the AON tower is not active:

```
%>IF TOWER('IPMGT') & ¬TOWER('AON') THEN
  %INCLUDE FKXOPFIP
```

Additionally, the following operator definition was added:

Table 17. Operator Definition Added to DSIOPF

Operator Definition	DSIOPF Statements		
IP management services (AUTIPMGT) autotask	AUTIPMGT	OPERATOR	PASSWORD=AUTIPMGT
		PROFILEN	DSIPROFC

EZLOPF

In DSIOPF %INCLUDE member EZLOPF, the following prefixes have changed:

- The prefix for the base automation operator and its corresponding password has changed from AUTBASE to AONBASE.
- The prefixes for the message formatting and routing operator autotask definitions and their corresponding passwords have changed from AUTMSG*n* to AONMSG*n*.

FKVOPF

In DSIOPF %INCLUDE member FKVOPF, the prefixes for the SNA automation autotask definitions and their corresponding passwords have changed from AUTNET*n* to AONNET*n*.

FKXOPFIP

With APAR OA22729, the FKXOPFIP member is used when the IPGMT tower is enabled. This member is not used if the AON component is enabled. Because of this, operator definitions defined in FKXOPFIP duplicate some of the operator definitions in the EZLOPF and FKXOPF members.

> However, the following operator definitions are new:

> *Table 18. Operator Definitions Added to DSIOPF*

Operator Definition	DSIOPF Statements		
IP management services autotasks	AUTIPM*x*	OPERATOR PROFILEN	PASSWORD=AUTIPM*x* EZLPRFAO

DSIRTTTD

DSIRTTTD is a member of DSIPARM that contains initialization statements for the TCP/IP alert receiver. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIRTTTD, and update the RTT statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIRTTTD. Do not modify the Data REXX version of DSIRTTTD.

DSIRXPRM

DSIRXPRM contains the REXX initialization parameters required to establish a new REXX environment. Update DSIRXPRM using sample job CNMSJM11. Use the V5R3 version of DSIRXPRM. If you updated CNMSJM11 for your current release, merge those changes into the V5R3 version of CNMSJM11 and run it to assemble and link-edit your changes into the DSIRXPRM module.

DSISPN

DSISPN is now obsolete.

The NetView program provides a migration tool called SECMIGR that converts any existing VTAMLST and DSISPN definitions into entries in the NetView span table. SECMIGR creates the span table, converts your existing span of control definitions into span table statements, and loads them into the span table. When you are ready to initialize the NetView program, load the NetView span table by specifying its name on the SECOPTS.SPANAUTH statement in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN. For an example span table, refer to sample CNMSPAN2.

DSITBL01

DSITBL01 contains sample automation table definitions. Some %INCLUDE statements and associated statements to start automation have been replaced by entries in CNMSTYLE. If you have modified DSITBL01, merge your changes with the version of DSITBL01 that is shipped with this NetView release. After making changes, renumber the NetView automation table. When the NetView automation table processes a message and finds a match that results in a command or command list being run, it writes NetView message CNM493I to the NetView log file. Message CNM493I contains the line number of the automation table entry matched.

Several NetView-supplied messages have changed with the V5R3 program. These messages are listed in the appendices. Review the list and make any necessary changes to your automation table.

If your primary automation table name is not DSITBL01, change CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to include an AUTOCMD statement for your automation table.

A new section in the automation table for NetView Resource Manager is required to receive status from another host.

DSITCPCF

Member DSITCPCF in DSIPARM defines the initialization values for the task DSITCPIP. These values are used in communicating between TCP/IP and the NetView 3270 management console. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSITCPCF, and update the MCON statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSITCPCF. Do not modify the Data REXX version of DSITCPCF.

DSITCPRF

Member DSITCPRF in DSIPRF defines TCP/IP operator security profiles. The WEB_SERVER statement has been added to define the encryption keys for HTTP server sessions:

```
WEB_SERVER: default default
```

DSIUINIT

If you made changes to DSIUINIT (initialization member for task DSIUDST), migrate the changes to DSIPARM member CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN. Do not modify the Data REXX version of DSIUINIT.

DSIWBMEM

Member DSIWBMEM in DSIPARM defines the initialization values for the Web server. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIWBMEM, and update the WEB statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIWBMEM. Do not modify the Data REXX version of DSIWBMEM.

DSIZVLSR

DSIZVLSR defines the buffer pools to be used with the VSAM LSR and DSR performance options. Update DSIZVLSR by using sample job CNMSJM01. Use the DSIZVLSR module shipped with V5R3. If you updated CNMSJM01 for your current release, merge those changes into the V5R3 version of CNMSJM01 and run it to assemble and link-edit your changes into the DSIZVLSR module.

DUIFPMEM

DUIFPMEM is a member of DSIPARM that contains TCP/IP initialization statements for the CNMTAMEL task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect any changes you have made. Do not modify the DATA REXX version of DUIFPMEM.

The following statements used by DUIFPMEM in previous releases are no longer valid:

- CODEPAGE
- ENABLE31GDS
- NULLGDSOPIDS
- MAXRESOURCES
- MAXNETWORKS
- MAXSCCOUNT

- SC
- STATUSTABLE

DUIIGHB

DUIIGHB is a member of DSIPARM that contains initialization statements for the DUIDGHB task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DUIIGHB, and update the GHB statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DUIIGHB. Do not modify the Data REXX version of DUIIGHB.

FKXCFG01

DSIPARM member FKXCFG01 contains configuration information for AON.

TCP390 policy information was moved from FKXCFG01 to CNMPOLCY. Move any TCP390 statements in FKXCFG01 to the CNMPOLCY member. Review your other AON configuration members (for example EZLCFG01 and FKVCFG01) and any additional members that you included to find other TCP390 statements. Move all TCP390 statements to CNMPOLCY.

Add a DVIPADAT keyword on the TCP390 statement and set the value to Y (Yes) if you want to collect DVIPA data from the stack.

FLBSYSD

FLBSYSD is the initialization member for the SNA topology manager in DSIPARM.

The value for the RODMNAME parameter has been modified to use the &CNMRODM system symbolic variable.

```
RODM:
  RODMNAME="&CNMRODM."
```

The value for the APPLPASS parameter, which corresponds to the VTAM APPL PRTCT value, has been modified to use the &DOMAIN user symbolic variable.

```
  VTAM:
    APPLPASS="&DOMAIN."
```

The following keywords have been added to define string inserts used for RODM objects in the DisplayResourceOtherData (DROD) field:

```
  DRODTEXT:
   TN_PORT_NUMBER="Telnet Port"
   TN_DNS_NAME="Telnet Dns Name"
   DLUR_LOC_LSADR="dlurLocalLSAdr"
```

The following common delimiter keyword has been added for RODM objects in the DisplayResourceOtherData (DROD) field:

```
  COMMON:
   AGENT_DATA_TRUNCATION_IND="*"
```

The default value for the following keyword has been changed for MultiSystem Manager correlation:

```
  FIELDS:
   WRITE_CORRELATABLE_FIELDS=YES
```

Refer to the *IBM Tivoli NetView for z/OS SNA Topology Manager Implementation Guide* for more information about FLBSYSD.

FLBSYSDA

FLBSYSDA is the initialization member for the APPN accounting manager in DSIPARM. This member has been removed.

FLCSAINP

FLCSAINP is now obsolete. Prior to V5R3, FLCSAINP was the sample initialization file for the MultiSystem Manager. You can modify and rename FLCSAINP to either FLCAINP or another unique name. In V5R3, FLCAINP is used to specify the GETTOPO statements that you want to run during MultiSystem Manager initialization. All other MultiSystem Manager initialization definitions have been migrated to CNMSTYLE.

For V5R3, use your existing FLCAINP (or other uniquely named member) and make the following updates:

1. If you made changes to initialization definitions (other than GETTOPO statements), migrate the changes to CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN.
2. Delete the definitions (non-GETTOPO statements) that you migrated to CNMSTUSR or C*xx*STGEN.
3. Delete any START_DISCOVERY statements.
4. Delete any GETTOPO NWCP*xxx* statements.
5. Delete any GETTOPO LMU*xxx* statements.
6. Delete any GETTOPP ATM*xxx* statements.

Refer to *IBM Tivoli NetView for z/OS MultiSystem Manager User's Guide* for additional information about FLSAINP.

HELPMAP (CNMS1048)

Member HELPMAP (CNMS1048) contains the mapping for the NetView program help panel names.

Use the new versions of HELPMAP (CNMS1048) and CNMHELPU supplied in the NETVIEW.V5R3M0.DSIPARM data set.

Member HELPMAP (CNMS1048) contains the following help mappings:

User-added

```
%INCLUDE HELPMAPU
```

NetView-supplied

```
%INCLUDE CNMHELPF
```

If you want information about...	Refer to...
Adding your own command and help panels	*IBM Tivoli NetView for z/OS Customization Guide*

RODM Address Space

The samples in this section list changes for the RODM address space.

EKGLOADP

EKGLOADP is the sample RODM load procedure JCL.

Make the following changes to EKGLOADP:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. To set the ROUTECODE parameter, add the following statement after the COPIES parameter in the PROC statement. When you add this parameter, add a comma after the COPIES=1 parameter.

   ```
   //           ROUTECDE=1
   ```

3. Add the &ROUTECDE variable to the NetView EXEC statement, as shown:

   ```
   //LOADRODM EXEC PGM=EKGLOTLM,
   //         PARM=('OPERATION=&OPER,LOAD=&LOAD,NAME=&RODMNAME',
   // 'LISTLEVEL=&LISTL,SEVERITY=&SEVERITY,ROUTECODE=&ROUTECDE')
   ```

   As a result of the addition of the ROUTECODE parameter, you also need to update the JCL procedure EKGLLOAD to specify &ROUTECDE when calling EKGLOADP.
4. If you are using the RODM component and are migrating from a previous release, remove the following statement from the STEPLIB data set concatenation:

   ```
   //STEPLIB  DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   ```

5. Add the following DD statement to the STEPLIB data set concatenation:

   ```
   //STEPLIB  DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

6. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```

   to

   ```
   //EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

7. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGIN2  DD DSN=&SQ1..SEKGCAS1,DISP=SHR
   ```

   to

   ```
   //EKGIN2  DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

EKGSI101

EKGSI101 is used for allocating the RODM log and checkpoint databases. This sample is used by sample job CNMSJ004.

If you allocated RODM checkpoint data sets for fewer than the maximum number of windows supported by RODM and the estimated number of objects that you expect to store in the RODM data cache exceeds the previous maximum supported number (approximately 524,000 objects), consider increasing the size of the RODM checkpoint databases.

EKGXRODM

EKGXRODM is the RODM start procedure.

Make the following changes to EKGXRODM:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. Add the following ROUTECDE parameter after the SUBSYM parameter:

```
//        SUBSYM=*SUBSYM,         ** SYMBOL SUBSTITUTION OPTION
//        ROUTECDE=1              ** ROUTE CODE FOR WTO/WTOR
```

4. Add the &ROUTECDE variable to the START EXEC statement, as shown:

```
//START    EXEC PGM=EKGTC000,REGION=0K,TIME=1440,
// PARM='&TYPE,&NAME,&INIT,&CLRSSB,&CUST,&ARM,&SUBSYM,&ROUTECDE'
```

5. If you are using the RODM component and are migrating from a previous release, replace the following statements in the STEPLIB data set concatenation:

```
//         DD DSN=&SQ1..SEKGMOD1,DISP=SHR
//         DD DSN=&SQ1..SEKGMOD2,DISP=SHR
```

   with

```
//         DD DSN=&SQ1..CNMLINK,DISP=SHR
```

6. The EKGCUST DD statement has changed to include a user DSIPARM data set:

```
//EKGCUST  DD DSN=&Q1..CNM01.DSIPARM,DISP=SHR
//         DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

7. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
```

   to

```
//EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

8. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//EKGIN1  DD DSN=&SQ1..SEKGSMP1(EKGIN1),DISP=SHR
```

   to

```
//EKGIN1  DD DSN=&SQ1..CNMSAMP(EKGIN1),DISP=SHR
```

9. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//EKGIN2  DD DSN=&SQ1..SEKGCAS1,DISP=SHR
```

   to

```
//EKGIN2  DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

10. If you have not installed the Language Environment for OS/390 runtime library in LNKLST*xx* or PROG*xx*, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ runtime libraries because these libraries are no longer being used.

GMFHS Address Space

The samples in this section list changes for the GMFHS address space.

CNMGMFHS (CNMSJH10)

CNMGMFHS (CNMSJH10) is the GMFHS start procedure.

Make the following changes to CNMGMFHS:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. The region size has been increased to 64 Mb. Update the following item in the PROC statement:

   ```
   //            REG=64M,
   ```

4. Add the following ROUTECDE parameter after the SUBSYM parameter in the PROC statement:

   ```
   //            SUBSYM=*SUBSYM, ** SYMBOL SUBSTITUTION
   //            ROUTECDE=1    ** ROUTE CODE FOR ALL WTO'S
   ```

5. Add the &ROUTECDE variable to the STEP1 EXEC statement, as shown:

   ```
   //STEP1    EXEC PGM=&PROG,REGION=&REG,TIME=1440,
   // PARM='&AGGRST,RESWS=&RESWS,DOMAIN=&DOMAIN,ARM=&ARM,SUBSYM=&SUBSYM,  *
   //             ROUTECDE=&ROUTECDE'
   ```

6. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //STEPLIB  DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   ```

   to

   ```
   //STEPLIB  DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

7. Add the following GMFHS output DD statement:

   ```
   //CNMN     DD SYSOUT=A
   ```

8. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```

   to

   ```
   //EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

CNMSJH12

CNMSJH12 is the sample GMFHS/SNA Topology Manager data model load job. Because of the number of changes, use the new sample job.

DUIGINIT

DUIGINIT is the initialization member for GMFHS. It contains the initialization statements for the GMFHS host main task. These statements are system-controlling constants that are read when GMFHS is initialized. You can use symbols in DUIGINIT if symbolic substitution is enabled on your system. Ensure that the symbols are defined in member IEASYMxx of SYS1.PARMLIB.

The DOMAIN statement has been commented out in the default DUIGINIT member. The preferred approach is to use the DOMAIN symbolic variable in the GMFHS start procedure (CNMGMFHS). If the default values that are provided in the NetView-supplied DUIGINIT member are acceptable for your environment, consider using the default DUIGINIT member.

If you are not using the default DUIGINIT member, make the following updates to your existing DUIGINIT member:

1. To enable GMFHS to send Japanese text to a NetView management console for display, add the following DUIGINIT parameter:

   ```
   JAPANESE=ON
   ```

2. Use the TASK statement to specify which GMFHS tasks to trace, when tracing is enabled. RCMGR is a new value for the TASK statement to enable tracing for the RODM Collection Manager task.
3. The value for the RODMNAME parameter has been modified to use the &CNMRODM system symbolic variable:

   ```
   RODMNAME = &CNMRODM
   ```

4. Add the following statement:

   ```
   LCON-MAX-QUEUE-RCMGR=10000
   ```

Event/Automation Service Address Space

The sample in this section lists changes for the Event/Automation Service address space.

IHSAEVNT

IHSAEVNT starts the Event/Automation Service address space. Make the following changes to IHSAEVNT in your PROCLIB:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. Remove the DD statement for the C/C++ runtime library because this library is no longer used.
3. Add the following ROUTECDE parameter after the OUTSIZE parameter on the PROC statement:

   ```
   //             ROUTECDE=1,    ** ROUTE CODE FOR ALL WTO'S
   ```

4. Add the following &ROUTECDE variable after the &OUTSIZE variable:

   ```
   INITFILE=&INITFILE OUTSIZE=&OUTSIZE ROUTECDE=&ROUTECDE
   ```

Additional Considerations

Consider changes to the following functions:

- BROWSE Facility
- UNIX system services
- System symbolic variables
- Data REXX
- IPv6 Support

BROWSE Facility

A new DEFAULTS setting called LBHOURLY controls whether the hourly-statistics messages CNM154I, CNM155I, and CNM156I are posted to the network log. In previous releases, these hourly statistics messages were posted to the network log automatically, without an option to prevent them from being posted. The default setting for LBHOURLY is NO, as set by the DEFAULTS.LBHOURLY statement in CNMSTYLE. To continue receiving these hourly statistcs messages in the network log, add a DEFAULTS.LBHOURLY statement to CNMSTUSR or C*xx*STGEN and set its value to YES.

UNIX System Services

The following section describes the directories, configuration files, and functions that have changed from NetView V1R3 to NetView V5R3. Also review the section in “Preparing UNIX System Services” on page 15.

The NetView MIB collection has moved from the /usr/lpp/netview/mibs/ directory to the /usr/lpp/netview/v5r3/mibs/ directory.

The following configuration files found in NetView V1R3 are no longer used in NetView V5R3:
- /etc/netview/fkxcm [1]
- /etc/netview/ipdiscovery.conf
- /etc/netview/nv390mibs.def
- /etc/netview/nv390srvc.conf
- /etc/netview/snmp.conf

The following functions are no longer available on USS for NetView V5R3:
- The TCP/IP discovery sample which previously ran on z/OS and OS/390 in USS. [2]
- SNMPSRVC [3]
- POLLSRVC [3]
- MIBSRVC [3]
- LOADMIB [3]

Notes:

1. Copy any non-duplicate community names from fkxcm into DSIPARM member CNMSCM.
2. This sample is available for downloading from the NetView for z/OS Web page (http://www.ibm.com/software/tivoli/products/netview-zos/). It is replaced in the product by the TCP/IP discovery function for Linux on zSeries®.
3. These services are available through the SNMP server which is shipped as a feature of the NetView Web application.

Use of Symbolic Variables in Parameter Files

The NetView program uses the following system variables from SYS1.PARMLIB in parameter files CNMSTYLE , DUIGINIT, and FLBSYSD:

Table 19. Symbolic Variable Usage by Initialization Members

Member	Task	TCP/IP NAME	RODM NAME	NETID
		&CNMTCPN	&CNMRODM	&CNMNETID
CNMSTYLE	NetView initialization	X	X	X
DUIGINIT	GMFHS (Graphics)		X	
FLBSYSD	SNA Topology manager		X	

&DOMAIN is an additional NetView user symbolic variable and is used in the following parameter files:
- CNMSCBET
- CNMSMRT1
- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTUSR
- CNMSTYLE
- DSIAMIAT
- DSIAMII

- DSITBL01
- DSIVPARM
- FKXWHTML
- FLBSYSD

Use of Data REXX in Parameter Files

Data REXX allows for REXX-style logic to be coded in NetView data set members. For example, Data REXX allows conditional inclusion of files and the assignment of values to parameters based on settings in CNMSTYLE. Data REXX is used in many initialization members. For more information on Data REXX, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*.

IPv6 Support

By default, the NetView program supports both IPv4 and IPv6 addressing. However, you can limit the NetView program to one addressing family using the IPv6Env environment statement in CNMSTYLE. For information about the IPv6Env statement, see the *IBM Tivoli NetView for z/OS Administration Reference*. See also Appendix G, "Differences Between IPv4 and IPv6 Addresses," on page 205 for more information.

Chapter 4. Migrating from Tivoli NetView for OS/390 Version 1 Release 4

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from the Tivoli NetView for OS/390 Version 1 Release 4. The migration information is based on the NetView components as shipped with the initial release of V1R4. You can either add the V5R3 content into your V1R4 NetView definitions, or add your V1R4 customization to the default V5R3 members supplied with the NetView program. Either way, place the customized member into an appropriate user-allocated data set such as NETVIEW.V5R3USER.CNM01.DSIPARM. Do not customize members in the SMP/E-managed data sets such as NETVIEW.V5R3M0.DSIPARM.

> **Note:** Additional migration information has been added to this chapter that relates
> to APAR OA22729.

Several factors can influence the method you use when migrating your NetView definition members. Factors such as the size and complexity of your network, security policies that must be followed, and established practices within your business can all influence what is the best method for your migration. The checklist that follows details the documented method of migration as outlined in this book and supported by other books in the NetView library. Choose the method of migration that is best for you.

Perform the following steps to migrate your V1R4 definitions:

1. Allocate a new set of V5R3 user data sets by running sample job CNMSJ002. You needed to have done this when you completed the steps in Table 11 on page 16.
2. Run sample job CNMSJMIG to convert your V1R4 DSIPARM members to the new CNMSTYLE format. See Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197 for more details.
3. Run sample job CNMSJMIG to convert your V1R4 DSICMD member to the new CNMCMD format. See Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197 for more details.
4. Define a unique &NV2I value (*xx*) for each NetView domain.
5. Move any domain-specific statements from the DSIPARM member CNMSTUSR that was created by CNMSJMIG into C*xx*STGEN, where *xx* is the value of the local symbolic variable &NV2I that you defined in the previous step.
6. Review your customized V1R4 copy of CNMSTYLE. Move all of your domain-specific customization of your V1R4 CNMSTYLE into C*xx*STGEN and all of your system-wide customization of your V1R4 CNMSTYLE into CNMSTUSR, noting that some of these changes might have already been added by CNMSJMIG. Do not copy your V1R4 CNMSTYLE member into the V5R3 user DSIPARM data set.
7. Review the CNMSTYLE information in this chapter and the V5R3 CNMSTNXT member shipped with the NetView program. Place any domain-specific customization of CNMSTYLE into C*xx*STGEN and any system-wide customization of CNMSTYLE into CNMSTUSR. Do not modify the V5R3 default CNMSTYLE member.

8. Review the remaining information in this chapter, and migrate your V1R4 NetView definition members and JCL procedures as appropriate, placing only those members that have been modified into the V5R3 user data sets.

Figure 7 shows the initialization flow for NetView V1R4, and Figure 8 shows the NetView V5R3 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

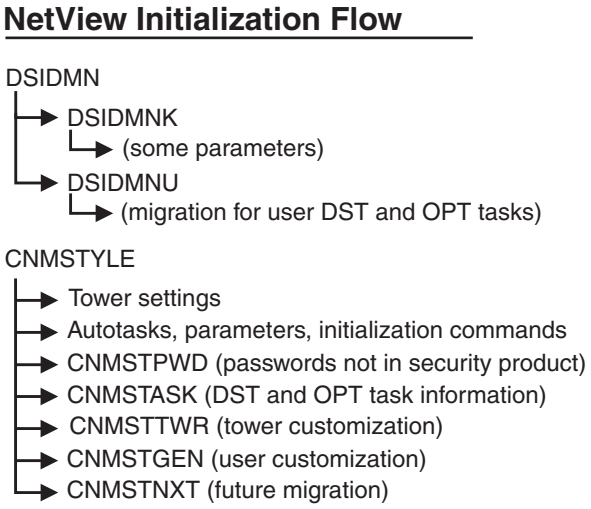


Figure 7. NetView V1R4 Initialization Flow

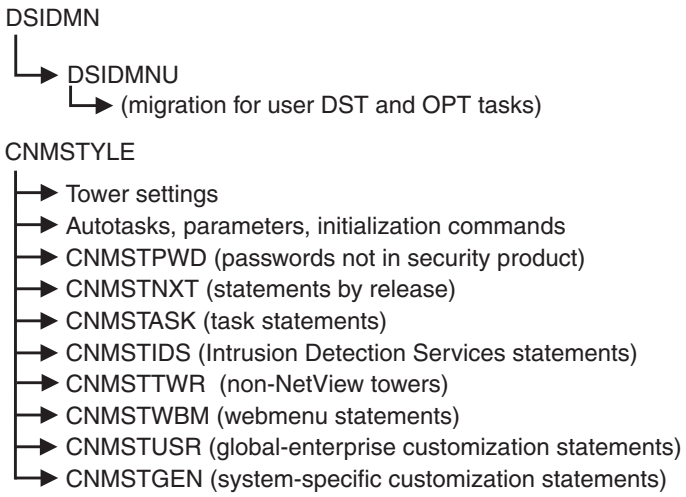


Figure 8. NetView V5R3 Initialization Flow

When you finish with this chapter, continue with Chapter 7, "Getting Ready to Start NetView," on page 117.

If you want information about...	Refer to...
Changes including panels, commands, messages, and samples	• Appendix B, "Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for z/OS Version 5 Release 1," on page 167 • Appendix C, "Changes from Tivoli NetView for z/OS Version 5 Release 1 to Tivoli NetView for z/OS Version 5 Release 2," on page 181 • Appendix D, "Changes from Tivoli NetView for z/OS Version 5 Release 2 to Tivoli NetView for z/OS Version 5 Release 3," on page 189

New Samples

Table 20 lists new samples to review during migration.

Table 20. List of New Samples

Distributed As	Name	Description	Data Set Name
CNMCMD	same	NetView command definitions for NetView commands The CMDDEF statements provide the definitions for the commands. Some of the CMDDEF statements have command synonyms (CMDSYN). These statements provide a synonym for the command. This definition also provides the cross-domain logon definitions and the CMDDEF statements (and synonyms) for the terminal access facility (TAF) and the VTAM program. Files with names that begin with CNMS6 are included in NETVIEW.V5R3M0.CNMSAMP. Include these files in CNMCMD so that you can use the automation command lists that are also included on the distribution tape.	DSIPARM
CNMCMDO	same	Command definitions for product-specific defined commands	DSIPARM
CNMCMDU	same	Command definitions for user-defined commands	DSIPARM
CNMCMENT	same	NetView command definitions	DSIPARM
CNMCMSYS	same	NetView command definitions	DSIPARM
CNMIPMGT	same	Automation policy for NetView IP management	DSIPARM
CNMPOLCY	same	Automation policy for NetView	DSIPARM
CNMSAF2	same	Sets RACF definitions for NetView operators and commands	CNMSAMP
CNMSBAK1	same	Backup command authorization table	DSIPARM

Table 20. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
CNMSCAT2	same	Sample command authorization table	DSIPARM
CNMSCBEA	same	Automation sample that shows how to use the CBE automation table action to produce common base event XML documents	DSIPARM
CNMSCBET	same	Template file for defining Common Base Event XML elements	DSIPARM
CNMSCM	same	SNMP community names for TCP/IP stacks	DSIPARM
CNMSDVIP	same	This sample displays the DVIPA definition and status data. It formats the DVIPSTAT command output (BNH846I message) into a user-friendly format.	CNMSAMP
CNMSDVPC	same	This sample displays the DVIPA connection data. It formats the DVIPCONN command output (BNH849I message) into a user-friendly format.	CNMSAMP
CNMSEMAA	same	Automation table member for the NetView for z/OS Enterprise Management Agent	DSIPARM
CNMSEPTL	same	Automation table sample for resource discovery	DSIPARM
CNMSJCRG	same	CNMSTYLE report generator sample job	CNMSAMP
CNMSJEMA	same	Allocates and copies a user INSTLIB data set used for starting the configuration tool for the NetView for z/OS Enterprise Management Agent	CNMSAMP
CNMSJKVW	same	Sample job to copy members from the SCNMAGNT data set to the z/OS Tivoli Enterprise Monitoring Server RKANDATV data set	CNMSAMP
CNMSJMIG	same	CNMSTYLE migration tool sample job	CNMSAMP
CNMSJZCE	same	Sample start job for the event correlation engine	CNMSAMP
CNMSMRT1	same	Message revision table	DSIPARM
CNMSPAN2	same	Sample NetView span table	DSIPARM
CNMSPLEX	same	This sample displays the DVIPA sysplex distributor data. It formats the DVIPPLEX command output (BNH847I message) into a user-friendly format.	CNMSAMP
CNMSSTAC	same	This sample displays the TCP/IP stack configuration and status data. It formats the STACSTAT command output (BNH845I message) into a user-friendly format.	CNMSAMP
CNMSTARG	same	This sample displays the DVIPA distributor target and DVIPA workload by port data. It formats the DVIPTARG command output (BNH848I and BNH850I messages) into a user-friendly format.	CNMSAMP
CNMSTIDS	same	Includes Intrusion Detection Services (IDS) initialization statements.	DSIPARM

Table 20. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
CNMSTUSR	same	Customization member for CNMSTYLE: include additional or modified global (enterprise) definition statements that override statements in CNMSTYLE.	DSIPARM
CNMSTWBM	same	Includes Web browser portfolio definitions	DSIPARM
DSIAUTB	same	Part list for usage of the AUTBYPAS REXX or CLIST function	DSIPARM
DSIAUTBU	same	User defined part list for AUTBYPAS REXX or CLIST function	DSIPARM
DSIPROFG	same	Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.	DSIPRF
DSIPROFN	same	Automated operator profile for the NetView for z/OS Enterprise Management Agent data collection autotasks (AUTODC*n*)	DSIPRF
DSIW3PRF	same	Properties definitions for 3270 Web sessions	DSIPARM
DSIZCETB	same	Automation table sample for the event correlation engine	DSIPARM
EZLCMENT	same	NetView command definitions for base AON commands	DSIPARM
FKVCMENT	same	NetView command definitions for AON/SNA commands	DSIPARM
FKXCMENT	same	NetView command definitions for AON/TCP commands	DSIPARM
FKXIPMTB	same	Configuration data for NetView IP management automation	DSIPARM
FKXOPFIP	same	Operator definitions for NetView IP management automation	DSIPARM
FKXSCM	same	Defines community names for IP resources to AON/TCP for active monitoring and commands	DSIPARM
FLCAINP	same	Sample initialization file This file can be used as a template when creating the MultiSystem Manager initialization file (or files) for your site. If you rename this file, specify that file name when issuing the INITTOPO command. FLCAINP contains an example of how to use the %INCLUDE statement to include other MultiSystem Manager initialization files.	DSIPARM

VTAM Address Space

The samples in this section list changes for the VTAM address space.

A01APPLS (CNMS0013)

This member contains the application (APPL) major nodes coded for the NetView program.

If you did not reallocate and recopy the VTAMLST data sets, make the following changes to A01APPLS:

- Either set the domain ID (system variable &CNMDOMN) in SYS1.PARMLIB member IEASYM*xx* or change *every* occurrence of &CNMDOMN. in A01APPLS (CNMS0013) to the current domain ID.
- If you are not using the status monitor preprocessor, you can replace the APPL statements defining tasks for multiple concurrent NetView operators with one APPL statement using wildcard characters (??), for example:

```
&CNMDOMN.0?? APPL  AUTH=(NVPACE,SPO,ACQ,PASS),PRTCT=&CNMDOMN.,     X
               EAS=4,MODETAB=AMODETAB,DLOGMOD=DSILGMOD
```

- If you are not using the status monitor preprocessor, you can replace the TAF APPL statements with one APPL statement using wildcard characters (??) following the LU name, for example:

```
TAF010?? APPL  MODETAB=AMODETAB,EAS=9,       X
               DLOGMOD=M3767
```

APPL names defined for use by other applications (such as TAF) must not be defined with the same naming scheme as terminal logon APPLs (for example, the domain name followed by a 3-character suffix). Doing so can cause these application names to be used by the NetView program for terminal logons, which can make the application names unavailable for the purpose for which they were defined.

CNMNET (CNMSJ008)

CNMNET (CNMSJ008) is the start procedure for the VTAM program.

Change CNMNET in your PROCLIB in the following way:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.

NetView Address Space

The samples in this section list changes for the NetView address space.

AAUPRMLP

AAUPRMLP is a member of DSIPARM that contains initialization statements for the session monitor. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of AAUPRMLP, and update the NLDM statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in AAUPRMLP. Do not modify the shipped version of AAUPRMLP.

BNJMBDST

If you made changes to BNJMBDST (hardware monitor initialization member), migrate the changes to DSIPARM member CNMSTYLE (or its included members such as CNMSTUSR or C*xx*STGEN). Most BNJMBDST statements have associated statements in CNMSTYLE (for example, NPDA.DSRBO or NPDA.ALERTFWD).

BNJMBDST statements that apply to DST members (for example XITCI) have no associated CNMSTYLE statements. In this case, add these statements to the Data REXX version of BNJMBDST. Make sure that you enclose the statements in quotation marks so that the REXX program can return them as NetView data lines rather than interpreting them as REXX statements.

CNMIPMGT

DSIPARM member CNMIPMGT is a new sample that contains IP management policy definitions. It is included by the CNMPOLCY member. This sample was added with APAR OA22729.

CNMPROC (CNMSJ009)

CNMPROC (CNMSJ009) is the start procedure for the NetView program.

Make the following changes to CNMPROC in your PROCLIB:

1. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
2. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
3. Because the AON VSAM data sets have increased in size, reallocate them during migration. For more information on allocating VSAM data sets, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*. Also note that the VSAM cluster name prefixes have changed to NETVIEW.&*domain*.
4. The default region size is increased to 65536 K. If you are using the existing default region size (32768 K) for the NetView product, increase the region size value:

   ```
   //       REG=65536,            ** REGION SIZE(IN K) FOR NETVIEW
   ```

   Depending on the components you are running, you might want to increase the region size even more. For additional information, refer to the *IBM Tivoli NetView for z/OS Tuning Guide*.
5. Add the following REXX statement after the SQ1 statement to specify the high level qualifier of your REXX libraries:

   ```
   //       REXX='EAG.V1R4M0',    ** REXX DSN HIGH LEVEL QUALIFIER
   ```
6. Add the following TRSIZE statement and comments after the NV2I statement to allow the specification of the trace table size:

   ```
   //       NV2I='',
   //       TRSIZE=4000
   //*                            ** INTERNAL TRACE TABLE SIZE - Number
   //*                            ** of pages to be allocated for the
   //*                            ** NetView Internal Trace table. The
   //*                            ** trace table is located in a data
   //*                            ** space, so the value can be up to
   //*                            ** 524286. If no value is specified,
   //*                            ** the default of 4000 is used. If
   //*                            ** a value of 0 is passed, internal
   //*                            ** trace is not started early. Trace
   //*                            ** options in CNMSTYLE take effect
   //*                            ** even if trace is not started early.
   //*
   ```
7. Add the &TRSIZE variables to the NetView EXEC statement, as shown:

```
//NETVIEW  EXEC PGM=&PROG,TIME=1440,
//         REGION=&REG.K,
//         PARM=(&BFSZ.K,&SLSZ,
//           '&DOMAIN','&DOMAINPW','&ARM','&SUBSYM','&NV2I','&TRSIZE'),
//         DPRTY=(13,13)
//         DPRTY=(13,13)
```

8. Remove the following DD statement from the STEPLIB concatenation:

```
//         DD   DSN=&SQ1..SEKGMOD1,DISP=SHR
```

9. Change the following DD statement in the STEPLIB concatenation (change SEAGLMD to SEAGLPA):

```
//* YOU WILL NEED ACCESS TO EITHER THE REXX/370 RUNTIME LIBRARY
//* OR THE REXX ALTERNATE LIBRARY AS FOLLOWS:
//*
//* - IF YOU HAVE THE REXX/370 LIBRARY ON YOUR SYSTEM BUT SEAGLPA
//*   IS NOT ACCESSIBLE FROM THE PAGEABLE LINK PACK AREA (PLPA),
//*   THEN YOU MUST UNCOMMENT THE "SEAGLPA" LINE BELOW.
//*
//*    OR
//*
//* - IF YOU HAVE THE REXX ALTERNATE LIBRARY ON YOUR SYSTEM,
//*   BUT SEAGALT IS NOT ACCESSIBLE FROM THE PLPA OR LINKLST,
//*   THEN YOU MUST UNCOMMENT THE "SEAGALT" LINE BELOW.
//*
//* WHEN YOU UNCOMMENT EITHER OF THE LINES BELOW, MAKE SURE
//* THAT THE DSN ACTUALLY MATCHES THE NAME ON YOUR SYSTEM.
//* IN ADDITION, MAKE SURE THAT THE DATASET IS APF-AUTHORIZED.
//*
//*        DD   DSN=&REXX..SEAGLPA,DISP=SHR
//*        DD   DSN=&REXX..SEAGALT,DISP=SHR
```

Note: Either the REXX/370 runtime library or the REXX alternate library is required.

10. Remove the following statements from the STEPLIB concatenation:

```
//        DD   DSN=&SQ1..SEZLLINK,DISP=SHR
```

11. If you plan to run Language Environment (LE) HLL programs with the NetView program, and did not install the LE runtime library in the LNKLSTxx, be sure the library name in the STEPLIB of CNMPROC is correct and uncommented.

12. Update the DSICLD DD statement to add the following user data set:

```
//DSICLD   DD   DSN=&Q1..&DOMAIN..CNMCLST,DISP=SHR
//         DD   DSN=&SQ1..CNMCLST,DISP=SHR
//         DD   DSN=&SQ1..CNMSAMP,DISP=SHR
```

Remove the following DD statements from the DSICLD concatenation:

```
//         DD   DSN=&SQ1..SEZLCLST,DISP=SHR
```

13. Remove the following statements from the CNMPNL1 concatenation:

```
//         DD   DSN=&SQ1..SEKGPNL1,DISP=SHR
//* COMMENT THE FOLLOWING LINE OUT IF YOU WILL NOT BE USING AON INFORM
//* POLICY, TIMER COMMAND, CGED COMMAND OR DM COMMAND.
//         DD   DSN=&Q1..&DOMAIN..SEZLPNLU,DISP=SHR
//         DD   DSN=&SQ1..SEZLPNLU,DISP=SHR
:
//* UNCOMMENT THE SEKGPNL2 DEFINITION STATEMENT FOR A JAPANESE
//* SYSTEM WITH RODM
//*         DD   DSN=&SQ1..SEKGPNL2,DISP=SHR
```

Update the CNMPNL1 concatenation in the following way:

```
//CNMPNL1  DD   DSN=&Q1..&DOMAIN..CNMPNL1,DISP=SHR
//* JAPANESE ONLINE HELP DATASET (PANELS)
//*        DD   DSN=&SQ1..SCNMPNL2,DISP=SHR
//* ENGLISH ONLINE HELP DATASET (PANELS)
//         DD   DSN=&SQ1..CNMPNL1,DISP=SHR
```

14. Add the following TCP connection VSAM databases:

```
//DSITCONP DD   DSN=&VQ1..&DOMAIN..DSITCONP,
//         DISP=SHR,AMP='AMORG'
//DSITCONS DD   DSN=&VQ1..&DOMAIN..DSITCONS,
//         DISP=SHR,AMP='AMORG'
```

15. Update the EZLSTAT DD statement::

```
//*EZLSTAT  DD   DSN=&VQ1..&DOMAIN..STATS,
//*         DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
```

16. Update the EZLPSWD DD statement:

```
//*EZLPSWD  DD   DSN=&VQ1..&DOMAIN..PASSWORD,
//*         DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
```

17. Update the AON log DD statements:

```
//*EZLLOGP  DD   DSN=&VQ1..&DOMAIN..LOGP,
//*         DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
//*EZLLOGS  DD   DSN=&VQ1..&DOMAIN..LOGS,
//*         DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
```

18. Add the following TCP/IP translate data set information and update the statement as needed for your installation:

```
//*
//*****************************************************************
//* If you are using the TCP/IP translate data set TCPXLBIN,
//* specify the appropriate data set name and uncomment the
//* following DD statement to prevent dynamic allocation
//* messages from being issued each time the data set is needed.
//*
//*CNMXLBIN  DD  DISP=SHR,DSN=datasetprefix.STANDARD.TCPXLBIN
//*
//* For more information please see your IP Configuration Guide.
```

CNMPSSI (CNMSJ010)

CNMPSSI (CNMSJ010) starts the NetView subsystem address space.

Make the following changes to CNMPSSI in your PROCLIB:

1. Ensure that the high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. The default value for MSGIFAC has changed from SYSTEM to SSIEXT. Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values are not supported.

```
//       MSGIFAC='SSIEXT',    ** SSI/EXTENDED CONSOLE OVERRIDE SWITCH
```

3. Add the following statements after the P4000BUF parameter to set the route code. If you add these statements, add a comma after the P4000BUF=0 statement.

```
//       ROUTECDE=1           ** Route code to be used for WTOs issued
//*                           **  by the SSI address space.  Messages
//*                           **  that may be issued before this parm
//*                           **  is processed will use route code 1
//*                           **  regardless of the value set here.
```

4. Add the &ROUTECDE variable to the NetView EXEC statement, as shown:

```
//NETVIEW  EXEC PGM=&PROG,TIME=1440,REGION=&REG.K,
//         PARM=(&MBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
//          '&PFXREG',&P256BUF,&P4000BUF,&ROUTECDE),DPRTY=(13,13)
```

CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN instead of modifying individual samples as in prior releases of the NetView product. CNMSTYLE is designed to simplify the NetView initialization process.

You can use sample CNMSJMIG in data set NETVIEW.V5R3USER.INSTALL to migrate initialization members from prior releases (including CNME1034 and some DSIPARM members) to CNMSTUSR. For more information, see Appendix F, "Migrating to CNMSTYLE and CNMCMD," on page 197.

| The Multisystem Manager NetFinity (NTF) subtower has been removed.

> If you applied the PTF for APAR OA22729, the IPMGT (for IP management) tower
> was added to the TOWER statement.

The CNMSTYLE and dependent members replace some of the definition statements in DSIPARM and all the initialization performed by CNME1034.

Table 21. CNMSTYLE Statement Relationship to Older DSIPARM Statements

CNMSTYLE Statement	DSIPARM Statement or Command	NetView Member
DB2SEC=RRS	DB2RRS	DSIDMNK
DEFAULTS.*	DEFAULTS	CNME1034
FLC_DEF_NETW_VIEW	DEF_NETW_VIEW	FLCSAINP
FLC_EXCEPTION_VIEW_FILE	EXCEPTION_VIEW_FILE	FLCSAINP
FLC_RODMINT	RODMINT	FLCSAINP
FLC_RODMNAME	RODMNAME	FLCSAINP
FLC_RODMRETRY	RODMRETRY	FLCSAINP
FLC_RUNCMDRETRY	RUNCMDRETRY	FLCSAINP
FLC_TCPNAME	TCPNAME	FLCSAINP
FLC_TN3270_FILE	TN3270_FILE	FLCSAINP
GHB.TCPANAME	TCPANAME	DUIIGHB
IPLOG	*parameters*	DSIILGCF
LOADEXIT	LOADEXIT	DSIDMNK
LUC.*	*parameters*	DSILUCTD
MCON.*	*parameters*	DSITCPCF
MSMdefault	DEF_AUTOTASK	FLCSAINP
MVSPARM.*	MVSPARM	DSIDMNK
NLDM.*	*parameters*	• AAUPRMLP • DSIAMLTD
NPDA.ALERTFWD	ALERTFWD	DSIDMNK
REXEC	*parameters*	DSIREXCF
RRD	RRD	DSIDMNK
RSH	*parameters*	DSIRSHCF
RTT.*	*parameters*	DSIRTTTD

Table 21. CNMSTYLE Statement Relationship to Older DSIPARM Statements (continued)

CNMSTYLE Statement	DSIPARM Statement or Command	NetView Member
SECOPTS.*	OPTIONS	DSIDMNK
TAMEL.*	*parameters*	DUIFPMEM
transTbl	TRANSTBL	DSIDMNK
VTAMCP.USE	VTAMCP	DSIDMNK
WEB.*	*parameters*	DSIWBMEM

CNMSTYLE contains descriptive comments about the types of statements that are included. Read the comments and review the defaults.

The following defaults changed:

Table 22. CNMSTYLE statements

Default	Prior default	Current default
NCCF Trace **Note:** If you notice a significant increase in processor utilization during initialization, you might want to change the TRACE options or start the trace after NetView initialization is complete.	Off	On, MODE=INT
LOGONPW	CMDMDL commented out	CMDDEF enabled
ASSIGN	STATGRP specifies: • NETOP1 • NETOP2	STATGRP specifies: • NETOP1 • NETOP2 • AUTO1 OPERGRP specifies: • OPER1 • OPER2 • OPER3 • OPER4 • OPER5 • OPER6

Table 22. CNMSTYLE statements (continued)

Default	Prior default	Current default
MEMSTOR	Commented out in CNME1034	Enabled
	No predefined include or exclude lists	Predefined include list: • CNMPNL1.CNMKWIND • CNMPNL1.CNMBROWS • DSIOPEN.CNMKEYS • DSICLD.CNME1505 • DSICLD.CNME1096 If the DVIPA tower is enabled: • DSICLD.FKXEDVPT • DSICLD.FKXEDVPA • DSICLD.FKXEDVP1 • DSICLD.FKXEDVP2 • DSICLD.FKXEDVP3 • DSICLD.FKXEXLAT Predefined exclude list: • DSIPARM.DSIOPF • DSIPARM.DSIOPFU • DSILIST.* • *.USERMEM
MVSPARM.MSGIFAC	SYSTEM	SSIEXT The default value for MSGIFAC is SSIEXT. Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values are not supported.
HLLENV	Commented out in CNME1034	Initializes two environments each for PL/I and C in CNMSTYLE.
HLLENV keywords	PHEAP=4096	PHEAP=131072
	PSTACK=4096	PSTACK=131072
DEFAULTS command keywords	CMD=HIGH	CMD=LOW
	STRTSERV=SBMTJOB	STRTSERV=STRTPROC
Tasks started automatically: • &DOMAIN.LUC • &DOMAIN.VMT • AAUTCNMI • AAUTSKLP • BNJDSERV • BNJDSE36 • BNJMNPDA • DSIAMLUT • DSIATOPT • DSICRTR • DSIGDS • DSIKREM • DSIQTSK • DSIROVS • DSITRACE	CNME1034 included a STARTCNM ALL command that started these tasks.	CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.

Note: For the SECOPTS.CMDAUTH statement, the NetView program supports the SCOPE option in migration mode only. If you currently use scope of commands security definitions (CMDCLASS, KEYCLASS, VALCLASS statements in DSICMD, with matching OPCLASS statements), you can convert them into equivalent command authorization table statements using the SECMIGR command. If you initialize the NetView program using the SCOPE option, the SECMIGR command is used to convert existing scope security definitions. The converted table is written to the first DSIPARM data set and is put into effect. Make sure the PPT has authority to write the converted command authorization table to the DSIPARM data set.

CNMSTNXT

CNMSTNXT contains statements that are new or changed. Statements are grouped according to version and release level of the NetView product. Review the statements in CNMSTNXT and update CNMSTUSR or C*xx*STGEN as necessary.

If you want information about...	Refer to...
CNMSTYLE statements	*IBM Tivoli NetView for z/OS Administration Reference*

DSIAMLTD

DSIAMLTD is a member of DSIPARM that contains initialization statements for the session monitor. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIAMLTD, and update the NLDM statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values specified in DSIAMLTD on the system from which you are migrating. Do not modify the DATA REXX version of DSIAMLTD.

DSICCDEF

If you made changes to DSICCDEF, merge your current copy of DSICCDEF with the sample shipped with V5R3. Because z/OS V1R4 is the minimum requirement, the VTAM DISPLAY and MODIFY commands do not need CCDEF support. VTAM provides an affirmative end-of-stream indicator.

DSICMD

The command definition statements in DSICMD have been replaced by new command definitions in member CNMCMD. NetView initialization continues to read DSICMDU for migration purposes. You can use sample CNMSJMIG to migrate member DSICMD to the new CNMCMD format. For more information, see Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197.

If you do not convert your definitions in DSICMDU to the new format before NetView initialization, information contained in DSICMDU is converted and stored in a NetView KEEP under the PPT for 2 hours. During this time, you can use a NetView PIPE command to retrieve these converted command definitions. The following example shows one way of retrieving these definitions for display:

```
/PPT: PIPE KEEP DSICMDU | CONS
```

You can also use a similar PIPE command to write the converted definitions to the CNMCMDU member of DSIPARM.

Note: Data REXX statements in DSICMDU have already been processed and therefore do not exist in the DSICMDU KEEP.

Command definitions in DSICMDU that duplicate command definitions found in either CNMCMSYS or CNMCMENT are overridden by the latter. Command definitions in DSICMDU that duplicate commands in the NetView internal command set are considered to be in error.

To migrate your definitions from DSICMDU, complete the following steps:

1. Start NetView in a test environment and note any DSI234I messages for duplicate command definitions.
2. Retrieve the migrated DSICMDU command definitions from the NetView KEEP and store them in CNMCMDU, for example:

   ```
   /PPT: PIPE KEEP DSICMDU | QSAM (DSN) user.dsiparm(CNMCMDU)
   ```

   where *user.dsiparm* specifies the data set in which to place the migrated command definition statements.

   Note: You can also use sample CNMSJMIG to migrate DSICMDU definitions before you start NetView V5R3.
3. Update the CNMCMDU definitions to change any duplicate command definitions noted during NetView initialization.

Make all changes to command definitions in CNMCMSYS or CNMCMENT using CMDDEF statements in CNMCMDU.

DSICMENT

The DSICMENT member of DSIPARM has been replaced by CNMCMENT. You can remove SEC=BY from some AON command definition statements. For a list of these statements, refer to Appendix E, "AON CMDDEF Statements Not Requiring SEC=BY," on page 193.

DSICMSYS

The DSICMSYS member in the DSIPARM data set was replaced by the CNMCMSYS member.

The CNMCMSYS member does not contain a CMDMDL statement for the CNME1500 command list. As a result, the READYRMT alias (command) is no longer defined. The CNME1500 member is still available.

EZLCMD

The EZLCMD member of DSIPARM has been replaced by EZLCMENT. You can remove SEC=BY from some AON command definition statements. For a list of these statements, refer to Appendix E, "AON CMDDEF Statements Not Requiring SEC=BY," on page 193.

FKXCMD

DSIPARM member FKXCMD has been replaced by FKXCMENT. You can remove SEC=BY from some AON command definition statements. For a list of these statements, refer to Appendix E, "AON CMDDEF Statements Not Requiring SEC=BY," on page 193.

DSICTMOD

DSICTMOD is the NetView constants module that can be updated using sample job CNMS0055. Use the DSICTMOD module shipped with V5R3. If you updated CNMS0055 for your current release, merge those changes into the V5R3 version of CNMS0055, submit it to assemble, and link-edit your changes into the DSICTMOD module.

The default number of common global variables has increased from 300 to 400 variables.

DSIDMN

The parameters set in DSIDMN and its included members have been migrated to CNMSTYLE. If you do not remove existing statements, they are ignored during DSIDMN processing.

Make the following updates to DSIDMN:

1. EXCMDSEC is no longer supported. Review your keyword and value authorizations for the EXCMD command to make sure that you maintain your preferred security. For more information, refer to *IBM Tivoli NetView for z/OS Security Reference*.
2. The default for MSGIFAC on the MVSPARM statement has changed from SYSTEM to SSIEXT and is now specified in CNMSTYLE.

Note: Statements that were in DSIDMNK are now in CNMSTYLE. DSIDMNK has been removed.

DSIILGCF

Member DSIILGCF in DSIPARM defines the initialization values for the IP log. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIILGCF, and update the IPLOG statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIILGCF.

DSILUCTD

DSILUCTD is a member of DSIPARM that contains initialization statements for the CNM data transfer task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSILUCTD, and update the LUC statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values specified in DSILUCTD on the system from which you are migrating.

DSIOPF

Because of extensive changes to DSIOPF, use the V5R3 version of DSIOPF. Data REXX logic has been added to conditionally define operator definitions based on the level of NetView installed, the towers that are enabled by CNMSTYLE and its included members, or both. Ensure that your operator definitions defined in DSIOPFU are included in the V5R3 version of DSIOPFU.

You can also add Data REXX logic to conditionally define operator definitions in DSIOPFU. Data REXX files must have either `/*%DATA*/` or `/*%LOGIC*/` as the first statement. Comments can follow on the same or subsequent lines. A blank in the first column indicates a continuation of the previous statement. For more information on Data REXX, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.

The following information highlights modifications to DSIOPF since NetView V1R4. Consider the following lists of new, changed, and deleted operator definitions as you migrate your operator definitions, especially with regard to security.

Remove the FKWOPF %INCLUDE member.

The following operator definitions have been removed:

```
AUTOATMA      OPERATOR    PASSWORD=AUTOATMA
              PROFILEN    FLCSPRFB
AUTOATM1      OPERATOR    PASSWORD=AUTOATM1
              PROFILEN    FLCSPRFB
AUTOEWA       OPERATOR    PASSWORD=AUTOEWA
              PROFILEN    FLCSPRFB
AUTOEW1       OPERATOR    PASSWORD=AUTOEW1
              PROFILEN    FLCSPRFB
AUTONWA       OPERATOR    PASSWORD=AUTONWA
              PROFILEN    FLCSPRFB
AUTONW1       OPERATOR    PASSWORD=AUTONW1
              PROFILEN    FLCSPRFB
FLBGMMGR      OPERATOR    PASSWORD=FLBGMMGR
              PROFILEN    FLBGMMPR
```

The following operator definitions have changed their profile name from DSIPROFD to DSIPROFG:

```
AUTO2         OPERATOR    PASSWORD=AUTO2
              PROFILEN    DSIPROFG
DBAUTO1       OPERATOR    PASSWORD=DBAUTO1
              PROFILEN    DSIPROFG
DBAUTO2       OPERATOR    PASSWORD=DBAUTO2
              PROFILEN    DSIPROFG
DSIWEB        OPERATOR    PASSWORD=WEBSERV
              PROFILEN    DSIPROFG
DSIMCAOP      OPERATOR    PASSWORD=CMDAUTO
              PROFILEN    DSIPROFG
```

The following operator definitions have been added:

Table 23. Operator Definitions Added to DSIOPF

Operator Definition	DSIOPF Statements
DVIPA polling services autotask	AUTDVIPA OPERATOR PASSWORD=AUTDVIPA PROFILEN DSIPROFC
NetView for z/OS Tivoli Enterprise Portal Agent autotask	AUTONA OPERATOR PASSWORD=AUTONA PROFILEN DSIPROFC NATEP1 OPERATOR PASSWORD=NATEP1 PROFILEN DSIPROFC NATEP2 OPERATOR PASSWORD=NATEP2 PROFILEN DSIPROFC SYSADMIN OPERATOR PASSWORD=SYSADMIN PROFILEN DSIPROFC
Tivoli NetView for z/OS Enterprise Management Agent autotask	AUTONALC OPERATOR PASSWORD=AUTONALC PROFILEN DSIPROFC AUTODC1 OPERATOR PASSWORD=AUTODC1 PROFILEN DSIPROFN AUTODC2 OPERATOR PASSWORD=AUTODC2 PROFILEN DSIPROFN AUTODC3 OPERATOR PASSWORD=AUTODC3 PROFILEN DSIPROFN AUTODC4 OPERATOR PASSWORD=AUTODC4 PROFILEN DSIPROFN AUTODC5 OPERATOR PASSWORD=AUTODC5 PROFILEN DSIPROFN AUTODC6 OPERATOR PASSWORD=AUTODC6 PROFILEN DSIPROFN AUTODC7 OPERATOR PASSWORD=AUTODC7 PROFILEN DSIPROFN
TCP connections	DSIIPCHK OPERATOR PASSWORD=DSIIPCHK PROFILEN DSIPROFC

If you applied the PTF for APAR OA22729, the following statements were added to the DSIOPF member:

- Conditional include for operator definitions for the IP Management tower if the AON tower is not active:

```
%>IF TOWER('IPMGT') & ¬TOWER('AON') THEN
  %INCLUDE FKXOPFIP
```

Additionally, the following operator definition was added:

Table 24. Operator Definition Added to DSIOPF

Operator Definition	DSIOPF Statements		
IP management services (AUTIPMGT) autotask	AUTIPMGT	OPERATOR PROFILEN	PASSWORD=AUTIPMGT DSIPROFC

FKXOPFIP

With APAR OA22729, the FKXOPFIP member is used when the IPGMT tower is enabled. This member is not used if the AON component is enabled. Because of this, operator definitions defined in FKXOPFIP duplicate some of the operator definitions in the EZLOPF and FKXOPF members.

However, the following operator definitions are new:

Table 25. Operator Definitions Added to DSIOPF

Operator Definition	DSIOPF Statements		
IP management services autotasks	AUTIPM*x*	OPERATOR PROFILEN	PASSWORD=AUTIPM*x* EZLPRFAO

DSIREXCF

Member DSIREXCF in DSIPRF defines the initialization values for the REXEC Server. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIREXCF, and update the REXEC statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIREXCF. Do not modify the Data REXX version of DSIREXCF.

DSIRSHCF

Member DSIRSHCF in DSIPRF defines the initialization values for the RSH Server. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIRSHCF, and update the RSH statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIRSHCF. Do not modify the Data REXX version of DSIRSHCF.

DSIRTTTD

DSIRTTTD is a member of DSIPARM that contains initialization statements for the TCP/IP alert receiver. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIRTTTD, and update the RTT statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIRTTTD. Do not modify the Data REXX version of DSIRTTTD.

DSIRXPRM

DSIRXPRM contains the REXX initialization parameters required to establish a new REXX environment. Update DSIRXPRM using sample job CNMSJM11. Use the

V5R3 version of DSIRXPRM. If you updated CNMSJM11 for your current release, merge those changes into the V5R3 version of CNMSJM11 and run it to assemble and link-edit your changes into the DSIRXPRM module.

DSISPN

DSISPN is now obsolete.

The NetView program provides a migration tool called SECMIGR that converts any existing VTAMLST and DSISPN definitions into entries in the NetView span table. SECMIGR creates the span table, converts your existing span of control definitions into span table statements, and loads them into the span table. When you are ready to initialize the NetView program, load the NetView span table by specifying its name on the SECOPTS.SPANAUTH statement in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN. For an example span table, refer to sample CNMSPAN2.

DSITBL01

DSITBL01 contains sample automation table definitions. Some %INCLUDE statements and associated statements to start automation have been replaced by entries in CNMSTYLE. If you have modified DSITBL01, merge your changes with the version of DSITBL01 that is shipped with this NetView release. After making changes, renumber the NetView automation table. When the NetView automation table processes a message and finds a match that results in a command or command list being run, it writes NetView message CNM493I to the NetView log file. Message CNM493I contains the line number of the automation table entry matched.

Several NetView-supplied messages have changed with the V5R3 program. These messages are listed in the appendices. Review the list and make any necessary changes to your automation table.

If your primary automation table name is not DSITBL01, update CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to include an AUTOCMD statement for your automation table. For more information on the AUTOCMD statement, refer to the *IBM Tivoli NetView for z/OS Administration Reference*.

DSITCPCF

Member DSITCPCF in DSIPARM defines the initialization values for the task DSITCPIP. These values are used in communicating between TCP/IP and the NetView 3270 management console. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSITCPCF, and update the MCON statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSITCPCF. Do not modify the Data REXX version of DSITCPCF.

DSITCPRF

Member DSITCPRF in DSIPRF defines TCP/IP operator security profiles. The WEB_SERVER statement has been added to define the encryption keys for HTTP server sessions:

```
WEB_SERVER: default default
```

DSIWBMEM

Member DSIWBMEM in DSIPARM defines the initialization values for the Web server. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DSIWBMEM, and update the WEB statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DSIWBMEM. Do not modify the Data REXX version of DSIWBMEM.

DSIZVLSR

DSIZVLSR defines the buffer pools to be used with the VSAM LSR and DSR performance options. Update DSIZVLSR by using sample job CNMSJM01. Use the DSIZVLSR module shipped with V5R3. If you updated CNMSJM01 for your current release, merge those changes into the V5R3 version of CNMSJM01 and run it to assemble and link-edit your changes into the DSIZVLSR module.

DUIFPMEM

DUIFPMEM is a member of DSIPARM that contains TCP/IP initialization statements for the CNMTAMEL task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect any changes you have made. Do not modify the DATA REXX version of DUIFPMEM.

DUIIGHB

DUIIGHB is a member of DSIPARM that contains initialization statements for the DUIDGHB task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DUIIGHB, and update the GHB statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect the values previously specified in DUIIGHB. Do not modify the Data REXX version of DUIIGHB.

FKXCFG01

DSIPARM member FKXCFG01 contains configuration information for AON.

TCP390 policy information was moved from FKXCFG01 to CNMPOLCY. Move any TCP390 statements in FKXCFG01 to the CNMPOLCY member. Review your other AON configuration members (for example EZLCFG01 and FKVCFG01) and any additional members that you included to find other TCP390 statements. Move all TCP390 statements to CNMPOLCY.

| Add a DVIPADAT keyword on the TCP390 statement and set the value to Y (Yes)
| if you want to collect DVIPA data from the stack.

FLBSYSDA

FLBSYSDA is the initialization member for the APPN accounting manager in DSIPARM. This member has been removed.

FLCSAINP

FLCSAINP is obsolete. In V1R4, FLCSAINP was the sample initialization file for the MultiSystem Manager. You can modify and rename FLCSAINP to either FLCAINP or another unique name. In V5R3, FLCAINP is used to specify the GETTOPO statements that you want to run during MultiSystem Manager initialization. All other MultiSystem Manager initialization definitions have been migrated to CNMSTYLE.

For V5R3, use your existing FLCAINP (or other uniquely named member) and make the following updates:

1. If you made changes to initialization definitions (other than GETTOPO statements), migrate the changes to CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN.
2. Delete the definitions (non-GETTOPO statements) that you migrated to CNMSTYLE.
3. Delete any START_DISCOVERY statements.
4. Delete any GETTOPO NWCP*xxx* statements.
5. Delete any GETTOPO ATM*xxx* statements.

Refer to *IBM Tivoli NetView for z/OS MultiSystem Manager User's Guide* for additional information about FLCAINP.

RODM Address Space

The samples in this section list changes for the RODM address space.

EKGLOADP

EKGLOADP is the sample RODM load procedure JCL.

Make the following changes to EKGLOADP:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. To set the ROUTECODE parameter, add the following statement after the COPIES parameter in the PROC statement. When you add this parameter, add a comma after the COPIES=1 parameter.

   ```
   //           ROUTECDE=1
   ```

3. Add the &ROUTECDE variable to the NetView EXEC statement, as shown:

   ```
   //LOADRODM EXEC PGM=EKGLOTLM,
   //         PARM=('OPERATION=&OPER,LOAD=&LOAD,NAME=&RODMNAME',
   // 'LISTLEVEL=&LISTL,SEVERITY=&SEVERITY,ROUTECODE=&ROUTECDE')
   ```

   As a result of the addition of the ROUTECODE parameter, you also need to update the JCL procedure EKGLLOAD to specify &ROUTECDE when calling EKGLOADP.
4. If you are using the RODM component and are migrating from a previous release, remove the following statement from the STEPLIB data set concatenation:

   ```
   //STEPLIB  DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   ```

5. Add the following DD statement to the STEPLIB data set concatenation:

   ```
   //STEPLIB  DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

6. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```

   to

   ```
   //EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

7. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGIN2  DD DSN=&SQ1..SEKGCAS1,DISP=SHR
   ```

to

```
//EKGIN2  DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

EKGSI101

EKGSI101 is used for allocating the RODM log and checkpoint databases. This sample is used by sample job CNMSJ004.

If you allocated RODM checkpoint data sets for fewer than the maximum number of windows supported by RODM and the estimated number of objects that you expect to store in the RODM data cache exceeds the previous maximum supported number (approximately 524,000 objects), consider increasing the size of the RODM checkpoint databases.

EKGXRODM

EKGXRODM is the RODM start procedure.

Make the following changes to EKGXRODM:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. Add the following ROUTECDE parameter after the SUBSYM parameter:

   ```
   //        SUBSYM=*SUBSYM,        ** SYMBOL SUBSTITUTION OPTION
   //        ROUTECDE=1             ** ROUTE CODE FOR WTO/WTOR
   ```

4. Add the &ROUTECDE variable to the START EXEC statement, as shown:

   ```
   //START    EXEC PGM=EKGTC000,REGION=0K,TIME=1440,
   // PARM='&TYPE,&NAME,&INIT,&CLRSSB,&CUST,&ARM,&SUBSYM,&ROUTECDE'
   ```

5. If you are using the RODM component and are migrating from a previous release, replace the following statements in the STEPLIB data set concatenation:

   ```
   //         DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   //         DD DSN=&SQ1..SEKGMOD2,DISP=SHR
   ```

   with

   ```
   //         DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

6. The EKGCUST DD statement has changed to include a user DSIPARM data set:

   ```
   //EKGCUST  DD DSN=&Q1..CNM01.DSIPARM,DISP=SHR
   //         DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

7. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```

   to

   ```
   //EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

8. If you are using the RODM component and are migrating from a previous release, change the following statement from:

   ```
   //EKGIN1  DD DSN=&SQ1..SEKGSMP1(EKGIN1),DISP=SHR
   ```

   to

   ```
   //EKGIN1  DD DSN=&SQ1..CNMSAMP(EKGIN1),DISP=SHR
   ```

9. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//EKGIN2  DD DSN=&SQ1..SEKGCAS1,DISP=SHR
```

   to

```
//EKGIN2  DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

10. If you have not installed the Language Environment for OS/390 runtime library in LNKLST*xx* or PROG*xx*, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ runtime libraries because these libraries are no longer being used.

GMFHS Address Space

The samples in this section list changes for the GMFHS address space.

CNMGMFHS (CNMSJH10)

CNMGMFHS (CNMSJH10) is the GMFHS start procedure.

Make the following changes to CNMGMFHS:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. Add the following ROUTECDE parameter after the SUBSYM parameter:

```
//             SUBSYM=*SUBSYM, ** SYMBOL SUBSTITUTION
//             ROUTECDE=1    ** ROUTE CODE FOR ALL WTO'S
```

4. Add the &ROUTECDE variable to the STEP1 EXEC statement, as shown:

```
//STEP1    EXEC PGM=&PROG,REGION=&REG,TIME=1440,
// PARM='&AGGRST,RESWS=&RESWS,DOMAIN=&DOMAIN,ARM=&ARM,SUBSYM=&SUBSYM,  *
//              ROUTECDE=&ROUTECDE'
```

5. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//STEPLIB  DD DSN=&SQ1..SEKGMOD1,DISP=SHR
```

   to

```
//STEPLIB  DD DSN=&SQ1..CNMLINK,DISP=SHR
```

6. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
```

   to

```
//EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

CNMSJH12

CNMSJH12 is the sample GMFHS/SNA Topology Manager data model load job. Because of the number of changes, use the new sample job.

DUIGINIT

DUIGINIT is the initialization member for GMFHS. It contains the initialization statements for the GMFHS host main task. These statements are system-controlling constants that are read when GMFHS is initialized. You can use symbols in

DUIGINIT if symbolic substitution is enabled on your system. Ensure that the symbols are defined in member IEASYMxx of SYS1.PARMLIB.

The DOMAIN statement has been commented out in the default DUIGINIT member. The preferred approach is to use the DOMAIN symbolic variable in the GMFHS start procedure (CNMGMFHS). If the default values that are provided in the NetView-supplied DUIGINIT member are acceptable for your environment, consider using the default DUIGINIT member.

Event/Automation Service Address Space

The sample in this section lists changes for the Event/Automation Service address space.

IHSAEVNT

IHSAEVNT starts the Event/Automation Service address space. Make the following changes to IHSAEVNT in your PROCLIB:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. Remove the DD statement for the C/C++ runtime library because this library is no longer used.
3. Add the following ROUTECDE parameter after the OUTSIZE parameter:

   ```
   //             ROUTECDE=1,    ** ROUTE CODE FOR ALL WTO'S
   ```

4. Add the following &ROUTECDE variable after the &OUTSIZE variable:

   ```
   INITFILE=&INITFILE OUTSIZE=&OUTSIZE ROUTECDE=&ROUTECDE
   ```

Additional Considerations

Consider changes to the following functions:

- BROWSE Facility
- NetView Resource Manager
- UNIX system services
- System symbolic variables
- Data REXX
- IPv6 Support

BROWSE Facility

A new DEFAULTS setting called LBHOURLY controls whether the hourly-statistics messages CNM154I, CNM155I, and CNM156I are posted to the network log. In previous releases, these hourly statistics messages were posted to the network log automatically, without an option to prevent them from being posted. The default setting for LBHOURLY is NO, as set by the DEFAULTS.LBHOURLY statement in CNMSTYLE. To continue receiving these hourly statistcs messages in the network log, add a DEFAULTS.LBHOURLY statement to CNMSTUSR or C*xx*STGEN and set its value to YES.

NetView Resource Manager

As a result of being able to customize the NetView Resource Manager autotask, forwarding status from a host at the V5R2 level to a manager host on a previous release works only if the NetView Resource Manager autotask is AUTONRM. However, you can continue to forward status from a host at the V1R4 level to a

manager at the V5R2 level. There is no restriction on the NetView Resource Manager autotask name in V5R2 for the upward migration to work.

UNIX System Services

The following section describes the directories, configuration files, and functions that have changed from NetView V1R4 to NetView V5R3. Also review the section in "Preparing UNIX System Services" on page 15.

The NetView MIB collection has moved from the `/usr/lpp/netview/mibs/` directory to the `/usr/lpp/netview/v5r3/mibs/` directory.

The following configuration files found in NetView V1R4 are no longer used in NetView V5R3:

- /etc/netview/fkxcm [1]
- /etc/netview/ipdiscovery.conf
- /etc/netview/nv390mibs.def
- /etc/netview/nv390srvc.conf
- /etc/netview/snmp.conf
- /var/netview/properties/JdnServerProperties.txt
- /var/netview/properties/startup/config.properties
- /var/netview/properties/startup/node.def
- /var/netview/properties/startup/pollobj.def
- /var/netview/properties/startup/resource.def
- /var/netview/properties/startup/template.def
- /var/netview/properties/startup/view.def

The following functions are no longer available on UNIX system services for NetView V5R3:

- The TCP/IP discovery sample which previously ran on z/OS and OS/390 in UNIX system services. [2]
- The -jsnmp option of the NVSNMP command
- Java™ Application Server (JAS)

  The Java Application Server provided for starting, stopping, and checking the status of the following services in an UNIX system services environment:
  - SNMPSRVC [3]
  - POLLSRVC [3]
  - MIBSRVC [3]
  - LOADMIB [3]

Notes:

1. Copy any non-duplicate community names from fkxcm into DSIPARM member CNMSCM.
2. This sample is available for downloading from the NetView for z/OS Web page (http://www.ibm.com/software/tivoli/products/netview-zos/). It is replaced in the product by the TCP/IP discovery function for Linux on zSeries.
3. These services are available through the SNMP server which is shipped as a feature of the NetView Web application.

Use of Symbolic Variables in Parameter Files

The NetView program uses the following system variables from SYS1.PARMLIB in parameter files CNMSTYLE , DUIGINIT, and FLBSYSD:

Table 26. Symbolic Variable Usage by Initialization Members

Member	Task	TCP/IP NAME	RODM NAME	NETID
		&CNMTCPN	&CNMRODM	&CNMNETID
CNMSTYLE	NetView initialization	X	X	X
DUIGINIT	GMFHS (Graphics)		X	
FLBSYSD	SNA Topology manager		X	

&DOMAIN is an additional NetView user symbolic variable and is used in the following parameter files:
- CNMSCBET
- CNMSMRT1
- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTUSR
- CNMSTYLE
- DSIAMIAT
- DSIAMII
- DSITBL01
- DSIVPARM
- FKXWHTML
- FLBSYSD

Use of Data REXX in Parameter Files

Data REXX allows for REXX-style logic to be coded in NetView data set members. For example, Data REXX allows conditional inclusion of files and the assignment of values to parameters based on settings in CNMSTYLE.

The NetView program uses Data REXX in the following parameter files:
- AAUPRMLP
- BNJMBDST
- CNMNEWS
- CNMSTASK
- CNMSTTWR
- C*xx*STGEN
- DSIAMLTD
- DSICMDU (Data REXX support)
- DSIDMN
- DSIILGCF
- DSILUCTD
- DSIOPF
- DSIREXCF
- DSIRSHCF
- DSIRTTTD
- DSITBL01
- DSITCPCF
- DSIUINIT
- DSIWBMEM
- DUIFPMEM
- DUIIGHB
- EZLCFG01

- EZLDSIAO
- FKVCFG01
- FKVISTAO
- FKVTABLE
- FLBAUT
- HELPMAP (CNMS1048)

IPv6 Support

By default, the NetView program supports both IPv4 and IPv6 addressing. However, you can limit the NetView program to one addressing family using the IPv6Env environment statement in CNMSTYLE. For information about the IPv6Env statement, see the *IBM Tivoli NetView for z/OS Administration Reference*. See also Appendix G, "Differences Between IPv4 and IPv6 Addresses," on page 205 for more information.

Chapter 5. Migrating from Tivoli NetView for z/OS Version 5 Release 1

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from the Tivoli NetView for z/OS Version 5 Release 1. The migration information is based on the NetView components as shipped with the initial release of V5R1. You can either add the V5R3 content into your V5R1 NetView definitions, or add your V5R1 customization to the default V5R3 members supplied with the NetView program. Either way, place the customized member into an appropriate user-allocated data set such as NETVIEW.V5R3USER.CNM01.DSIPARM. Do not customize members in the SMP/E-managed data sets such as NETVIEW.V5R3M0.DSIPARM.

> **Note:** Additional migration information has been added to this chapter that relates
> to APAR OA22729.

Several factors can influence the method you use when migrating your NetView definition members. Factors such as the size and complexity of your network, security policies that must be followed, and established practices within your business can all influence what is the best method for your migration. The checklist that follows details the documented method of migration as outlined in this book and supported by other books in the NetView library. Choose the method of migration that is best for you.

Perform the following steps to migrate your V5R1 definitions:

1. Allocate a new set of V5R3 user data sets by running sample job CNMSJ002. You needed to have done this when you completed the steps in Table 11 on page 16.
2. Run sample job CNMSJMIG to convert your V5R1 DSIPARM members to the new CNMSTYLE format. See Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197 for more details.
3. Run sample job CNMSJMIG to convert your V5R1 DSICMD member to the new CNMCMD format. See Appendix F, “Migrating to CNMSTYLE and CNMCMD,” on page 197 for more details.
4. Define a unique &NV2I value (*xx*) for each NetView domain.
5. Move any domain-specific statements from the DSIPARM member CNMSTUSR that was created by CNMSJMIG into C*xx*STGEN, where *xx* is the value of the local symbolic variable &NV2I that you defined in the previous step.
6. Review your customized V5R1 copy of CNMSTYLE. Move all of your domain-specific customization of your V5R1 CNMSTYLE into C*xx*STGEN and all of your system-wide customization of your V5R1 CNMSTYLE into CNMSTUSR, noting that some of these changes might have already been added by CNMSJMIG. Do not copy your V5R1 CNMSTYLE member into the V5R3 user DSIPARM data set.
7. Review the CNMSTYLE information in this chapter and the V5R3 CNMSTNXT member shipped with the NetView program. Place any domain-specific customization of CNMSTYLE into C*xx*STGEN and any system-wide customization of CNMSTYLE into CNMSTUSR. Do not modify the V5R3 default CNMSTYLE member.

8. Review the remaining information in this chapter, and migrate your V5R1 NetView definition members and JCL procedures as appropriate, placing only those members that have been modified into the V5R3 user data sets.

Figure 9 shows the NetView V5R3 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

NetView Initialization Flow

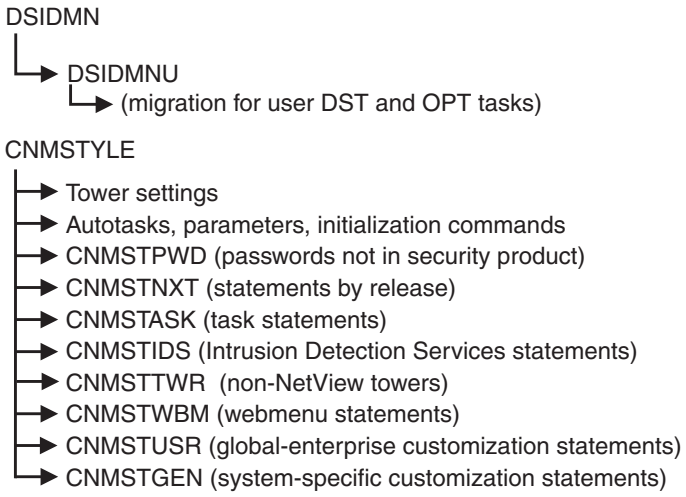


Figure 9. NetView V5R3 Initialization Flow

When you finish with this chapter, continue with Chapter 7, "Getting Ready to Start NetView," on page 117.

If you want information about...	Refer to...
Changes including panels, commands, messages, and samples	• Appendix C, "Changes from Tivoli NetView for z/OS Version 5 Release 1 to Tivoli NetView for z/OS Version 5 Release 2," on page 181 • Appendix D, "Changes from Tivoli NetView for z/OS Version 5 Release 2 to Tivoli NetView for z/OS Version 5 Release 3," on page 189

New Samples

Table 27 lists new samples to review during migration.

Table 27. List of New Samples

Distributed As	Name	Description	Data Set Name
CNMCMD	same	NetView command definitions for NetView commands The CMDDEF statements provide the definitions for the commands. Some of the CMDDEF statements have command synonyms (CMDSYN). These statements provide a synonym for the command. This definition also provides the cross-domain logon definitions and the CMDDEF statements (and synonyms) for the terminal access facility (TAF) and the VTAM program. Files with names that begin with CNMS6 are included in NETVIEW.V5R3M0.CNMSAMP. Include these files in CNMCMD so that you can use the automation command lists that are also included on the distribution tape.	DSIPARM
CNMCMDO	same	Command definitions for product-specific defined commands	DSIPARM
CNMCMDU	same	Command definitions for user-defined commands	DSIPARM
CNMCMENT	same	NetView command definitions	DSIPARM
CNMCMSYS	same	NetView command definitions	DSIPARM
CNMIPMGT	same	Automation policy for NetView IP management	DSIPARM
CNMPOLCY	same	Automation policy for NetView	DSIPARM
CNMSCBEA	same	Automation sample that shows how to use the CBE automation table action to produce common base event XML documents	DSIPARM
CNMSCBET	same	Template file for defining Common Base Event XML elements	DSIPARM
CNMSCM	same	SNMP community names for TCP/IP stacks	DSIPARM
CNMSDVIP	same	This sample displays the DVIPA definition and status data. It formats the DVIPSTAT command output (BNH846I message) into a user-friendly format.	CNMSAMP
CNMSDVPC	same	This sample displays the DVIPA connection data. It formats the DVIPCONN command output (BNH849I message) into a user-friendly format.	CNMSAMP
CNMSEMAA	same	Automation table member for the NetView for z/OS Enterprise Management Agent	DSIPARM

Table 27. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
CNMSEPTL	same	Automation table sample for resource discovery	DSIPARM
CNMSJCRG	same	CNMSTYLE report generator sample job	CNMSAMP
CNMSJEMA	same	Allocates and copies a user INSTLIB data set used for starting the configuration tool for the NetView for z/OS Enterprise Management Agent	CNMSAMP
CNMSJKVW	same	Sample job to copy members from the SCNMAGNT data set to the z/OS Tivoli Enterprise Monitoring Server RKANDATV data set	CNMSAMP
CNMSJMIG	same	CNMSTYLE migration tool sample job	CNMSAMP
CNMSJZCE	same	Sample start job for the event correlation engine	CNMSAMP
CNMSMRT1	same	Message revision table	DSIPARM
CNMSPLEX	same	This sample displays the DVIPA sysplex distributor data. It formats the DVIPPLEX command output (BNH847I message) into a user-friendly format.	CNMSAMP
CNMSSTAC	same	This sample displays the TCP/IP stack configuration and status data. It formats the STACSTAT command output (BNH845I message) into a user-friendly format.	CNMSAMP
CNMSTARG	same	This sample displays the DVIPA distributor target and DVIPA workload by port data. It formats the DVIPTARG command output (BNH848I and BNH850I messages) into a user-friendly format.	CNMSAMP
CNMSTIDS	same	Includes Intrusion Detection Services (IDS) initialization statements.	DSIPARM
CNMSTUSR	same	Customization member for CNMSTYLE: include additional or modified global (enterprise) definition statements that override statements in CNMSTYLE.	DSIPARM
CNMSTWBM	same	Includes Web browser portfolio definitions	DSIPARM
DSIPROFN	same	Automated operator profile for the NetView for z/OS Enterprise Management Agent data collection autotasks (AUTODC*n*)	DSIPRF
DSIZCETB	same	Automation table sample for the event correlation engine	DSIPARM
EZLCMENT	same	NetView command definitions for base AON commands	DSIPARM
FKVCMENT	same	NetView command definitions for AON/SNA commands	DSIPARM
FKXCMENT	same	NetView command definitions for AON/TCP commands	DSIPARM
FKXIPMTB	same	Configuration data for NetView IP management automation	DSIPARM

Table 27. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
FKXOPFIP	same	Operator definitions for NetView IP management automation	DSIPARM

VTAM Address Space

The samples in this section list changes for the VTAM address space.

A01APPLS (CNMS0013)

This member contains the application (APPL) major nodes coded for the NetView program.

If you did not reallocate and recopy the VTAMLST data sets, make the following changes to A01APPLS:

- Either set the domain ID (system variable &CNMDOMN) in SYS1.PARMLIB member IEASYM*xx* or change *every* occurrence of &CNMDOMN. in A01APPLS (CNMS0013) to the current domain ID.
- If you are not using the status monitor preprocessor, you can replace the APPL statements defining tasks for multiple concurrent NetView operators with one APPL statement using wildcard characters (??), for example:

```
&CNMDOMN.0?? APPL  AUTH=(NVPACE,SPO,ACQ,PASS),PRTCT=&CNMDOMN.,     X
               EAS=4,MODETAB=AMODETAB,DLOGMOD=DSILGMOD
```

- If you are not using the status monitor preprocessor, you can replace the TAF APPL statements with one APPL statement using wildcard characters (??) following the LU name, for example:

```
TAF01O?? APPL  MODETAB=AMODETAB,EAS=9,       X
               DLOGMOD=M3767
```

APPL names defined for use by other applications (such as TAF) must not be defined with the same naming scheme as terminal logon APPLs (for example, the domain name followed by a 3-character suffix). Doing so can cause these application names to be used by the NetView program for terminal logons, which can make the application names unavailable for the purpose for which they were defined.

CNMNET (CNMSJ008)

CNMNET (CNMSJ008) is the start procedure for the VTAM program.

Change CNMNET in your PROCLIB in the following way:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.

NetView Address Space

The samples in this section list changes for the NetView address space.

CNMIPMGT

DSIPARM member CNMIPMGT is a new sample that contains IP management policy definitions. It is included by the CNMPOLCY member. This sample was added with APAR OA22729.

CNMPROC (CNMSJ009)

CNMPROC (CNMSJ009) is the start procedure for the NetView program.

Make the following changes to CNMPROC in your PROCLIB:

1. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
2. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
3. Because the AON VSAM data sets have increased in size, reallocate them during migration. For more information on allocating VSAM data sets, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*. Also note that the VSAM cluster name prefixes have changed to NETVIEW.&*domain*.
4. The default region size is increased to 65536 K. If you are using the existing default region size (32768 K) for the NetView product, increase the region size value:

   ```
   //       REG=65536,            ** REGION SIZE(IN K) FOR NETVIEW
   ```

   If you plan on enabling additional towers, increase the region size even more. For additional information, refer to the *IBM Tivoli NetView for z/OS Tuning Guide*.
5. Add the following REXX statement after the SQ1 statement to specify the high level qualifier of your REXX libraries:

   ```
   //       REXX='EAG.V1R4M0',    ** REXX DSN HIGH LEVEL QUALIFIER
   ```
6. Add the following TRSIZE statement and comments after the NV2I statement to allow the specification of the trace table size:

   ```
   //       NV2I='',
   //       TRSIZE=4000
   //*                            ** INTERNAL TRACE TABLE SIZE - Number
   //*                            ** of pages to be allocated for the
   //*                            ** NetView Internal Trace table. The
   //*                            ** trace table is located in a data
   //*                            ** space, so the value can be up to
   //*                            ** 524286. If no value is specified,
   //*                            ** the default of 4000 is used. If
   //*                            ** a value of 0 is passed, internal
   //*                            ** trace is not started early. Trace
   //*                            ** options in CNMSTYLE take effect
   //*                            ** even if trace is not started early.
   //*
   ```
7. Add the &TRSIZE variables to the NetView EXEC statement, as shown:

   ```
   //NETVIEW  EXEC PGM=&PROG,TIME=1440,
   //         REGION=&REG.K,
   //         PARM=(&BFSZ.K,&SLSZ,
   //           '&DOMAIN','&DOMAINPW','&ARM','&SUBSYM','&NV2I','&TRSIZE'),
   //         DPRTY=(13,13)
   //         DPRTY=(13,13)
   ```
8. Change the following DD statement in the STEPLIB concatenation (change SEAGLMD to SEAGLPA):

   ```
   //* YOU WILL NEED ACCESS TO EITHER THE REXX/370 RUNTIME LIBRARY
   //* OR THE REXX ALTERNATE LIBRARY AS FOLLOWS:
   //*
   ```

```
//* - IF YOU HAVE THE REXX/370 LIBRARY ON YOUR SYSTEM BUT SEAGLPA
//*   IS NOT ACCESSIBLE FROM THE PAGEABLE LINK PACK AREA (PLPA),
//*   THEN YOU MUST UNCOMMENT THE "SEAGLPA" LINE BELOW.
//*
//*    OR
//*
//* - IF YOU HAVE THE REXX ALTERNATE LIBRARY ON YOUR SYSTEM,
//*   BUT SEAGALT IS NOT ACCESSIBLE FROM THE PLPA OR LINKLST,
//*   THEN YOU MUST UNCOMMENT THE "SEAGALT" LINE BELOW.
//*
//* WHEN YOU UNCOMMENT EITHER OF THE LINES BELOW, MAKE SURE
//* THAT THE DSN ACTUALLY MATCHES THE NAME ON YOUR SYSTEM.
//* IN ADDITION, MAKE SURE THAT THE DATASET IS APF-AUTHORIZED.
//*
//*        DD   DSN=&REXX..SEAGLPA,DISP=SHR
//*        DD   DSN=&REXX..SEAGALT,DISP=SHR
```

Note: Either the REXX/370 runtime library or the REXX alternate library is required.

9. If you plan to run Language Environment (LE) HLL programs with the NetView program, and did not install the LE runtime library in the LNKLSTxx, be sure the library name in the STEPLIB of CNMPROC is correct and uncommented.
10. Update the DSICLD DD statement to add the following user data set:

```
//DSICLD   DD   DSN=&Q1..&DOMAIN..CNMCLST,DISP=SHR
//         DD   DSN=&SQ1..CNMCLST,DISP=SHR
//         DD   DSN=&SQ1..CNMSAMP,DISP=SHR
```

11. Add the following TCP connection VSAM databases:

```
//DSITCONP DD   DSN=&VQ1..&DOMAIN..DSITCONP,
//         DISP=SHR,AMP='AMORG'
//DSITCONS DD   DSN=&VQ1..&DOMAIN..DSITCONS,
//         DISP=SHR,AMP='AMORG'
```

12. Add the following TCP/IP translate data set information and update the statement as needed for your installation:

```
//*
//*****************************************************************
//* If you are using the TCP/IP translate data set TCPXLBIN,
//* specify the appropriate data set name and uncomment the
//* following DD statement to prevent dynamic allocation
//* messages from being issued each time the data set is needed.
//*
//*CNMXLBIN  DD  DISP=SHR,DSN=datasetprefix.STANDARD.TCPXLBIN
//*
//* For more information please see your IP Configuration Guide.
```

CNMPSSI (CNMSJ010)

CNMPSSI (CNMSJ010) starts the NetView subsystem address space.

Make the following changes to CNMPSSI in your PROCLIB:

1. Ensure that the high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. The default value for MSGIFAC has changed from SYSTEM to SSIEXT. Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values are not supported.

```
//       MSGIFAC='SSIEXT',    ** SSI/EXTENDED CONSOLE OVERRIDE SWITCH
```

3. Add the following statements after the P4000BUF parameter to set the route code. If you add these statements, add a comma after the P4000BUF=0 statement.

```
//       ROUTECDE=1           ** Route code to be used for WTOs issued
//*                           **  by the SSI address space.  Messages
//*                           **  that may be issued before this parm
//*                           **  is processed will use route code 1
//*                           **  regardless of the value set here.
```

4. Add the &ROUTECDE variable to the NetView EXEC statement, as shown:

```
//NETVIEW  EXEC PGM=&PROG,TIME=1440,REGION=&REG.K,
//         PARM=(&MBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
//          '&PFXREG',&P256BUF,&P4000BUF,&ROUTECDE),DPRTY=(13,13)
```

CNMSAF2

DSIPARM member CNMSAF2 contains sample RACF definitions for NetView operators and commands.

Make the following changes to CNMSAF2:

1. Add the following statements after the SYSTSIN DD statement. These statements define &SLASH as a RACF variable.

```
//SYSTSIN   DD  *,DLM=@@
/*
/*********************************************************************
/*  The following three statements are needed to define &SLASH as    *
/*  a RACF variable.  This variable is needed because some NetView   *
/*  resource names have the string '/*' as part of the name.  When   *
/*  the RACF statements containing this string are executed in the   *
/*  TSO/E background command environment, the '/*' is treated as     *
/*  the beginning of a comment causing the remainder of the RACF     *
/*  statement to be ignored.  This &SLASH RACF variable definition   *
/*  makes it possible to code '&SLASH*' to prevent this string       *
/*  from being treated as an opening comment delimiter and still     *
/*  allow RACF to interpret the string as a '/*' as intended.        *
/*********************************************************************
SETROPTS CLASSACT(RACFVARS) GENERIC(RACFVARS) +
                            RACLIST(RACFVARS) LIST
RDEF RACFVARS &SLASH ADDMEM(/)
SETROPTS RACLIST(RACFVARS) REFRESH
/*********************************************************************
```

2. Update the RDEF NETCMD statements and the PE statements to use the &SLASH variable:

```
RDEF NETCMDS *.*.DSIPIINS.*.DSICLD&SLASH*   UACC(NONE)
RDEF NETCMDS *.*.DSIPIINS.*.DSIPARM&SLASH*  UACC(NONE)
RDEF NETCMDS *.*.DSIPIINS.*.DSIPRF&SLASH*   UACC(NONE)
RDEF NETCMDS *.*.DSIPIINS.*.DSIVTAM&SLASH*  UACC(NONE)
PE *.*.DSIPIINS.*.DSICLD&SLASH* +
                            CLASS(NETCMDS) ID(NVOPS2) ACCESS(READ)
PE *.*.DSIPIINS.*.DSIPARM&SLASH* +
                            CLASS(NETCMDS) ID(NVOPS2) ACCESS(READ)
PE *.*.DSIPIINS.*.DSIPRF&SLASH* +
                            CLASS(NETCMDS) ID(NVOPS2) ACCESS(READ)
PE *.*.DSIPIINS.*.DSIVTAM&SLASH* +
                            CLASS(NETCMDS) ID(NVOPS2) ACCESS(READ)
```

3. Add the following users:

```
ADDUSER AUTONA
ALTUSER AUTONA   NETVIEW(MSGRECVR(NO) CTL(GLOBAL))
ADDUSER AUTONALC
ALTUSER AUTONALC NETVIEW(MSGRECVR(NO) CTL(GLOBAL))
ADDUSER NATEP1
ALTUSER NATEP1   NETVIEW(MSGRECVR(NO) CTL(GLOBAL))
ADDUSER NATEP2
ALTUSER NATEP2   NETVIEW(MSGRECVR(NO) CTL(GLOBAL))
ADDUSER SYSADMIN
ALTUSER SYSADMIN NETVIEW(MSGRECVR(NO) CTL(GLOBAL))
```

4. Add the following statements under ADDGROUP NVOPS0:

```
CONNECT  AUTOOM   GROUP(NVOPS0) UACC(READ)
CONNECT  OMTAP1   GROUP(NVOPS0) UACC(READ)
CONNECT  OMTAP2   GROUP(NVOPS0) UACC(READ)
CONNECT  SYSADMIN GROUP(NVOPS0) UACC(READ)
```

5. Add the following statements under ADDGROUP NVOPS1:

```
/*********************************************************************
/* Operators listed in this group are permitted to do many (but not
/* all) restricted NetView commands.
/*********************************************************************
CONNECT  AUTODC1  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC2  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC3  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC4  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC5  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC6  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC7  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTDVIPA GROUP(NVOPS1) UACC(READ)
```

6. Add the following statement under ADDGROUP NVOPS2:

```
/*********************************************************************
/* Operators listed in this group are permitted to do any commands.
/*********************************************************************
CONNECT  AUTDVIPA GROUP(NVOPS2) UACC(READ)
```

7. Add the following operators which are associated with the NetView for z/OS Tivoli Enterprise Portal Agent and the Tivoli NetView for z/OS Enterprise Management Agent:

```
/*********************************************************************
/* Operators listed in this group are permitted to issue the
/* NACMD command.
/*********************************************************************
ADDGROUP NAOPS1
CONNECT  NETOP1   GROUP(NAOPS1) UACC(READ)
CONNECT  NETOP2   GROUP(NAOPS1) UACC(READ)
CONNECT  AUTO1    GROUP(NAOPS1) UACC(READ)
CONNECT  AUTO2    GROUP(NAOPS1) UACC(READ)
CONNECT  AUTONA   GROUP(NAOPS1) UACC(READ)
CONNECT  AUTONALC GROUP(NAOPS1) UACC(READ)

:
/*********************************************************************
/* Operators listed in this group are permitted to issue the specific
/* commands designed for use with the NetView Tivoli Enterprise
/* Portal Agent or the NetView for z/OS Enterprise Management Agent.
/*********************************************************************
ADDGROUP NAOPS2
CONNECT  NETOP1   GROUP(NAOPS2) UACC(READ)
CONNECT  NETOP2   GROUP(NAOPS2) UACC(READ)
CONNECT  AUTO1    GROUP(NAOPS2) UACC(READ)
CONNECT  AUTO2    GROUP(NAOPS2) UACC(READ)
CONNECT  NATEP1   GROUP(NAOPS2) UACC(READ)
CONNECT  NATEP2   GROUP(NAOPS2) UACC(READ)
CONNECT  SYSADMIN GROUP(NAOPS2) UACC(READ)
```

8. Add the following statements under SETROPTS GENERIC(NETCMDS):

```
RDEF NETCMDS *.*.CNME7200             UACC(NONE)
RDEF NETCMDS *.*.CNME7201             UACC(NONE)
RDEF NETCMDS *.*.CNME7204.LISTOPID    UACC(NONE)
RDEF NETCMDS *.*.CNME7204.LISTCONN    UACC(NONE)
RDEF NETCMDS *.*.CNME7204.START       UACC(NONE)
RDEF NETCMDS *.*.CNME7204.STOP        UACC(NONE)
RDEF NETCMDS *.*.CNME7205             UACC(NONE)
RDEF NETCMDS *.*.CNME7210             UACC(NONE)
RDEF NETCMDS *.*.CNME7211             UACC(NONE)
```

```
RDEF NETCMDS *.*.CNME7212              UACC(NONE)
RDEF NETCMDS *.*.CNME7213              UACC(NONE)
RDEF NETCMDS *.*.CNME7221              UACC(NONE)
RDEF NETCMDS *.*.CNME7225              UACC(NONE)
RDEF NETCMDS *.*.CNME8200              UACC(NONE)
RDEF NETCMDS *.*.CNME8205              UACC(NONE)
RDEF NETCMDS *.*.CNME8210              UACC(NONE)
RDEF NETCMDS *.*.CNME8211              UACC(NONE)
RDEF NETCMDS *.*.CNME8212              UACC(NONE)
RDEF NETCMDS *.*.CNME8213              UACC(NONE)
RDEF NETCMDS *.*.CNME8221              UACC(NONE)
RDEF NETCMDS *.*.CNME8225              UACC(NONE)
RDEF NETCMDS *.*.OVERRIDE.SLOGCMDR.*   UACC(NONE)
:
PE *.*.CNME7200             CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7201             CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.LISTOPID    CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.LISTCONN    CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.START       CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.STOP        CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7205             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME7210             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME7211             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME7212             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME7213             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME7221             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME7225             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8205             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8210             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8211             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8212             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8213             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8221             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8225             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.OVERRIDE.SLOGCMDR.*  CLASS(NETCMDS) ID(NVOPS1) ACCESS(READ)
```

9. Add the following NCONVGRP group:

```
*************************************************************************
* Operators listed in this group are allowed to do use the NETCONV
* command to initiate and terminate sessions with a server.
*************************************************************************
ADDGROUP NCONVGRP
CONNECT  AUTO1    GROUP(NCONVGRP) UACC(READ)
CONNECT  NETOP1   GROUP(NCONVGRP) UACC(READ)
CONNECT  NETOP2   GROUP(NCONVGRP) UACC(READ)
CONNECT  OPER1    GROUP(NCONVGRP) UACC(READ)
CONNECT  OPER2    GROUP(NCONVGRP) UACC(READ)
CONNECT  OPER3    GROUP(NCONVGRP) UACC(READ)
```

10. Add the following statements under SETROPTS GENERIC(NETCMDS) :

```
/*********************************************************************
/* The following statements restrict operators from issuing
/* the START and STOP values for the ACTION keyword and STARTCON and
/* STOPCON keywords for the NETCONV command
/*********************************************************************
RDEF NETCMDS *.*.NETCONV.ACTION.START  UACC(NONE)
RDEF NETCMDS *.*.NETCONV.ACTION.STOP   UACC(NONE)
RDEF NETCMDS *.*.NETCONV.STARTCON      UACC(NONE)
RDEF NETCMDS *.*.NETCONV.STOPCON       UACC(NONE)
:
PE *.*.NETCONV.ACTION.START  CLASS(NETCMDS) ID(NCONVGRP) ACCESS(READ)
PE *.*.NETCONV.ACTION.STOP   CLASS(NETCMDS) ID(NCONVGRP) ACCESS(READ)
PE *.*.NETCONV.STARTCON      CLASS(NETCMDS) ID(NCONVGRP) ACCESS(READ)
PE *.*.NETCONV.STOPCON       CLASS(NETCMDS) ID(NCONVGRP) ACCESS(READ)
```

11. Add the following statement after SETROPTS GENERIC(NETCMDS) :

```
RDEF NETCMDS *.*.REVISMSG              UACC(NONE)
:
PE *.*.REVISMSG             CLASS(NETCMDS) ID(NVOPS2) ACCESS(READ)
```

12. Change the following statement from

```
 /*RDEF NETCMDS *.*.LOGON.NMC        UACC(NONE)
```

    to

```
/*RDEF NETCMDS *.*.DUILOGON.NMC        UACC(NONE)
```

13. Change the following statement from

```
/*PE *.*.LOGON.NMC       CLASS(NETCMDS) ID(NVOPS1) ACCESS(READ)
```

    to

```
/*PE *.*.DUILOGON.NMC       CLASS(NETCMDS) ID(NVOPS1) ACCESS(READ)
```

CNMSCAT2

DSIPARM member CNMSCAT2 contains the sample command authorization table.

Make the following changes to CNMSCAT2:

1. Update the following statements:

```
*************************************************************************
* Users listed in this group are allowed to do most restricted        *
* commands.                                                           *
*************************************************************************
GROUP   NVOPS1   NETOP1,NETOP2,OPER1,OPER2,OPER3,AUTO1,AUTO2
GROUP   NVOPS1   DBAUTO1,DBAUTO2,DSILCOPR,AUTDVIPA,AUTODC1
GROUP   NVOPS1   AUTODC2,AUTODC3,AUTODC4,AUTODC5,AUTODC6,AUTODC7
```

2. Update the following statement:

```
*************************************************************************
* Users listed in this group are allowed to do any commands,          *
* provided they are also in the NVOPS1 group above.                   *
/*************************************************************************
GROUP   NVOPS2   NETOP1,NETOP2,AUTO1,AUTO2,AUTDVIPA
```

3. Add the following statement:

```
*************************************************************************
* Users listed in this group are allowed to do use the NETCONV command*
* to initiate and terminate sessions with a server.                   *
*************************************************************************
GROUP   NCONVGRP AUTO1,NETOP1,NETOP2,OPER1,OPER2,OPER3
```

4. Add the following statement:

```
*************************************************************************
* Users listed in this group are allowed to do issue the NACMD cmd.   *
*************************************************************************
GROUP   NAOPS1   AUTONA,NETOP1,NETOP2,AUTO1,AUTO2,AUTONALC
```

5. Add the following statement:

```
*************************************************************************
* Operators listed in this group are permitted to issue the           *
* specific commands designed to come from the NetView Tivoli          *
* Enterprise Portal Agent                                             *
*************************************************************************
GROUP   NAOPS2   NATEP1,NATEP2,SYSADMIN,NETOP1,NETOP2,AUTO1,AUTO2
```

6. Add the following PROTECT statements:

```
PROTECT          *.*.CNME7200
PROTECT          *.*.CNME7201
PROTECT          *.*.CNME7204.LISTOPID
PROTECT          *.*.CNME7204.LISTCONN
PROTECT          *.*.CNME7204.START
PROTECT          *.*.CNME7204.STOP
```

```
PROTECT          *.*.CNME7205
PROTECT          *.*.CNME7210
PROTECT          *.*.CNME7211
PROTECT          *.*.CNME7212
PROTECT          *.*.CNME7213
PROTECT          *.*.CNME7221
PROTECT          *.*.CNME7225
PROTECT          *.*.CNME8200
PROTECT          *.*.CNME8205
PROTECT          *.*.CNME8210
PROTECT          *.*.CNME8211
PROTECT          *.*.CNME8212
PROTECT          *.*.CNME8213
PROTECT          *.*.CNME8221
PROTECT          *.*.CNME8225
PROTECT          *.*.REVISMSG
PROTECT          *.*.NETCONV.ACTION.START
PROTECT          *.*.NETCONV.ACTION.STOP
PROTECT          *.*.NETCONV.STARTCON
PROTECT          *.*.NETCONV.STOPCON
PROTECT          *.*.CNMEAUTB
PROTECT          *.*.OVERRIDE.SLOGCMDR
*PROTECT          *.*.DUILOGON.NMC
```

7. Add the following PERMIT statements:

```
PERMIT  NAOPS1   *.*.CNME7200
PERMIT  NAOPS1   *.*.CNME7201
PERMIT  NAOPS1   *.*.CNME7204.LISTOPID
PERMIT  NAOPS1   *.*.CNME7204.LISTCONN
PERMIT  NAOPS1   *.*.CNME7204.START
PERMIT  NAOPS1   *.*.CNME7204.STOP
PERMIT  NAOPS2   *.*.CNME7205
PERMIT  NAOPS2   *.*.CNME7210
PERMIT  NAOPS2   *.*.CNME7211
PERMIT  NAOPS2   *.*.CNME7212
PERMIT  NAOPS2   *.*.CNME7213
PERMIT  NAOPS2   *.*.CNME7221
PERMIT  NAOPS2   *.*.CNME7225
PERMIT  NAOPS2   *.*.CNME8205
PERMIT  NAOPS2   *.*.CNME8210
PERMIT  NAOPS2   *.*.CNME8211
PERMIT  NAOPS2   *.*.CNME8212
PERMIT  NAOPS2   *.*.CNME8213
PERMIT  NAOPS2   *.*.CNME8221
PERMIT  NAOPS2   *.*.CNME8225
PERMIT  NVOPS2   *.*.REVISMSG
PERMIT NCONVGRP  *.*.NETCONV.ACTION.START
PERMIT NCONVGRP  *.*.NETCONV.ACTION.STOP
PERMIT NCONVGRP  *.*.NETCONV.STARTCON
PERMIT NCONVGRP  *.*.NETCONV.STOPCON
PERMIT  NVOPS2   *.*.CNMEAUTB
PERMIT  NVOPS1   *.*.OVERRIDE.SLOGCMDR
*PERMIT  xxxxxx   *.*.DUILOGON.NMC
```

8. Remove the following statements:

```
PROTECT          *.*.DSIPIAS
*PROTECT          *.*.LOGON.NMC
PERMIT  NVOPS2   *.*.DSIPIAS
*PERMIT  xxxxxx   *.*.LOGON.NMC
```

CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN instead of modifying individual

samples as in prior releases of the NetView product. CNMSTYLE is designed to simplify the NetView initialization process.

You can use sample CNMSJMIG in data set NETVIEW.V5R3USER.INSTALL to migrate initialization members from prior releases (including CNME1034 and some DSIPARM members) to CNMSTUSR. For more information, see Appendix F, "Migrating to CNMSTYLE and CNMCMD," on page 197.

| The Multisystem Manager NetFinity (NTF) subtower has been removed.

> If you applied the PTF for APAR OA22729, the IPMGT (for IP management) tower
> was added to the TOWER statement.

> With APAR OA22729, the COMMON.FKXIPSTAT statement was deleted.

The CNMSTYLE and dependent members replace some of the definition statements in DSIPARM and all the initialization performed by CNME1034.

Table 28. CNMSTYLE Statement Relationship to Older DSIPARM Statements

CNMSTYLE Statement	DSIPARM Statement or Command	NetView Member
COMMON.CNMSTYLE. DVIPAINTVL	DVIPA	FKXCFG01
COMMON.CNMSTYLE. DVIPAMAX	MAXDVIPA	FKXCFG01
NPDA.PDFILTER	NPDA SRFILTER	CNME3004
TAMEL.USETCPIP	USETCPIP	DUIFPMEM
WEB.*	*parameters*	DSIWBMEM

CNMSTYLE contains descriptive comments about the types of statements that are included. Read the comments and review the defaults.

The following defaults changed:

Table 29. CNMSTYLE statements

Default	Prior default	Current default
NCCF Trace **Note:** If you notice a significant increase in processor utilization during initialization, you might want to change the TRACE options or start the trace after NetView initialization is complete.	Off	On, MODE=INT
MVSPARM.MSGIFAC	SYSTEM	SSIEXT The default value for MSGIFAC is SSIEXT. Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values are not supported.

Table 29. CNMSTYLE statements (continued)

Default	Prior default	Current default
HLLENV keywords	PHEAP=4096	PHEAP=131072
	PSTACK=4096	PSTACK=131072
TOWER=DVIPA	Enabled on the TCP390 statement in FKXCFG01	Commented out in CNMSTYLE

Note: For the SECOPTS.CMDAUTH statement, the NetView program supports the SCOPE option in migration mode only. If you currently use scope of commands security definitions (CMDCLASS, KEYCLASS, VALCLASS statements in DSICMD, with matching OPCLASS statements), you can convert them into equivalent command authorization table statements using the SECMIGR command. If you initialize the NetView program using the SCOPE option, the SECMIGR command is used to convert existing scope security definitions. The converted table is written to the first DSIPARM data set and is put into effect. Make sure the PPT has authority to write the converted command authorization table to the DSIPARM data set.

If you want information about...	Refer to...
CNMSTYLE statements	*IBM Tivoli NetView for z/OS Administration Reference*
CNMSTYLE report	Chapter 7, "Getting Ready to Start NetView," on page 117

You can use sample CNMSJCRG to produce a report of CNMSTYLE statements. The statements are organized by function. CNMSTYLE %INCLUDE member statements are also listed in the report. You can use this report to analyze initialization statements.

CNMSTNXT

CNMSTNXT contains statements that are new or changed. Statements are grouped according to version and release level of the NetView product. Review the statements in CNMSTNXT and update CNMSTUSR or C*xx*STGEN as necessary.

If you want information about...	Refer to...
CNMSTYLE statements	*IBM Tivoli NetView for z/OS Administration Reference*

DSICMD

The command definition statements in DSICMD have been replaced by new command definitions in member CNMCMD. NetView initialization continues to read DSICMDU for migration purposes. You can use sample CNMSJMIG to migrate member DSICMD to the new CNMCMD format. For more information, see Appendix F, "Migrating to CNMSTYLE and CNMCMD," on page 197.

If you do not convert your definitions in DSICMDU to the new format before NetView initialization, information contained in DSICMDU is converted and stored in a NetView KEEP under the PPT for 2 hours. During this time, you can use a NetView PIPE command to retrieve these converted command definitions. The following example shows one way of retrieving these definitions for display:

```
/PPT: PIPE KEEP DSICMDU | CONS
```

You can also use a similar PIPE command to write the converted definitions to the CNMCMDU member of DSIPARM.

Note: Data REXX statements in DSICMDU have already been processed and therefore do not exist in the DSICMDU KEEP.

Command definitions in DSICMDU that duplicate command definitions found in either CNMCMSYS or CNMCMENT are overridden by the latter. Command definitions in DSICMDU that duplicate commands in the NetView internal command set are considered to be in error.

To migrate your definitions from DSICMDU, complete the following steps:

1. Start NetView in a test environment and note any DSI234I messages for duplicate command definitions.
2. Retrieve the migrated DSICMDU command definitions from the NetView KEEP and store them in CNMCMDU. For example:

   ```
   /PPT: PIPE KEEP DSICMDU | QSAM (DSN) user.dsiparm(CNMCMDU)
   ```

   where *user.dsiparm* specifies the data set in which to place the migrated command definition statements.

   Note: You can also use sample CNMSJMIG to migrate DSICMDU definitions before you start NetView V5R3.
3. Update the CNMCMDU definitions to change any duplicate command definitions noted during NetView initialization.

Make all changes to command definitions in CNMCMSYS or CNMCMENT using CMDDEF statements in CNMCMDU.

DSICMENT

The DSICMENT member of DSIPARM has been replaced by CNMCMENT.

DSICMSYS

The DSICMSYS member in the DSIPARM data set was replaced by the CNMCMSYS member.

The CNMCMSYS member does not contain a CMDMDL statement for the CNME1500 command list. As a result, the READYRMT alias (command) is no longer defined. The CNME1500 member is still available.

EZLCMD

The EZLCMD member of DSIPARM has been replaced by EZLCMENT.

FKXCMD

DSIPARM member FKXCMD has been replaced by FKXCMENT.

DSIOPF

Ensure that your operator definitions defined in DSIOPFU are included in the V5R3 version of DSIOPFU.

You can add Data REXX logic to conditionally define operator definitions in DSIOPFU. Data REXX files must have either `/*%DATA*/` or `/*%LOGIC*/` as the first statement. Comments can follow on the same or subsequent lines. A blank in the

first column indicates a continuation of the previous statement. For more information on Data REXX, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.

The following operator definition was removed:

```
FLBGMMGR      OPERATOR    PASSWORD=FLBGMMGR
              PROFILEN    FLBGMMPR
```

The following operator definitions were added:

Table 30. Operator Definitions Added to DSIOPF

Operator Definition	DSIOPF Statements		
DVIPA polling services autotask	AUTDVIPA	OPERATOR PROFILEN	PASSWORD=AUTDVIPA DSIPROFC
NetView for z/OS Tivoli Enterprise Portal Agent autotask	AUTONA	OPERATOR PROFILEN	PASSWORD=AUTONA DSIPROFC
	NATEP1	OPERATOR PROFILEN	PASSWORD=NATEP1 DSIPROFC
	NATEP2	OPERATOR PROFILEN	PASSWORD=NATEP2 DSIPROFC
	SYSADMIN	OPERATOR PROFILEN	PASSWORD=SYSADMIN DSIPROFC
Tivoli NetView for z/OS Enterprise Management Agent autotask	AUTONALC	OPERATOR PROFILEN	PASSWORD=AUTONALC DSIPROFC
	AUTODC1	OPERATOR PROFILEN	PASSWORD=AUTODC1 DSIPROFN
	AUTODC2	OPERATOR PROFILEN	PASSWORD=AUTODC2 DSIPROFN
	AUTODC3	OPERATOR PROFILEN	PASSWORD=AUTODC3 DSIPROFN
	AUTODC4	OPERATOR PROFILEN	PASSWORD=AUTODC4 DSIPROFN
	AUTODC5	OPERATOR PROFILEN	PASSWORD=AUTODC5 DSIPROFN
	AUTODC6	OPERATOR PROFILEN	PASSWORD=AUTODC6 DSIPROFN
	AUTODC7	OPERATOR PROFILEN	PASSWORD=AUTODC7 DSIPROFN

If you applied the PTF for APAR OA22729, the following statements were added to the DSIOPF member:

- Conditional include for operator definitions for the IP Management tower if the AON tower is not active:

```
%>IF TOWER('IPMGT') & ¬TOWER('AON') THEN
  %INCLUDE FKXOPFIP
```

Additionally, the following operator definition was added:

Table 31. Operator Definition Added to DSIOPF

Operator Definition	DSIOPF Statements		
IP management services (AUTIPMGT) autotask	AUTIPMGT	OPERATOR PROFILEN	PASSWORD=AUTIPMGT DSIPROFC

FKXOPFIP

With APAR OA22729, the FKXOPFIP member is used when the IPGMT tower is enabled. This member is not used if the AON component is enabled. Because of

> this, operator definitions defined in FKXOPFIP duplicate some of the operator
> definitions in the EZLOPF and FKXOPF members.

> However, the following operator definitions are new:

> *Table 32. Operator Definitions Added to DSIOPF*

Operator Definition	DSIOPF Statements
IP management services autotasks	AUTIPM*x* OPERATOR PASSWORD=AUTIPM*x* PROFILEN EZLPRFAO

DSITBL01

DSITBL01 contains sample automation table definitions. Some %INCLUDE statements and associated statements to start automation have been replaced by entries in CNMSTYLE. If you have modified DSITBL01, merge your changes with the version of DSITBL01 that is shipped with this NetView release. After making changes, renumber the NetView automation table. When the NetView automation table processes a message and finds a match that results in a command or command list being run, it writes NetView message CNM493I to the NetView log file. Message CNM493I contains the line number of the automation table entry matched.

Several NetView-supplied messages have changed with the V5R3 program. These messages are listed in the appendices. Review the list and make any necessary changes to your automation table.

If your primary automation table name is not DSITBL01, update CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to include an AUTOCMD statement for your automation table. For more information on the AUTOCMD statement, refer to the *IBM Tivoli NetView for z/OS Administration Reference*.

DSIW3PRF

This sample contains TCP/IP session properties.

This sample has moved from the DSIPRF member to the DSIPARM member.

DUIFPMEM

DUIFPMEM is a member of DSIPARM that contains TCPIP initialization statements for the CNMTAMEL task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R3 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect any changes you have made. Do not modify the DATA REXX version of DUIFPMEM.

FKXCFG01

DSIPARM member FKXCFG01 contains configuration information for AON.

TCP390 policy information was moved from FKXCFG01 to CNMPOLCY. Move any TCP390 statements in FKXCFG01 to the CNMPOLCY member. Review your other AON configuration members (for example EZLCFG01 and FKVCFG01) and any additional members that you included to find other TCP390 statements. Move all TCP390 statements to CNMPOLCY.

The following table shows the TCP390 DVIPA parameters that were changed:

Table 33. TCP390 DVIPA Parameter Changes

Old parameter	New parameter/statement
TCP390 DVIPA parameter	TCP390 DVIPADAT parameter
TCP390 MAXDVIPA parameter	COMMON.CNMSTYLE. DVIPAMAX statement in CNMSTYLE

Previously the MAXDVIPA parameter was specified for each TCP/IP stack. Beginning with V5R2, this value is specified once for each NetView domain in CNMSTYLE.

The IPSTAT keyword on the TCP390 statement was deleted with APAR OA22729.

FKXSCM

This sample should only contain community names for IP resources that are not TCP/IP stacks. Move any community names for your TCP/IP stacks into the CNMSCM sample.

RODM Address Space

The samples in this section list changes for the RODM address space.

EKGLOADP

EKGLOADP is the sample RODM load procedure JCL.

Make the following changes to EKGLOADP:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. To set the ROUTECODE parameter, add the following statement after the COPIES parameter in the PROC statement. When you add this parameter, add a comma after the COPIES parameter.

   ```
   //            ROUTECDE=1
   ```

3. Add the &ROUTECDE variable to the NetView EXEC statement, as shown:

   ```
   //LOADRODM EXEC PGM=EKGLOTLM,
   //         PARM=('OPERATION=&OPER,LOAD=&LOAD,NAME=&RODMNAME',
   // 'LISTLEVEL=&LISTL,SEVERITY=&SEVERITY,ROUTECODE=&ROUTECDE')
   ```

   As a result of the addition of the ROUTECODE parameter, you also need to update the JCL procedure EKGLLOAD to specify &ROUTECDE when calling EKGLOADP.

EKGSI101

EKGSI101 is used for allocating the RODM log and checkpoint databases. This sample is used by sample job CNMSJ004.

If you allocated RODM checkpoint data sets for fewer than the maximum number of windows supported by RODM and the estimated number of objects that you expect to store in the RODM data cache exceeds the previous maximum supported number (approximately 524,000 objects), consider increasing the size of the RODM checkpoint databases.

EKGXRODM

EKGXRODM is the RODM start procedure.

Make the following changes to EKGXRODM:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. Add the following ROUTECDE parameter after the SUBSYM parameter:

```
//        SUBSYM=*SUBSYM,        ** SYMBOL SUBSTITUTION OPTION
//        ROUTECDE=1             ** ROUTE CODE FOR WTO/WTOR
```

4. Add the &ROUTECDE variable to the START EXEC statement, as shown:

```
//START    EXEC PGM=EKGTC000,REGION=0K,TIME=1440,
// PARM='&TYPE,&NAME,&INIT,&CLRSSB,&CUST,&ARM,&SUBSYM,&ROUTECDE'
```

5. The EKGCUST DD statement has changed to include a user DSIPARM data set:

```
//EKGCUST  DD DSN=&Q1..CNM01.DSIPARM,DISP=SHR
//         DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

6. If you have not installed the Language Environment for OS/390 runtime library in LNKLST*xx* or PROG*xx*, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ runtime libraries because these libraries are no longer being used.

GMFHS Address Space

The samples in this section list changes for the GMFHS address space.

CNMGMFHS (CNMSJH10)

CNMGMFHS (CNMSJH10) is the GMFHS start procedure.

Make the following changes to CNMGMFHS:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. Add the following ROUTECDE parameter after the SUBSYM parameter:

```
//             SUBSYM=*SUBSYM, ** SYMBOL SUBSTITUTION
//             ROUTECDE=1    ** ROUTE CODE FOR ALL WTO'S
```

4. Add the &ROUTECDE variable to the STEP1 EXEC statement, as shown:

```
//STEP1    EXEC PGM=&PROG,REGION=&REG,TIME=1440,
// PARM='&AGGRST,RESWS=&RESWS,DOMAIN=&DOMAIN,ARM=&ARM,SUBSYM=&SUBSYM,  *
//              ROUTECDE=&ROUTECDE'
```

5. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//STEPLIB  DD DSN=&SQ1..SEKGMOD1,DISP=SHR
```

   to

```
//STEPLIB  DD DSN=&SQ1..CNMLINK,DISP=SHR
```

6. If you are using the RODM component and are migrating from a previous release, change the following statement from:

```
//EKGLUTB  DD DSN=&SQ1..SEKGLUTB,DISP=SHR
```

   to

```
//EKGLUTB  DD DSN=&SQ1..CNMSAMP,DISP=SHR
```

DUIGINIT

DUIGINIT is the initialization member for GMFHS. It contains the initialization statements for the GMFHS host main task. These statements are system-controlling constants that are read when GMFHS is initialized. You can use symbols in DUIGINIT if symbolic substitution is enabled on your system. Ensure that the symbols are defined in member IEASYMxx of SYS1.PARMLIB.

The DOMAIN statement has been commented out in the default DUIGINIT member. The preferred approach is to use the DOMAIN symbolic variable in the GMFHS start procedure (CNMGMFHS). If the default values that are provided in the NetView-supplied DUIGINIT member are acceptable for your environment, consider using the default DUIGINIT member.

Event/Automation Service Address Space

The sample in this section lists changes for the Event/Automation Service address space.

IHSAEVNT

IHSAEVNT starts the Event/Automation Service address space. Make the following changes to IHSAEVNT in your PROCLIB:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. Add the following ROUTECDE parameter after the OUTSIZE parameter:

   ```
   //            ROUTECDE=1,    ** ROUTE CODE FOR ALL WTO'S
   ```

3. Add the following &ROUTECDE variable after the &OUTSIZE variable:

   ```
   INITFILE=&INITFILE OUTSIZE=&OUTSIZE ROUTECDE=&ROUTECDE
   ```

Additional Considerations

Consider changes to the following functions:

- BROWSE Facility
- UNIX system services
- NetView Web application
- DVIPA Support
- System symbolic variables
- IPv6 Support

BROWSE Facility

A new DEFAULTS setting called LBHOURLY controls whether the hourly-statistics messages CNM154I, CNM155I, and CNM156I are posted to the network log. In previous releases, these hourly statistics messages were posted to the network log automatically, without an option to prevent them from being posted. The default setting for LBHOURLY is NO, as set by the DEFAULTS.LBHOURLY statement in CNMSTYLE. To continue receiving these hourly statistcs messages in the network log, add a DEFAULTS.LBHOURLY statement to CNMSTUSR or C*xx*STGEN and set its value to YES.

UNIX System Services

The following section describes the directories, configuration files, and functions that have changed from NetView V5R1 to NetView V5R3. Also review the section in "Preparing UNIX System Services" on page 15.

The NetView MIB collection has moved from the /usr/lpp/netview/v5r1/mibs/ directory to the /usr/lpp/netview/v5r3/mibs/ directory. Make sure your MIBPATH statement in CNMSTYLE points to the mib directory in the current release.

NetView Web Application

Uninstall the current version of your NetView Web application and reinstall the V5R3 version of the NetView Web application. For details, refer to the *netview_installation_dir*/doc/znetview_webapp_readme_en.htm file and the *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components* manual.

For APAR OA22729, you can obtain updated files for the NetView for z/OS Web application at the NetView for z/OS Web site:

http://www.ibm.com/software/sysmgmt/products/support/IBMTivoliNetViewforzOS.html

DVIPA Support

DVIPA support is no longer a function of AON. It is an independent function of base NetView. To enable this support, uncomment the DVIPA tower in CNMSTYLE.

The default polling interval has changed from 10 minutes to 1 hour. You can change this polling interval by using the COMMON.CNMSTYLE.DVIPAINTVL statement in CNMSTYLE.

Use of Symbolic Variables in Parameter Files

The NetView program uses the following system variables from SYS1.PARMLIB in parameter files CNMSTYLE , DUIGINIT, and FLBSYSD:

Table 34. Symbolic Variable Usage by Initialization Members

Member	Task	TCP/IP NAME	RODM NAME	NETID
		&CNMTCPN	&CNMRODM	&CNMNETID
CNMSTYLE	NetView initialization	X	X	X
DUIGINIT	GMFHS (Graphics)		X	
FLBSYSD	SNA Topology manager		X	

&DOMAIN is an additional NetView user symbolic variable and is used in the following parameter files:

- CNMSCBET
- CNMSMRT1
- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTUSR
- CNMSTYLE

- DSIAMIAT
- DSIAMII
- DSITBL01
- DSIVPARM
- FKXWHTML
- FLBSYSD

IPv6 Support

By default, the NetView program supports both IPv4 and IPv6 addressing. However, you can limit the NetView program to one addressing family using the IPv6Env environment statement in CNMSTYLE. For information about the IPv6Env statement, see the *IBM Tivoli NetView for z/OS Administration Reference*. See also Appendix G, "Differences Between IPv4 and IPv6 Addresses," on page 205 for more information.

Chapter 6. Migrating from Tivoli NetView for z/OS Version 5 Release 2

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from the Tivoli NetView for z/OS Version 5 Release 2. The migration information is based on the NetView components as shipped with the initial release of V5R3. You can either add the V5R3 content into your V5R2 NetView definitions, or add your V5R2 customization to the default V5R3 members supplied with the NetView program. Either way, place the customized member into an appropriate user-allocated data set such as NETVIEW.V5R3USER.CNM01.DSIPARM. Do not customize members in the SMP/E-managed data sets such as NETVIEW.V5R3M0.DSIPARM.

> **Note:** Additional migration information has been added to this chapter that relates
> to APAR OA22729.

Several factors can influence the method you use when migrating your NetView definition members. Factors such as the size and complexity of your network, security policies that must be followed, and established practices within your business can all influence what is the best method for your migration. The checklist that follows details the documented method of migration as outlined in this book and supported by other books in the NetView library. Choose the method of migration that is best for you.

Perform the following steps to migrate your V5R2 definitions:

1. Allocate a new set of V5R3 user data sets by running sample job CNMSJ002. You needed to have done this when you completed the steps in Table 11 on page 16.
2. Define a unique &NV2I value (*xx*) for each NetView domain.
3. Review your customized V5R2 copy of CNMSTYLE. Move all of your domain-specific customization of your V5R2 CNMSTYLE into C*xx*STGEN and all of your system-wide customization of your V5R2 CNMSTYLE into CNMSTUSR. Do not copy your V5R2 CNMSTYLE member into the V5R3 user DSIPARM data set.
4. Review the CNMSTYLE information in this chapter and the V5R3 CNMSTNXT member shipped with the NetView program. Place any domain-specific customization of CNMSTYLE into C*xx*STGEN and any system-wide customization of CNMSTUSR. Do not modify the V5R3 default CNMSTYLE member.
5. Review the remaining information in this chapter, and migrate your V5R2 NetView definition members and JCL procedures as appropriate, placing only those members that have been modified into the V5R3 user data sets.

Figure 10 on page 104 shows the NetView V5R3 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

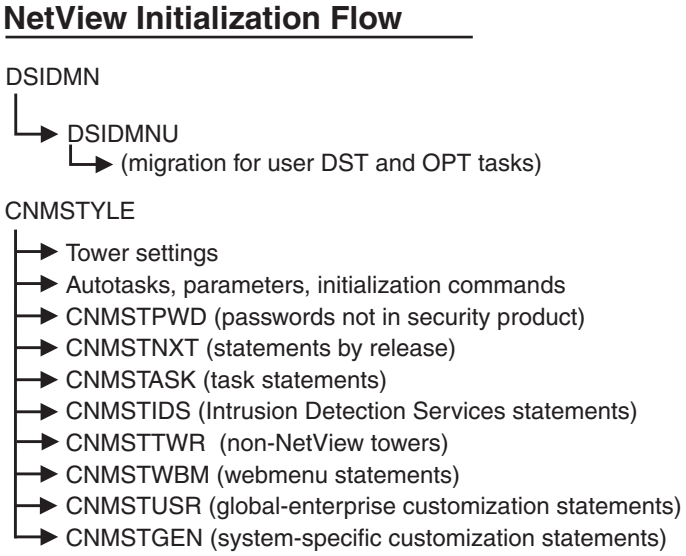


Figure 10. NetView V5R3 Initialization Flow

When you finish with this chapter, continue with Chapter 7, "Getting Ready to Start NetView," on page 117.

If you want information about...	Refer to...
Changes including panels, commands, messages, and samples	Appendix D, "Changes from Tivoli NetView for z/OS Version 5 Release 2 to Tivoli NetView for z/OS Version 5 Release 3," on page 189

New Samples

Table 35 lists new samples to review during migration.

Table 35. List of New Samples

Distributed As	Name	Description	Data Set Name
CNMIPMGT	same	Automation policy for NetView IP management	DSIPARM
CNMSDVIP	same	This sample displays the DVIPA definition and status data. It formats the DVIPSTAT command output (BNH846I message) into a user-friendly format.	CNMSAMP
CNMSDVPC	same	This sample displays the DVIPA connection data. It formats the DVIPCONN command output (BNH849I message) into a user-friendly format.	CNMSAMP
CNMSEMAA	same	Automation table member for the NetView for z/OS Enterprise Management Agent	DSIPARM
CNMSJEMA	same	Allocates and copies a user INSTLIB data set used for starting the configuration tool for the NetView for z/OS Enterprise Management Agent	CNMSAMP

Table 35. List of New Samples (continued)

Distributed As	Name	Description	Data Set Name
CNMSPLEX	same	This sample displays the DVIPA sysplex distributor data. It formats the DVIPPLEX command output (BNH847I message) into a user-friendly format.	CNMSAMP
CNMSSTAC	same	This sample displays the TCP/IP stack configuration and status data. It formats the STACSTAT command output (BNH845I message) into a user-friendly format.	CNMSAMP
CNMSTARG	same	This sample displays the DVIPA distributor target and DVIPA workload by port data. It formats the DVIPTARG command output (BNH848I and BNH850I messages) into a user-friendly format.	CNMSAMP
CNMTRAPI	same	Contains the data services task initialization parameters required for an SNMP trap automation task	DSIPARM
DSIPROFN	same	Automated operator profile for the NetView for z/OS Enterprise Management Agent data collection autotasks (AUTODC*n*)	DSIPRF
FKXIPMTB	same	Configuration data for NetView IP management automation	DSIPARM
FKXOPFIP	same	Operator definitions for NetView IP management automation	DSIPARM

VTAM Address Space

The samples in this section list changes for the VTAM address space.

A01APPLS (CNMS0013)

This member contains the application (APPL) major nodes coded for the NetView program.

If you did not reallocate and recopy the VTAMLST data sets, make the following changes to A01APPLS:

- Either set the domain ID (system variable &CNMDOMN) in SYS1.PARMLIB member IEASYM*xx* or change *every* occurrence of &CNMDOMN. in A01APPLS (CNMS0013) to the current domain ID.
- If you are not using the status monitor preprocessor, you can replace the APPL statements defining tasks for multiple concurrent NetView operators with one APPL statement using wildcard characters (??), for example:

```
&CNMDOMN.0?? APPL  AUTH=(NVPACE,SPO,ACQ,PASS),PRTCT=&CNMDOMN.,     X
               EAS=4,MODETAB=AMODETAB,DLOGMOD=DSILGMOD
```

- If you are not using the status monitor preprocessor, you can replace the TAF APPL statements with one APPL statement using wildcard characters (??) following the LU name, for example:

```
TAF010?? APPL  MODETAB=AMODETAB,EAS=9,       X
               DLOGMOD=M3767
```

APPL names defined for use by other applications (such as TAF) must not be defined with the same naming scheme as terminal logon APPLs (for example, the domain name followed by a 3-character suffix). Doing so can cause these application names to be used by the NetView program for terminal logons, which can make the application names unavailable for the purpose for which they were defined.

CNMNET (CNMSJ008)

CNMNET (CNMSJ008) is the start procedure for the VTAM program.

Change CNMNET in your PROCLIB in the following way:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.

NetView Address Space

The samples in this section list changes for the NetView address space.

CNMIPMGT

DSIPARM member CNMIPMGT is a new sample that contains IP management policy definitions. It is included by the CNMPOLCY member. This sample was added with APAR OA22729.

CNMPOLCY

CNMPOLCY contains the automation policy for the NetView program.

Make the following changes to CNMPOLCY in DSIPARM:

1. If you want to collect DVIPA data from the stack, add a DVIPADAT keyword on the TCP390 statement and set the value to Y (Yes).
2. The IPSTAT keyword on the TCP390 statement was deleted with APAR OA22729.
3. If you applied the PTF for APAR OA22729, add the following statement for IP management:

```
%>IF TOWER('IPMGT') & ¬TOWER('AON.TCP') THEN
%INCLUDE CNMIPMGT
```

CNMPROC (CNMSJ009)

CNMPROC (CNMSJ009) is the start procedure for the NetView program.

Make the following changes to CNMPROC in your PROCLIB:

1. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
2. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
3. You might need to increase the region size depending on the components you are running. For more information, refer to the *IBM Tivoli NetView for z/OS Tuning Guide*.

4. If you plan to run Language Environment (LE) HLL programs with the NetView program, and did not install the LE runtime library in the LNKLSTxx, be sure the library name in the STEPLIB of CNMPROC is correct and uncommented.

CNMPSSI (CNMSJ010)

CNMPSSI (CNMSJ010) starts the NetView subsystem address space.

Make the following changes to CNMPSSI in your PROCLIB:

1. Ensure that the high-level qualifier for system data sets points to NETVIEW.V5R3M0.

Beginning with z/OS v1r8, the QUESSI, QSSIAT, and USESSI values for MSGIFAC are not supported.

CNMSAF2

DSIPARM member CNMSAF2 contains sample RACF definitions for NetView operators and commands.

Make the following changes to CNMSAF2:

1. Add the following users:

```
ADDUSER AUTONALC
ALTUSER AUTONALC NETVIEW(MSGRECVR(NO) CTL(GLOBAL))
```

2. Add the following statements under ADDGROUP NVOPS1:

```
/*********************************************************************
/* Operators listed in this group are permitted to do many (but not
/* all) restricted NetView commands.
/*********************************************************************
CONNECT  AUTODC1  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC2  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC3  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC4  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC5  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC6  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTODC7  GROUP(NVOPS1) UACC(READ)
CONNECT  AUTDVIPA GROUP(NVOPS1) UACC(READ)
```

3. Add the following statement under ADDGROUP NVOPS2:

```
/*********************************************************************
/* Operators listed in this group are permitted to do any commands.
/*********************************************************************
CONNECT  AUTDVIPA GROUP(NVOPS2) UACC(READ)
```

4. Add the following statement under ADDGROUP NAOPS1:

```
/*********************************************************************
/* Operators listed in this group are permitted to issue the
/* NACMD command.
/*********************************************************************
CONNECT  AUTONALC GROUP(NAOPS1) UACC(READ)
```

5. Add the following statements under SETROPTS GENERIC(NETCMDS):

```
RDEF NETCMDS *.*.CNME7204.LISTOPID     UACC(NONE)
RDEF NETCMDS *.*.CNME7204.LISTCONN     UACC(NONE)
RDEF NETCMDS *.*.CNME7204.START        UACC(NONE)
RDEF NETCMDS *.*.CNME7204.STOP         UACC(NONE)
RDEF NETCMDS *.*.CNME8200              UACC(NONE)
RDEF NETCMDS *.*.CNME8205              UACC(NONE)
RDEF NETCMDS *.*.CNME8210              UACC(NONE)
RDEF NETCMDS *.*.CNME8211              UACC(NONE)
RDEF NETCMDS *.*.CNME8212              UACC(NONE)
```

```
RDEF NETCMDS *.*.CNME8213              UACC(NONE)
RDEF NETCMDS *.*.CNME8221              UACC(NONE)
RDEF NETCMDS *.*.CNME8225              UACC(NONE)
RDEF NETCMDS *.*.OVERRIDE.SLOGCMDR.*   UACC(NONE)
:
PE *.*.CNME7204.LISTOPID    CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.LISTCONN    CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.START       CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME7204.STOP        CLASS(NETCMDS) ID(NAOPS1) ACCESS(READ)
PE *.*.CNME8205             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8210             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8211             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8212             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8213             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8221             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.CNME8225             CLASS(NETCMDS) ID(NAOPS2) ACCESS(READ)
PE *.*.OVERRIDE.SLOGCMDR.*  CLASS(NETCMDS) ID(NVOPS1) ACCESS(READ)
```

CNMSCAT2

DSIPARM member CNMSCAT2 contains the sample command authorization table.

Make the following changes to CNMSCAT2:

1. Update the following statements:

```
*************************************************************************
* Users listed in this group are allowed to do most restricted        *
* commands.                                                           *
*************************************************************************
GROUP   NVOPS1   NETOP1,NETOP2,OPER1,OPER2,OPER3,AUTO1,AUTO2
GROUP   NVOPS1   DBAUTO1,DBAUTO2,DSILCOPR,AUTDVIPA,AUTODC1
GROUP   NVOPS1   AUTODC2,AUTODC3,AUTODC4,AUTODC5,AUTODC6,AUTODC7
```

2. Update the following statement:

```
*************************************************************************
* Users listed in this group are allowed to do any commands,          *
* provided they are also in the NVOPS1 group above.                   *
/*************************************************************************
GROUP   NVOPS2   NETOP1,NETOP2,AUTO1,AUTO2,AUTDVIPA
```

3. Update the following statement:

```
*************************************************************************
* Users listed in this group are allowed to do issue the NACMD cmd.   *
*************************************************************************
GROUP   NAOPS1   AUTONA,NETOP1,NETOP2,AUTO1,AUTO2,AUTONALC
```

4. Add the following PROTECT statements:

```
PROTECT          *.*.CNME7204.LISTOPID
PROTECT          *.*.CNME7204.LISTCONN
PROTECT          *.*.CNME7204.START
PROTECT          *.*.CNME7204.STOP
PROTECT          *.*.CNME8200
PROTECT          *.*.CNME8205
PROTECT          *.*.CNME8210
PROTECT          *.*.CNME8211
PROTECT          *.*.CNME8212
PROTECT          *.*.CNME8213
PROTECT          *.*.CNME8221
PROTECT          *.*.CNME8225
PROTECT          *.*.CNMEAUTB
PROTECT          *.*.OVERRIDE.SLOGCMDR
```

5. Add the following PERMIT statements:

```
PERMIT  NAOPS1   *.*.CNME7204.LISTOPID
PERMIT  NAOPS1   *.*.CNME7204.LISTCONN
PERMIT  NAOPS1   *.*.CNME7204.START
PERMIT  NAOPS1   *.*.CNME7204.STOP
```

```
PERMIT  NAOPS2   *.*.CNME8205
PERMIT  NAOPS2   *.*.CNME8210
PERMIT  NAOPS2   *.*.CNME8211
PERMIT  NAOPS2   *.*.CNME8212
PERMIT  NAOPS2   *.*.CNME8213
PERMIT  NAOPS2   *.*.CNME8221
PERMIT  NAOPS2   *.*.CNME8225
PERMIT  NVOPS2   *.*.CNMEAUTB
PERMIT  NVOPS1   *.*.OVERRIDE.SLOGCMDR
```

6. Remove the following statements:

```
PROTECT          *.*.DSIPIAS
PERMIT  NVOPS2   *.*.DSIPIAS
```

CNMSCM

This sample includes community names for TCP/IP stacks.

FKXSCM

This sample should only contain community names for IP resources that are not TCP/IP stacks. Move any community names for your TCP/IP stacks into the CNMSCM sample.

CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN instead of modifying individual samples as in prior releases of the NetView product. CNMSTYLE is designed to simplify the NetView initialization process.

The CNMSTYLE and dependent members replace some of the definition statements in DSIPARM and all the initialization performed by CNME1034.

CNMSTYLE contains descriptive comments about the types of statements that are included. Read the comments and review the defaults.

The WEBSITE statements defining the URLs and titles for accessing the publications in the Tivoli NetView for z/OS library from the host have been changed. See the CNMSTYLE sample.

The Multisystem Manager NetFinity (NTF) subtower has been removed.

If you applied the PTF for APAR OA22729, the IPMGT (for IP management) tower was added to the TOWER statement.

With APAR OA22729, the COMMON.FKXIPSTAT statement was deleted.

See the CNMSTNXT member for new or changed statements.

The following defaults changed:

Table 36. CNMSTYLE statements

Default	Prior default	Current default
function.autotask.autoip	auto2	autoaon

CNMSTNXT

CNMSTNXT contains statements that are new or changed. Statements are grouped according to version and release level of the NetView product. Review the statements in CNMSTNXT and update CNMSTUSR or C*xx*STGEN as necessary.

If you want information about...	Refer to...
CNMSTYLE statements	*IBM Tivoli NetView for z/OS Administration Reference*

DSIOPF

The following operator definitions were added:

Table 37. Operator Definitions Added to DSIOPF

Operator Definition	DSIOPF Statements		
Tivoli NetView for z/OS Enterprise Management Agent autotask	AUTONALC	OPERATOR	PASSWORD=AUTONALC
		PROFILEN	DSIPROFC
	AUTODC1	OPERATOR	PASSWORD=AUTODC1
		PROFILEN	DSIPROFN
	AUTODC2	OPERATOR	PASSWORD=AUTODC2
		PROFILEN	DSIPROFN
	AUTODC3	OPERATOR	PASSWORD=AUTODC3
		PROFILEN	DSIPROFN
	AUTODC4	OPERATOR	PASSWORD=AUTODC4
		PROFILEN	DSIPROFN
	AUTODC5	OPERATOR	PASSWORD=AUTODC5
		PROFILEN	DSIPROFN
	AUTODC6	OPERATOR	PASSWORD=AUTODC6
		PROFILEN	DSIPROFN
	AUTODC7	OPERATOR	PASSWORD=AUTODC7
		PROFILEN	DSIPROFN

If you applied the PTF for APAR OA22729, the following statements were added to the DSIOPF member:

- Conditional include for operator definitions for the IP Management tower if the AON tower is not active:

```
%>IF TOWER('IPMGT') & ¬TOWER('AON') THEN
  %INCLUDE FKXOPFIP
```

Additionally, the following operator definition was added:

Table 38. Operator Definition Added to DSIOPF

Operator Definition	DSIOPF Statements		
IP management services (AUTIPMGT) autotask	AUTIPMGT	OPERATOR	PASSWORD=AUTIPMGT
		PROFILEN	DSIPROFC

FKXOPFIP

With APAR OA22729, the FKXOPFIP member is used when the IPGMT tower is enabled. This member is not used if the AON component is enabled. Because of this, operator definitions defined in FKXOPFIP duplicate some of the operator definitions in the EZLOPF and FKXOPF members.

However, the following operator definitions are new:

Table 39. Operator Definitions Added to DSIOPF

Operator Definition	DSIOPF Statements		
IP management services autotasks	AUTIPM*x*	OPERATOR PROFILEN	PASSWORD=AUTIPM*x* EZLPRFAO

DSITBL01

DSITBL01 contains sample automation table definitions. Some %INCLUDE statements and associated statements to start automation have been replaced by entries in CNMSTYLE. If you have modified DSITBL01, merge your changes with the version of DSITBL01 that is shipped with this NetView release. After making changes, renumber the NetView automation table. When the NetView automation table processes a message and finds a match that results in a command or command list being run, it writes NetView message CNM493I to the NetView log file. Message CNM493I contains the line number of the automation table entry matched.

Several NetView-supplied messages have changed with the V5R3 program. These messages are listed in the appendices. Review the list and make any necessary changes to your automation table.

If your primary automation table name is not DSITBL01, update CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to include an AUTOCMD statement for your automation table. For more information on the AUTOCMD statement, refer to the *IBM Tivoli NetView for z/OS Administration Reference*.

If you applied the PTF for APAR OA22729, modify the Intrusion Detection Services (IDS) function statements in the automation table to check for the presence of the AON tower or the IPMGT tower. The conditional IF statement should look similar to the following example:

```
%>IF TOWER('AON.TCP.IDS') | TOWER('IPMGT.IDS') THEN
%> DO;                              /* AON.TCP.IDS OR IPMGT.IDS */
```

⋮

DSIW3PRF

This sample contains TCP/IP session properties.

This sample has moved from the DSIPRF member to the DSIPARM member.

EZLCMENT

If you applied the PTF for APAR OA22729, several command definitions were moved from EZLCMENT into CNMCMENT so that these commands are available to IPMGT tower processing. If you are using the NetView-supplied versions of EZLCMENT and CNMCMENT, no changes are required. If you modified EZLCMENT, move any changes that you made into CNMCMDU to facilitate future migrations.

FKXCMENT

If you applied the PTF for APAR OA22729, several command definitions have been moved from FKXCMENT into CNMCMENT so that these commands will be available for the IPMGT tower. If you are using the NetView-supplied versions of

> FKXCMENT and CNMCMENT, no changes are required. If you modified
> FKXCMENT, move any changes that you made into CNMCMDU to facilitate
> future migrations.

RODM Address Space

The samples in this section list changes for the RODM address space.

EKGLOADP

EKGLOADP is the sample RODM load procedure JCL.

Make the following changes to EKGLOADP:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.

EKGSI101

EKGSI101 is used for allocating the RODM log and checkpoint databases. This sample is used by sample job CNMSJ004.

If you allocated RODM checkpoint data sets for fewer than the maximum number of windows supported by RODM and the estimated number of objects that you expect to store in the RODM data cache exceeds the previous maximum supported number (approximately 524,000 objects), consider increasing the size of the RODM checkpoint databases.

EKGXRODM

EKGXRODM is the RODM start procedure.

Make the following changes to EKGXRODM:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.
3. If you have not installed the Language Environment for OS/390 runtime library in LNKLST*xx* or PROG*xx*, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ runtime libraries because these libraries are no longer being used.

GMFHS Address Space

The samples in this section list changes for the GMFHS address space.

CNMGMFHS (CNMSJH10)

CNMGMFHS (CNMSJH10) is the GMFHS start procedure.

Make the following changes to CNMGMFHS:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R3USER.

Event/Automation Service Address Space

The sample in this section lists changes for the Event/Automation Service address space.

IHSAEVNT

IHSAEVNT starts the Event/Automation Service address space. Make the following changes to IHSAEVNT in your PROCLIB:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R3M0.

Tivoli NetView for z/OS Enterprise Agents

The Tivoli NetView for z/OS Enterprise Management Agent runs with Version 6.1 of the Tivoli Management Services components. This section contains migration information if you currently have one or more Tivoli NetView for z/OS enterprise agents in your environment:

- "NetView for z/OS Tivoli Enterprise Portal Agent Version 5.2.0"
- "NetView for z/OS Tivoli Enterprise Portal V6.1 Agent Version 5.2.5" on page 114

NetView for z/OS Tivoli Enterprise Portal Agent Version 5.2.0

The NetView for z/OS Tivoli Enterprise Portal Agent Version 5.2.0 runs with the OMEGAMON version 3.6.0 environment. The NetView for z/OS Tivoli Enterprise Portal Agent Version 5.2.0 is no longer supported. There is no migration path to move from the existing agent to the Tivoli NetView for z/OS Enterprise Management Agent. To install the Tivoli NetView for z/OS Enterprise Management Agent, refer to *IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*.

For information on upgrading and migrating the Tivoli Enterprise Portal, Tivoli Enterprise Monitoring Server, and Tivoli Data Warehouse, refer to *IBM Tivoli Monitoring Installing and Upgrading OMEGAMON Platform Version 350/360-based Products and Components*.

To uninstall the NetView for z/OS Tivoli Enterprise Portal Agent Version 5.2.0, perform the instructions based on your installation platform.

Note: Stop the IBM Tivoli Monitoring components and Manage IBM Tivoli Monitoring before proceeding.

From the Control Panel on a Windows platform:

1. Select Add or Remove Programs.
2. Select NetView for z/OS Tivoli Enterprise Portal Agent.
3. On the "Modify, repair, or remove the program" window, select the Remove option.

From the $CANDLEHOME/bin directory on a UNIX platform:

1. Issue the following shell script:

   ```
   /uninstall.sh
   ```

2. You are prompted to choose a product to uninstall. Select NetView for z/OS Agent.

Note: Do not install the Tivoli NetView for z/OS Enterprise Management Agent data space files in the OMEGAMON version 3.6.0 environment.

NetView for z/OS Tivoli Enterprise Portal V6.1 Agent Version 5.2.5

The NetView for z/OS Tivoli Enterprise Portal V6.1 Agent runs with Version 6.1 of the Tivoli Management Services components. If you installed the NetView for z/OS Tivoli Enterprise Portal V6.1 Agent, consider moving to the Tivoli NetView for z/OS Enterprise Management Agent. The NetView for z/OS Enterprise Management Agent provides additional functionality and runs in a z/OS address space.

There is no migration path to move from the existing agent to the NetView for z/OS Enterprise Management Agent. Because the NetView for z/OS Tivoli Enterprise Portal V6.1 Agent provides only limited function, you should uninstall the existing agent, then install the NetView for z/OS Enterprise Management Agent.

To uninstall the NetView for z/OS Tivoli Enterprise Portal V6.1 Agent, perform the instructions based on your installation platform.

Note: Stop the IBM Tivoli Monitoring components and Manage IBM Tivoli Monitoring before proceeding.

From the Control Panel on a Windows platform:

1. Select Add or Remove Programs.
2. Select IBM NetView for z/OS Tivoli Enterprise Portal V6.1 Agent.
3. On the "Modify, repair, or remove the program" window, select the Remove option.

From the <install-dir>/bin directory on a UNIX or Linux platform:

1. Issue the following shell script:

   ```
   /uninstall.sh
   ```

2. You are prompted to choose a product to uninstall. Select NetView for z/OS V5R2 Agent.

Additional Considerations

Consider changes to the following functions:

- UNIX system services
- NetView Web application
- IPv6 Support

UNIX System Services

This section describes the directories, configuration files, and functions that have changed from NetView V5R2 to NetView V5R3. Also review the section in "Preparing UNIX System Services" on page 15.

The NetView MIB collection has moved from the /usr/lpp/netview/v5r2/mibs/ directory to the /usr/lpp/netview/v5r3/mibs/ directory. Make sure your MIBPATH statement in CNMSTYLE points to the mib directory in the current release.

NetView Web Application

Uninstall the current version of your NetView Web application and reinstall the V5R3 version of the NetView Web application. For details, refer to the

netview_installation_dir/doc/znetview_webapp_readme_en.htm file and the *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components* manual.

For APAR OA22729, you can obtain updated files for the NetView for z/OS Web application at the NetView for z/OS Web site:

http://www.ibm.com/software/sysmgmt/products/support/IBMTivoliNetViewforzOS.html

IPv6 Support

By default, the NetView program supports both IPv4 and IPv6 addressing. However, you can limit the NetView program to one addressing family using the IPv6Env environment statement in CNMSTYLE. For information about the IPv6Env statement, see the *IBM Tivoli NetView for z/OS Administration Reference*. See also Appendix G, "Differences Between IPv4 and IPv6 Addresses," on page 205 for more information.

Common Event Infrastructure Interface

Beginning with V5R3, the NetView Common Event Infrastructure server application no longer ships with the NetView program and is now shipped as part of WebSphere Application Server V6.1.

With APAR OA22729, you can obtain updated files for the NetView Common Event Infrastructure Client application at the following NetView for z/OS Web site. For the latest installation and configuration information, see the *netview_installation_dir*/doc/nvcei_read.me file.

http://www.ibm.com/software/sysmgmt/products/support/IBMTivoliNetViewforzOS.html

Chapter 7. Getting Ready to Start NetView

When you start the NetView program, you use two START procedures, one for the NetView application (CNMPROC (CNMSJ009)) and one for the NetView subsystem (CNMPSSI (CNMSJ010)). It does not matter which you start first. If you start a second copy of the NetView program, create an additional pair of start procedures whose names are based on a second subsystem name.

Modifying the NetView and Subsystem Application Procedure

Review the copies of CNMPROC (CNMSJ009) and CNMPSSI (CNMSJ010) supplied with the V5R3 samples for the following considerations:

- The name of the PROCLIB member and the PROC statement must begin with the 4-character subsystem name you have defined for running the NetView program. The associated CNMPSSI (CNMSJ010) start procedure must also begin with the same subsystem name. CNMP is used in the sample network.

  Note: If the PROCLIB member name matches an entry in IEFSSN*xx*, use the SUB= parameter with the START command to specify a subsystem other than the MASTER subsystem. Specify a subsystem where SYSIN and SYSOUT are not supported.
- If you start a second copy of the NetView program in the same host, you must use a procedure name that begins with a 4-character subsystem name that is different from the one you have already started.

  Note: Remember to add any 4-character subsystem name to the IEFSSN*xx* member in SYS1.PARMLIB.
- You can adjust the symbolic parameters in the sample CNMPSSI (CNMSJ010) procedure to meet your installation requirements. You can also adjust these parameters using the SSI statement in CNMSTYLE.

Modifying the NetView Startup Procedure

CNMPROC (CNMSJ009) was copied to the PROCLIB when you loaded partitioned data sets during installation. Make the following changes to the NetView startup procedure (CNMPROC):

- Set the value for &NV2I if you are running more than one NetView program on a system or sysplex.
- Change the name of the program that starts NetView if you do not want to use the SVC76 interface for local device alerts.
- Ensure the NetView dispatch priority is adequate.
- Adjust the region size, buffer size and slot size if necessary.
- Ensure that your user-defined data sets are included.
- Ensure that the SYSTCPD statement specifies your TCP/IP control data set.

Defining TCP/IP to the NetView Program

The NetView program provides many services that rely on TCP/IP to communicate with remote applications. To communicate with TCP/IP, each of these services use a program function library, referred to as the TCP/IP MVS sockets library. This makes the NetView application an MVS sockets application.

Any MVS sockets application needs to reference TCP/IP configuration data. The method of accessing this data is defined by the z/OS version of TCP/IP that you are running.

An example SYSTCPD DD statement is provided in the NetView startup procedure to identify the location of TCP/IP configuration data. A SYSTCPD statement is not required for the NetView program, but any MVS sockets application must be able to locate TCP/IP configuration data.

You also need access to z/OS TCP/IP data sets from the NetView start procedure. If the z/OS TCP/IP data sets are not contained in the LNKLST*xx* concatenation, add the following z/OS TCP/IP data sets (which must be APF-authorized) to the STEPLIB DD concatenation:

SEZALINK Executable load modules for concatenation to LINKLIB

SEZALNK2 LB2ADMIN for the NCS administrator

To optimize performance, make these data sets available from the LNKLST*xx* concatenation.

Usage Notes:

1. For each of the TCP/IP services provided by NetView, the stack affinity is specified in the CNMSTYLE file using the TCPname statement. Using this name, NetView sets the stack affinity by specifying it on an INITAPI socket call.
2. Some NetView applications that are not a part of the NetView address space rely on TCP/IP to communicate with remote applications. Some of these applications use the z/OS UNIX sockets library. These applications are therefore z/OS UNIX sockets applications. Information on how these applications reference TCP/IP configuration data is discussed in the books describing those applications. Examples of z/OS UNIX sockets applications are the Event/Automation Service and the UNIX command server.

If you want information about...	Refer to...
MVS sockets applications, SYSTCPD DD statement	*z/OS Communications Server IP Configuration Guide*

Updating CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTUSR or C*xx*STGEN.

The member name for CNMSTYLE is controlled by the value of &NV2I in the NetView start procedure. The NetView default value for &NV2I is NM. If you specify a value for &NV2I (*xx*), NetView reads C*xx*STYLE in DSIPARM for initialization parameters. If this member is not found, NetView reads CNMSTYLE instead. The included member C*xx*STGEN is also resolved using the value of &NV2I for *xx*.

The sample CNMSTYLE member in DSIPARM contains descriptive comments about the types of statements that are included in the member. Read the comments and review the defaults. The sections that follow provide additional details for some of the NetView functions.

If you want information about...	Refer to...
CNMSTYLE Processing	*IBM Tivoli NetView for z/OS Installation: Getting Started*
CNMSTYLE statements	Comments in the CNMSTYLE file and *IBM Tivoli NetView for z/OS Administration Reference*

Customizing CNMSTYLE

Customize CNMSTYLE by making global (enterprise) changes to member CNMSTUSR, and then copying the modified CNMSTUSR to each NetView system.

You can make system-specific changes to %INCLUDE member C*xx*STGEN (where *xx* is the value of &NV2I, initially set to NM). Code all override statements for CNMSTYLE and CNMSTUSR in this member. Duplicate statements found in C*xx*STGEN override earlier statements in CNMSTYLE and CNMSTUSR. You can specify the value of NV2I in the NetView start procedure.

You can use Data REXX in %INCLUDE members for CNMSTYLE. Data REXX is not supported in member CNMSTYLE. Instead, you can define tower and subtower conditions in CNMSTUSR or C*xx*STGEN to control statements in CNMSTYLE.

Note: If you make changes to CNMSTYLE %INCLUDE members while the NetView program is running, the changes become effective when you recycle NetView. For certain types of changes (including hardware monitor, session monitor, Web interface, NetView Resource Manager, visual BLDVIEWS, and various global variable updates), you can use the RESTYLE command to activate these changes without recycling the NetView program. For more information on the types of changes that can be activated in this manner, refer to the *IBM Tivoli NetView for z/OS Command Reference Volume 1* for the RESTYLE command.

If you want information about...	Refer to...
RESTYLE command	*IBM Tivoli NetView for z/OS Command Reference Volume 1*

Using %INCLUDE Members

The following members are included when CNMSTYLE initializes:

%INCLUDE Member
Usage

CNMSTPWD If needed, you can use this member to include VPD, VSAM, and ACB passwords. You can use READSEC to protect CNMSTPWD from being displayed by the BROWSE command.

CNMSTNXT Includes modifiable CNMSTYLE statements by release. CNMSTNXT is commented out in CNMSTYLE. It is provided for documentation purposes only.

CNMSTASK NetView-provided task statements. Do not modify this member. Instead, include any task statements you want to include directly in CNMSTUSR or C*xx*STGEN. The task statements in CNMSTUSR and C*xx*STGEN override those provided in CNMSTASK.

CNMSTIDS Includes Intrusion Detection Services (IDS) statements. Review this member if you are enabling IDS support.

CNMSTTWR Includes style statements from non-NetView towers. Do not edit this member unless specifically instructed by documentation for a tower you are installing.

CNMSTWBM Includes webmenu statements.

CNMSTUSR You can include global (enterprise) definition statements that override statements in CNMSTYLE. Use this member to customize CNMSTYLE. You can use Data REXX logic.

Note: You can also use %INCLUDE in this member to include other members of your choosing.

C&NV2I.STGEN
You can include system-specific definition statements in this member, including Data REXX logic.

Note: You can also use %INCLUDE in this member to include other members of your choosing.

Using Symbolic Variables

Many NetView processes require the RODM name, NetView domain, TCP name, and network ID. CNMSTYLE processing sets local symbolic variables for these names. You can also set system variables for the RODM name, TCP name, and network ID in member IEASYM*xx* in SYS1.PARMLIB. If you choose to set a system variable for the network ID, it must be the same as the value returned by VTAM when NetView opens its ACB.

Table 40. Symbolic Variables in CNMSTYLE

Symbolic Variable	CNMSTYLE Statement
RODM Name	**RODMname** = &CNMRODM. **Note:** This statement is ignored if you are not using RODM.
NetView domain	**DOMAIN**=C&NV2I.01 (NetView-supplied default is CNM01) **Note:** This identifier is the access method control block (ACB) name that is listed on the VTAM APPL statement.
TCP name	**TCPname**=&CNMTCPN.
Network ID	**NetID**=&CNMNETID.

Notes:

1. If you specified the NetView domain ID or password in CNMPROC (CNMSJ009), the DOMAIN or the ACBpassword statements in CNMSTYLE or its included members are not used. They are ignored unless the parameters passed by CNMPROC are null. If the domain password is not specified in CNMPROC (CNMSJ009) or in CNMSTYLE or its included members, the domain name becomes the password.
2. The system symbolic variables set in IEASYM*xx* are enabled for all address spaces. Global variables that you set using CNMSTUSR or C*xx*STGEN only apply to this NetView address space.

Using STYLEVAR

Use STYLEVAR to define variables that can be used anywhere within CNMSTYLE (except for the command phase). You can use these variables to simplify the process of entering repetitious data.

Notes:

1. System symbolic names are not valid names for STYLEVAR variable names.
2. STYLEVAR variable values cannot contain another STYLEVAR variable.

If you want information about...	Refer to...
STYLEVAR statement	Comments in the CNMSTYLE file and *IBM Tivoli NetView for z/OS Administration Reference*

Using the TOWER Statement To Activate NetView Components

NetView components can be activated with TOWER statements. Tower statements are examined earlier in the initialization process than most other variables (for example, common global variables). This is useful, for example, to conditionally control the initialization process.

This is an example of a TOWER statement:

```
TOWER = *SA  *AON  *MSM  *Graphics  MVScmdMgt NPDA NLDM TCPIPCOLLECT
  *AMI *TARA *DVIPA *TEMA *IPMGT
```

Usage Notes:

1. A tower is enabled if it is not preceded by an asterisk. To enable a tower, remove the asterisk (*) before the tower name.
2. To disable a tower, preface the name of the tower with an asterisk.
3. If multiple TOWER statements exist, the last TOWER statement encountered is processed. It is important to remember that modified TOWER statements are not recognized until NetView is restarted.

You can use subtower statements (TOWER.*subtower*) to enable specific components within a tower. These are some examples of subtower statements:

```
TOWER.AON = SNA TCP
TOWER.MSM = LNM IP OPN TMR
TOWER.Graphics = SNATM
TOWER.IPMGT = *ACTMON *IDS
TOWER.TCPIPCOLLECT = TCPCONN PKTS
TOWER.TEMA = *HEALTH *CONNACT *CONINACT *SESSACT *DVDEF *DVTAD *DVCONN
  *SYSPLEX
```

Review the subtower statements associated with the NetView-supplied towers that you enable. To update a subtower statement, copy the subtower statement to CNMSTUSR or C*xx*STGEN. To enable a function, delete the asterisk (*) preceding the function name. To disable a function, add an asterisk (*) preceding the function name.

For tower statements and subtower statements to take effect, you must recycle the NetView program. Because of this, review these statements carefully. If you plan on implementing any of the tower and subtower components, consider enabling the functions during this step in the installation process.

See the following NetView-provided TOWER statements:

Tower	Description
SA	Enables System Automation for z/OS.
AON	Enables network automation (AON component).

Subtower	Description
SNA	SNA automation (AON/SNA) To also enable AON/SNA X.25 support, remove the asterisk (*) from the following statement: `*TOWER.AON.SNA = X25`
TCP	TCP/IP automation (AON/TCP) To also enable Intrusion Detection Services (IDS) support, remove the asterisk (*) from the following statement: `*TOWER.AON.TCP = IDS`

MSM Enables the MultiSystem Manager.

Subtower	Description
LNM	LAN Network Manager feature.
IP	IP feature.
OPN	Open feature.
TMR	Tivoli Managed Resource feature.

GRAPHICS Enables the NetView Management console.

Subtower	Description
SNATM	SNA Topology Manager.

MVScmdMgt Enables MVS command management.

NPDA Enables the hardware monitor.

TARA Enables the 4700 support facility.

NLDM Enables the session monitor.

AMI Enables the Application Management Instrumentation.

TCPIPCOLLECT
Enables the collection of TCP/IP connection and packet trace data from IBM Communications Server.

Subtower	Description
TCPCONN	Enables the collection of TCP/IP connection trace data.
PKTS	Enables the collection of TCP/IP packet trace data.

DVIPA Enables the collection of Dynamic Virtual IP Addressing (DVIPA) definition and status data.

TEMA Enables the NetView program to communicate with the Tivoli NetView for z/OS Enterprise Management Agent.

Usage Note: Do not enable the TEMA tower unless you are installing the Tivoli NetView for z/OS Enterprise

Management Agent. Only enable the TEMA tower on one NetView program for each LPAR.

Subtower	Description
HEALTH	Enables the collection of NetView health data.
CONNACT	Enables the collection active TCP/IP connections.
CONINACT	Enables the collection of inactive TCP/IP connections.
SESSACT	Enables the collection of active sessions. The SESSACT subtower is only supported in one NetView program per LPAR.
DVDEF	Enables the display of DVIPA definition and status data.
DVTAD	Enables the collection of DVIPA sysplex distributors and distributor targets data.
DVCONN	Enables the collection of DVIPA connections.
SYSPLEX	Enables the collection of stack configuration and status data.

IPMGT Enables IP Management

Subtower	Description
ACTMON	Performs active monitoring for IP resources without enabling the AON component (AON tower). Do not enable the ACTMON subtower if you have the AON TCP subtower enabled.
IDS	Enables Intrusion Detection automation without enabling the AON component (AON tower). Do not enable the IDS subtower if you have the AON TCP subtower enabled.

If you want information about...	Refer to...
AON, hardware monitor, session monitor, 4700 support facility	*IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*
MultiSystem Manager subtowers	*IBM Tivoli NetView for z/OS Installation: Configuring Graphical Components*
Tivoli NetView for z/OS Enterprise Management Agent tower and subtowers	*IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*

Setting up Security

You can use the SECOPTS statement to specify:

- Operator security
- Command authority
- Span of control authority
- Web browser access

If you want information about...	Refer to...
Security options	*IBM Tivoli NetView for z/OS Security Reference*

If you want information about...	Refer to...
SECOPTS keywords	*IBM Tivoli NetView for z/OS Administration Reference*

Specifying Commands to Run Automatically When the NetView Program Is Started

To define a command or a command list to run automatically when the NetView program is started, use the auxInitCmd statement in CNMSTUSR or C*xx*STGEN. You can specify any number of commands or command lists to be run. The EBCDIC value following the auxInitCmd keyword determines the order the commands are run.

An example follows:

```
auxInitCmd.A  = MSG SYSOP,Auxiliary commands beginning.
auxInitCmd.AC = RESTORE TIMER
```

In this case, the `MSG SYSOP` command (A) runs before the `RESTORE TIMER` command (AC).

Note: These AuxInitCmd commands run before any commands at any autotask. All commands for autotasks, including both task initial command lists and commands sent by EXCMD, are queued and held up. They run only after all AuxInitCmds have completed. Messages are also queued; they are not submitted to automation nor logged until all AuxInitCmds have completed.

If you want information about...	Refer to...
Creating a command list to run at NetView initialization	*IBM Tivoli NetView for z/OS Programming: REXX and the NetView Command List Language*

Starting the NetView Subsystem Interface

You can start the NetView Subsystem Interface (SSI) by using the SSI.ProcString statement in CNMSTUSR or C*xx*STGEN:

```
SSI.ProcString = CNMPSSI.SS,SUB=MSTR,ARM='*ARM'
```

Specify the procedure name (for example CNMPSSI). The NetView program provides the value for the MSGIFAC parameter and, optionally, for the DSIG and PPIOPT parameters. You can also specify additional start parameters (such as SUB=MSTR) that are required for your installation.

Note: Do not specify the MSGIFAC, PPIOPT, or DSIG parameters on the SSI.ProcString statement because the NetView program might add these parameters during processing. To update these values, use the MVSPARM.MSGIFAC, SSI.PPI, and SSI.DSIG statements.

If you specify *NONE* for SSI.ProcString statement, the CNMCSSIR task does not start the SSI procedure. This is the default.

If you want information about...	Refer to...
Starting the SSI using CNMPSSI	"Modifying the NetView and Subsystem Application Procedure" on page 117

If you want information about...	Refer to...
SSI CNMSTYLE statements	Comments in the CNMSTYLE file and *IBM Tivoli NetView for z/OS Administration Reference*

Specifying Initialization Values for NetView Components

The initialization values for some NetView components are specified in the CNMSTYLE initialization member. Table 41 shows the NetView component, its primary task name, its initialization member in DSIPARM, and the CNMSTYLE statement prefix for its initialization values.

Table 41. NetView Component Initialization

NetView Component	Primary Task Name	Initialization Member	CNMSTYLE Statement Prefix
CNM data transfer	*domid*LUC	DSILUCTD	LUC.*
Get-host-by task	DUIDGHB	DUIIGHB	GHB.*
Hardware monitor	BNJDSERV	BNJMBDST	NPDA.*
IP log	DSIIPLOG	DSIILGCF	IPLOG.*
LU 6.2 communication	DSIUDST	DSIUINIT	RMTINIT.*
NetView Resource Manager	AUTONRM	n/a	NRM.*
Resource status monitor	CNMTAMEL	DUIISFP DUIFPMEM	TAMEL.*
REXEC server	DSIRXEXC	DSIREXCF	REXEC.*
RSH server	DSIRSH	DSIRSHCF	RSH.*
Session monitor	DSIAMLUT AAUTSKLP	DSIAMLTD AAUPRMLP	NLDM.*
TCP/IP alert receiver	DSIRTTR	DSIRTTTD	RTT.*
TCP/IP communication for the NetView 3270 management console	DSITCPIP	DSITCPCF	MCON.*
Tivoli NetView for z/OS Enterprise Management Agent	AUTONALC	n/a	NACMD.*[1]
NetView for z/OS Tivoli Enterprise Portal Agent	AUTONA	n/a	NACMD.*
Visual BLDVIEWS	AUTOVBV	n/a	VBV.*
Web server interface task	DSIWBTSK	DSIWBMEM	WEB.*

Notes:

1. The NACMD.* statements associated with the Tivoli NetView for z/OS Enterprise Management Agent are only processed if the TEMA tower is enabled.

If you want information about...	Refer to...
CNMSTYLE statements	*IBM Tivoli NetView for z/OS Administration Reference*
RESTYLE command	*IBM Tivoli NetView for z/OS Command Reference Volume 1*

If you want information about...	Refer to...
The Tivoli NetView for z/OS Enterprise Management Agent	*IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*

Listing the Active CNMSTYLE Member Name

The common global variable CNMSTYLE.STYLE is set to the name of the CNMSTYLE member read. To list the active CNMSTYLE member, enter:

```
QRYGLOBL COMMON VARS=CNMSTYLE.STYLE
```

Using the CNMSTYLE Report Generator

You can use the CNMSTYLE report generator to analyze CNMSTYLE and its included members. You can use the report that is created to take the following actions:

- List the %INCLUDE structure.
- Analyze multiple occurrences of statements within CNMSTYLE and its included members. Use this to determine which value is used during NetView initialization. For statements that are listed multiple times in the report, the last statement that is listed is the one used for initialization.
- List the CNMSTYLE towers that are enabled.
- Analyze initialization statements for a particular function.

To run the CNMSTYLE report generator, use sample CNMSJCRG in the NETVIEW.V5R3USER.INSTALL data set. This INSTALL data set was created during installation by sample job CNMSJBUP. CNMSJCRG is a job that runs outside of the NetView address space and runs the REXX program CNMECRG under the TSO terminal monitor program.

CNMSJCRG requires the following data sets:

STEPLIB
The NetView CNMLINK data set from the current release, NETVIEW.V5R3M0.CNMLINK.

SYSEXEC
The concatenated data set list of the NetView CNMCLST data sets from the current release.

DSIPARM
The concatenated data set list containing current release versions of CNMSTYLE. Ensure that the data set concatenation order is the same as that specified in the NetView start procedure CNMPROC.

CNMPNL1
The NetView CNMPNL1 data set from the current release, NETVIEW.V5R3M0.CNMPNL1.

DSIWRIT
The output partition data set to which the generated report member is written. The output of the report generator is written as a member of a partition data set. If you use the NetView default naming convention, the data set name is NETVIEW.V5R3USER.CNM01.DSILIST.

The CNMSTYLE report is written to member CNMCRG in the DSIWRIT data set. If member CNMCRG already exists, a backup copy of the existing

CNMCRG member is created and named CNMCRGBK. If member CNMCRGBK already exists, it is overwritten with the existing CNMCRG member.

You can specify keyword parameters in CNMSJCRG. Each keyword parameter and value must be specified on a separate line, just below the CNMECRG command. Do not continue the value onto a second line. All characters typed on a line are interpreted as input to CNMECRG. If a keyword parameter is specified more than once, the first value is used and all subsequent values specified are ignored. Input ends when either a blank line or a /* occurs.

You can specify the following keywords:

TASKS=YES | NO
Specifies whether to include CNMSTASK statements in the report.

YES Includes statements from CNMSTYLE %INCLUDE member CNMSTASK. This is the default value.

NO Does not include CNMSTASK statements.

&NV2I=*xx*
The default value for *xx* is NM. If a value that is not valid is specified, an error message is issued and the default value NM is used in the report. If you use alphabetic characters, the characters are converted to uppercase.

&*symbolic_name***=** *value*
Provides the *value* of a system or NetView symbolic variable (&*symbolic_name*) that you are using in CNMSTYLE or its included members. A symbolic parameter must be passed to CNMECRG to be resolved in the report.

The CNMSTYLE Report Generator, when reading a NetView definition member, cannot resolve symbolic references that refer to a substring of a symbolic variable such as

```
%INCLUDE C&DOMAIN(2:2).STGEN
```

Usage Notes:

1. Precede the *symbolic_name* with an ampersand (&).
2. The *symbolic_name* can optionally include a trailing period (.).
3. Use single quotation marks (' ') if *value* has leading or trailing blanks.
4. Do not specify a value that contains a symbolic variable, such as

   ```
   &AAAAA='C&NV2I.01'
   ```

   or that contains a substring of a symbolic variable, such as

   ```
   &AAAAA='C&DOMAIN(2:2).01'
   ```

The following example shows keyword parameters for CNMECRG within CNMSJCRG:

```
CNMECRG
  TASKS=NO
  &NV2I=NM
  &DOMAIN=CNM01
  &CNMTCPN=TCPIP
  &CNMRODM=RODMNAME
  &CMNETID=NETA
  &MYSYMBL=' A B C '
/*
```

The CNMSTYLE report includes the following sections:

1. General information and CNMSTYLE statements that pertain to all of NetView
2. CNMSTYLE statements that pertain to specific functions of NetView
3. auxInitCmd statements and user-defined statements
4. Data REXX statements within CNMSTYLE

Because the TASKS parameter is set to NO, the report in this example does not include CNMSTASK statements.

The first section of the CNMSTYLE report is shown in Figure 11. This part of the report contains general information related to CNMSTYLE, such as:

- The date and time the report was created
- The &NV2I symbolic variable value being used
- A nested listing of the members included by CNMSTYLE
- A list of the CNMSTYLE towers that are enabled when NetView initializes
- A list of CNMSTYLE statements that apply to base NetView

```
                              CNMSTYLE REPORT

 DATE: 23 Jan 2007
 TIME: 14:09:03

 &NV2I value: NM

 %INCLUDE structure of: CNMSTYLE

     CNMSTYLE
          CNMSTPWD
          CNMSTASK
          CNMSTIDS
          CNMSTTWR
          CNMSTWBM
          CNMSTUSR
            MYINCLUD
          CNMSTGEN

 Enabled Towers:  MVSCMDMGT  NPDA   NLDM   TCPIPCOLLECT

 Statements for function: NetView General

 Member   Line# Indicators   Statement
 -------- ----- ------------ ------------------------------------------
CNMSTYLE   203 Y            DOMAIN = CNM01
CNMSTYLE   291 Y            NetID = NETA
CNMSTYLE   701              TOWER = *SA *AON *MSM *Graphics MVScmdMgt NPDA
                             | NLDM TCPIPCOLLECT *AMI *TARA *DVIPA *TEMA
CNMSTYLE  1346              CNMI = Yes
CNMSTYLE   560              SECOPTS.OPERSEC = NETVPW
CNMSTYLE   574              SECOPTS.SURROGAT = NO
CNMSTYLE   593              SECOPTS.CMDAUTH = TABLE.CNMSCAT2
CNMSTYLE   604              SECOPTS.AUTHCHK = SOURCEID
CNMSTYLE   612              SECOPTS.OPSPAN = NETV
CNMSTYLE   631              SECOPTS.SPANAUTH = *NONE*
     '       '                   '
     '       '                   '
     '       '                   '
```

Figure 11. First section of CNMSTYLE report

The format of the CNMSTYLE statements presented in the generated report includes the following fields:

Member
Member name containing the statement

Line# Line number within the member where the CNMSTYLE statement is located. If a statement is a continuation statement, only the line number where the statement begins is listed.

Indicators
Lists information about the statement. This information is formatted in the following way:

```
R CCCCCC
```

where **R** represents the Resolve indicator and **CCCCCC** represents the Condition indicator:

Resolve
Indicates whether the given CNMSTYLE statement was modified by the report generator. A specification of **Y** indicates that the statement was modified. For example, a symbolic variable was substituted or an autotask statement that uses the question mark (?) feature was resolved.

If the resolve field has no value listed, no modifications were made to the statement.

Condition
Indicates that a condition is required for the listed CNMSTYLE statement to be active, such as a tower that must be enabled. If only one tower is required to be enabled the condition field is set to the required tower name. The first 10 characters of the tower name are listed. If more than one tower must be enabled or if some other condition must be met, the condition field is set to four asterisks (****).

If the condition field has no value listed, no conditions are required for the statement to be active.

Statement
Lists the CNMSTYLE statement and its value. Extra spacing in the statement might be removed, along with any tower conditionals that are found at the beginning of the statement. Statements can be further modified by having values substituted into either the CNMSTYLE keyword or its value.

Values of CNMSTYLE keywords that contain passwords and other values critical to security are identified as a security risk and are listed in the report as four asterisks (****) to prevent unauthorized viewing.

The second section of the report lists CNMSTYLE statements for specific NetView functions. For example, Figure 12 on page 130 lists statements for the hardware monitor (NPDA) component.

If a CNMSTYLE statement applies to multiple NetView functions, that statement is listed for each NetView function to which it applies. For example, the TOWER statement applies to both the hardware monitor and the session monitor, and various other NetView functions.

Within a function, the most critical statements are listed first, followed by less critical statements. NetView functions are presented in the report alphabetically.

```
Statements for function: Hardware Monitor (NPDA)

Member   Line# Indicators   Statement
-------- ----- ------------ ----------------------------------

CNMSTYLE   701              TOWER = *SA *AON *MSM *Graphics MVScmdMgt NPDA
                             | NLDM TCPIPCOLLECT *AMI *TARA *DVIPA *TEMA
CNMSTYLE  1459              TASK.BNJMNPDA.INIT = N
CNMSTYLE  1447              TASK.BNJDSERV.INIT = N

CNMSTYLE  2460              NPDA.ALCACHE = WRAPCNT
MYINCLUD    18   NPDA       NPDA.ALCACHE = 500

CNMSTYLE  2476              NPDA.ALERTFWD = SNA-MDS-LOGONLY
CNMSTYLE  2534              NPDA.ALERTLOG = RANDRANG
CNMSTYLE  2510              NPDA.ALRTINFP.RECORD = Yes
CNMSTYLE  2520              NPDA.ALT_ALERT = DOMAIN
CNMSTYLE  2591              NPDA.AUTORATE = 1
CNMSTYLE  2428              NPDA.DSRBO = 5
CNMSTYLE  2420              NPDA.DSRBU = 5
CNMSTYLE  2628              NPDA.ERR_RATE = 10 50
CNMSTYLE  2435              NPDA.MACRF = LSR
CNMSTYLE  2485              NPDA.MDSIND = Yes
CNMSTYLE  2413              NPDA.PDDNM = BNJLGPR
CNMSTYLE  2441              NPDA.PNA = No
CNMSTYLE  2600              NPDA.PRELOAD_BER = No

CNMSTYLE  2447              NPDA.REPORTS = OFF
CNMSTUSR    14              NPDA.REPORTS = ON

CNMSTYLE  2414              NPDA.SDDNM = BNJLGSE
CNMSTYLE  2455              NPDA.TECROUTE = IHSATEC
MYINCLUD    17   NPDA       NPDA.W.1 = AL 500
CNMSTYLE  1603              function.autotask.HMONdbMaint = DBAUTO2
```

Figure 12. NetView Function Information

The third section of the report lists the auxInitCmd statements and the user-defined statements, as shown in Figure 13 on page 131. The auxInitCmd statements are listed in the order they are encountered in CNMSTYLE and its included members.

The statements listed under User-Defined CNMSTYLE Statements are not recognized by the CNMSTYLE report generator as belonging to a specific NetView function or to general NetView information in the first section of the report. For example, you can define an autotask named OPAAA01 in the following way:

```
%> IF TOWER('NPDA') THEN DO;
function.autotask.MyAutoOp = OPAAA01
%> END;
```

When you do this, the function.autotask.MyAutoOp statement is listed as a user-defined statement as shown in Figure 13 on page 131:

```
auxInitCmd Statements

Member   Line# Indicators   Statement
-------- ----- ------------ ------------------------------------------

CNMSTYLE  3609              auxInitCmd.A = MSG SYSOP,Auxiliary commands beginn
                             |ing.
CNMSTYLE  3612   NLDM       auxInitCmd.SNLDM = STARTCNM NLDM
CNMSTYLE  3613   NPDA       auxInitCmd.SNPDA = STARTCNM NPDA
CNMSTYLE  3614              auxInitCmd.ZDISC = EXCMD ?Policy,CNMEERSC
MYINCLUD    16   NPDA       auxInitCmd.BB = MSG SYSOP,NPDA will be activated

User-Defined CNMSTYLE Statements

Member   Line# Indicators   Statement
-------- ----- ------------ ------------------------------------------------
CNMSTYLE   351              AUTOTASK.?Helper.Console = D761CON
CNMSTYLE   958              AUTOTASK.?APSERV.Console = *NONE*
CNMSTYLE   959              AUTOTASK.?APSERV.InitCmd = APSERV xyz
MYINCLUD    15   NPDA       function.autotask.MyAutoOp = OPAAA01
```

Figure 13. auxInitCmd Statements and User-defined Statements

The fourth section of the report lists Data REXX statements, as shown in Figure 14 on page 132. During report processing, Data REXX statements are ignored. These statements are listed in the report in the order that they are encountered in CNMSTYLE and its included members. Only the first 63 characters of each Data REXX statement are placed in the report. CNMSTYLE statements within a %DATA portion of a Data REXX block that are affected by an IF-THEN statement are also listed to help you understand which CNMSTYLE statements are impacted by your Data REXX statements.

```
Data Rexx Statements

Member   Line# Statement
-------- ----- ------------------------------------------------------------
  '        '       '
  '        '       '
  '        '       '
CNMSTTWR     1 /*%LOGIC REXX ------------------------------------------------
CNMSTTWR     2 /* Licensed Materials - Property of IBM
CNMSTTWR     3    5697-B82 (C) Copyright IBM Corp. 2001
CNMSTTWR     4    All rights reserved.
CNMSTTWR     5
CNMSTTWR     6    US Government Users Restricted Rights - Use, duplication or
CNMSTTWR     7    disclosure restricted by GSA ADP Schedule Contract with IBM
CNMSTTWR     8 /* The one line "commentary" below is needed because empty memb
CNMSTTWR     9    are treated as being "not found."  Appears as I/O error.
CNMSTTWR    10 '* ----- tower member  ----- *'
CNMSTTWR    11 IF TOWER('SA') THEN
CNMSTTWR    12   '%INCLUDE AOFSTYLE'

MYINCLUD     1 /*%DATA REXX ------------------------------------------------

MYINCLUD    13 %> IF TOWER('NPDA') THEN DO;

MYINCLUD    15 function.autotask.MyAutoOp = OPAAA01
MYINCLUD    16 auxInitCmd.BB = MSG SYSOP,NPDA will be activated
MYINCLUD    17 NPDA.W.1 = AL 500
MYINCLUD    18 NPDA.ALCACHE = 500

MYINCLUD    20 %> END;

CNMSTGEN     1 /*%DATA REXX ------------------------------------------------

CNMSTGEN    13 %> IF domain() = 'CNM01' THEN  /* Never true! Data Rexx runs...
CNMSTGEN    14 %>                     /* earlier than resolution of system-sym
CNMSTGEN    15 %>  'STYLEMSG = Illustration only. You will never see this.'

------------------------------------------------------------------------------
```

Figure 14. Data REXX Statements

Note: Only the first 63 characters of each Data REXX statement are displayed.

The following return codes are set by CNMECRG:

0 Successful completion; a file was created in DSIWRIT

4 Minor errors encountered; a file was created in DSIWRIT

8 Major error encountered; a file was not created in DSIWRIT

For non-zero return codes, error messages can be found in the CNMSJCRG job log.

Chapter 8. Verifying the Migration

This chapter leads you through a series of steps to test the NetView program you have just installed. Run the steps in the order presented:

1. Ensure that VTAM has been started.
2. Start the NetView subsystem address space using job CNMPSSI.
3. Start the NetView program using job CNMPROC.
4. Log on to the command facility.
5. From the NetView main menu, enter **HELP** to display the NetView help facility main menu.
6. Press **PF3** twice to go to the command facility, then issue the **help** command to display the command facility help menu.
7. Enter **4** to display a list of command and command lists for which help exists.
8. Press **PF3** twice to return to the command facility, then enter **WHO** to display information about your session.
9. Press the **Enter** key until all data has been displayed, then enter **BR NETLOGA** to browse the active network log.
10. Press **PF3** to return to the command facility, then issue the **NPDA** command to display the hardware monitor main menu.
11. Issue the **ALERTSH** command to display the history of alerts recorded on the hardware monitor data base.
12. Press **PF3** twice to return to the command facility, then issue the **NLDM** command to display the session monitor main menu.
13. Issue the **LIST HISTORY LU** command to display a historical listing of logical units.
14. Press **PF3** twice to return to the command facility, then issue the **LOGOFF** command to end your operator session.

This completes installation and migration of the NetView program with minimum function. To run the NetView program in production, consider the following actions:

- Ensure that the V5R3 modules are active in the system, and that the V5R3 VTAMLIB members are in use by VTAM. This might require an IPL with CLPA before running the NetView program in production.
- Allocate the VSAM for the product LPAR.
- Rerun the status monitor preprocessor CNMNDEF.
- Make sure VTAM is started.
- If you have been running multiple NetView programs in the same LPAR, then make sure that one NetView program is set up as the primary program operator (PPO) and the second NetView is set up as the secondary program operator (SPO). For more information, refer to "Running Multiple NetViews in the Same LPAR" in *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.
- Complete any tuning and customization tasks your system requires. See Table 42 on page 134 for more information.
- If you are using the NetView program for system automation, review your system automation planning and verify that any new operating procedures are ready for implementation.

Verifying the Migration

For each administration task that you have prepared, test to ensure that it has been done correctly. When you are satisfied, the NetView program is ready for full production.

Note: If you resume production under a previous release of the NetView program, cancel the NetView subsystem job and close the V5R3 application.

Table 42. Additional Installation, Configuration, Customization, and Tuning Information

If you want information about...	Refer to...
Updating NetView for your environment	*IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*
Updating NetView for graphics	*IBM Tivoli NetView for z/OS Installation: Configuring Graphical Components*
Writing installation exits	*IBM Tivoli NetView for z/OS Programming: Assembler* or *IBM Tivoli NetView for z/OS Programming: PL/I and C*
Writing command processors	*IBM Tivoli NetView for z/OS Programming: Assembler* or *IBM Tivoli NetView for z/OS Programming: PL/I and C*
The Tivoli NetView for z/OS Enterprise Management Agent	*IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*

Chapter 9. Migrating Graphics

This chapter describes the steps to follow to migrate from NGMF to the NetView management console. The last version of NetView that included NGMF support was NetView V1R4. NetView V5R3 does not allow a NETCONV connection to an NGMF server. Current NGMF users must be upgraded to the NetView management console.

This chapter also describes how to migrate to the NetView V5R3 NetView management console from previous levels of the NetView management console.

Migrating from NGMF to the NetView Management Console

Migration consists of replacing your NGMF graphic data servers and graphic monitor workstations with NetView management console workstations (both console and server). GMFHS requires no modification when a user migrates from NGMF to the NetView management console.

Other migration considerations include:

- Context menu command definitions.

  These include user-defined commands in the Command Profile Editor, and user-defined Command Tree definitions from NGMF to the NetView management console. The NetView program provides a utility to migrate these Command Tree definitions. Refer to the *IBM Tivoli NetView for z/OS NetView Management Console User's Guide* for additional information on this utility. This section also has some tips on migrating the user-defined commands in the Command Profile Editor.
- View customization.

  Any view customization is not migrated. It must be redone.
- NGMF server-based command exits.

  These command exits must be recoded, recompiled, and reinstalled into the NetView management console server.
- NGMF client-based command exits.

  These command exits must be rewritten in Java.

Migrating the NetView Management Console Topology Server and Console

Complete the migration of host NetView V5R3 before migrating the NetView management console topology server and console.

Note: A V5R3 topology server workstation with a NetView V2R4, V3R1, V1R1, V1R2, or V1R3 status focal point host is *not* supported

In NetView V5R3, some of the flows between the NetView management console topology console and the NetView management console topology server were changed, resulting in incompatibility with prior levels. A console at the V5R3 level communicates only with a server at the V5R3 level, and a server at the V5R3 level communicates only with consoles at the V5R3 level. Also, the Java environment for the NetView management console has been upgraded. Therefore, for each server,

you must install the V5R3 level of the NetView management console topology server at the same time you install the V5R3 level of the NetView management console topology console on all consoles that communicate with that server.

See Table 43 for a list of the updated NetView management console installation file names:

Table 43. NetView management console Installation Files

English V5R1	English V5R2
duinmccw.exe	nmc_console_windows-5.2.0.0.exe
nmc_console-5.1-0.0.rpm	nmc_console_linux-5.2-0.0.rpm
duinmccs.tar.Z	nmc_console_solaris-5.2.0.0.tar.Z
duinmcsw.exe	nmc_server_windows-5.2.0.0.exe
nmc_server-5.1-0.0.rpm	nmc_server_zlinux-5.2-0.0.rpm
duinmcsa.img	nmc_server_aix-5.2.0.0.img

If you want information about...	Refer to...
Migrating the NetView management console topology console	egvread1.me
Migrating the NetView management console topology server	egvread2.me

Chapter 10. Migrating the Unattended or Procedural Feature

Beginning with Tivoli NetView for z/OS V5R1, the NetView Unattended and Procedural options are no longer available. If you previously installed the NetView program using the Unattended or Procedural options, use the following steps to migrate to the NetView V5R3 program (Graphical Enterprise option).

Migrating to the Graphical Enterprise NetView program does not require you to run any of the graphical functions of NetView. However, there might be some additional installation steps that are needed to activate the Graphical Enterprise option of NetView. You can skip certain installation steps that are marked as only applying to a graphical function that you do not wish to activate. However, keep in mind that if at some point you decide to activate a graphical function, these installation steps need to be revisited to ensure that all of the necessary setup has been completed.

Table 44 lists the new functions available when you migrate to the NetView V5R3 program.

Table 44. Available New Functions

Function	Procedural	Unattended
GMFHS	•	•
NetView management console	•	•
MultiSystem Manager	•	•
SNA topology manager	•	•
AON		•

RODM is available at the Unattended and Procedural levels of NetView but is mostly utilized by the graphical functions available with the Graphical Enterprise option and therefore might not have not been activated with your Unattended or Procedural NetView.

Any references to VxRx, NETVIEW.VxRxMx, or NETVIEW.VxRxUSER refer to the NetView data sets and release from which you are migrating.

1. Follow the steps in "Chapter 2. Preparing for Migration" on page 7. This chapter describes the steps necessary to prepare the MVS system, UNIX System Services, and the NetView program.
2. Review each member in each of the NETVIEW.VxRxUSER data sets you have customized. The following list shows the NETVIEW.VxRxUSER data sets to be considered for migration:

   NETVIEW.VxRxUSER.&DOMAIN.DSIPARM
   Defines NetView system definitions

   NETVIEW.VxRxUSER.&DOMAIN.DSIOPF
   Defines NetView operator profiles

   NETVIEW.VxRxUSER.&DOMAIN.SDSIOPEN
   Stores non-protected data set members

   NETVIEW.VxRxUSER.&DOMAIN.VTAMLST
   Contains VTAM source definitions for the sample network

NETVIEW.VxRxUSER.&DOMAIN.SEZLPNLU
Contains user modified panels (Procedural migrators only)

3. For each member that you have customized, follow the instructions in the appropriate migration chapter to understand how to migrate that member to the V5R3 release. The migration chapter to which you refer depends upon the release of NetView from which your are migrating. Choose the migration chapter from the following list:
   - Chapter 3, "Migrating from Tivoli NetView for OS/390 Version 1 Release 3," on page 23
   - Chapter 4, "Migrating from Tivoli NetView for OS/390 Version 1 Release 4," on page 55

   Not all of the members listed in the migration chapter apply to the Unattended or Procedural NetView program from which you are migrating.
4. Use the steps that follow and the instructions in the migration chapter to migrate your VxRx customized member. If you cannot find a reference to your customized member in the migration chapter, compare your customized member with the same member in the corresponding NETVIEW.V5R3M0 data set.

   Notes:

   a. If your customized member is not found in the migration chapter or in the NETVIEW.V5R3M0 data set, the member might have been deleted from V5R3. Refer to the deleted samples information in:
      - Appendix A, "Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4," on page 151
      - Appendix B, "Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for z/OS Version 5 Release 1," on page 167

      Additionally, the %INCLUDE structure for some NetView definition members (for example, DSICMD and DSIOPF) might have changed. %INCLUDE members from your release might have been renamed in the NetView V5R3 program.

   b. If the V*x*R*x* sample member has extensive changes to it, use the new V5R3 sample member.

   c. If the V5R3 member includes data REXX logic, use the V5R3 copy of the sample member and place your updates on the corresponding statement in CNMSTYLE %INCLUDE member CNMSTUSR or C*xx*STGEN to reflect your customization. Do not modify the Data REXX sample member.

      Data REXX files begin with either a `/* %DATA */` or `/* %LOGIC */` statement.

   d. If the NETVIEW.VxRxUSER sample member is the same as the NETVIEW.V5R3M0 sample member, except for any customization, copy the NETVIEW.VxRxUSER member to the NETVIEW.V5R3USER data set.
5. After completing the migration of all of your VxRx customized sample members, continue with Chapter 7, "Getting Ready to Start NetView," on page 117. This chapter provides further instructions for configuring and starting the NetView program.
6. Use Chapter 8, "Verifying the Migration," on page 133 to test your migration.

After you have completed your migration, you might want to activate some of the new functions available to you. For more information on implementing AON, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*. For more information on implementing any of the graphics functions, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Graphical Components*. The NetView

graphic functions consist of RODM, GMFHS, Multisystem Manager, SNA topology manager, and the NetView management console.

Chapter 11. Migration Considerations for NetView System Services

Note: Beginning with z/OS v1r8, this section is not supported.

NetView System Services refers to the Tivoli NetView for OS/390 V1R4 FMIDs that ship with z/OS V1R2 or later.

Although similarities exist between the base FMIDs in NetView V5R3 and those shipped in z/OS as NetView System Services (NVSS), the two environments in which they run are different. For this reason they cannot be substituted for one another.

You can install the NetView program in two ways:

- Install the new NetView program into the same SMP/E zones where msys for Operations exists. Read and follow all the instructions listed in Table 45 on page 144 and save your migrated information into separate USER data sets (before doing the SMP/E installation). See "Installing the NetView Program into the Same SMP/E Zone" for more information about this installation.
- Install the new NetView into separate SMP/E zones. This provides migration time because your old working system is available to you while you migrate your old system information. This is the suggested way.

After installing the NetView program into SMP/E zones, update NetView definitions as needed to bring your NetView program to full-function. For information, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started* and Table 45 on page 144.

Installing the NetView Program into the Same SMP/E Zone

If you installed the NetView program into the same SMP/E zones where msys for Operations exists, then complete the following steps after performing the SMP/E receive:

Step 1. Allocate SMP/E target and distribution libraries. For consistency, allocate these data sets to match the data sets in NETVIEW.V1R4M0. See the NetView program directory.

Step 2. Create the DD definitions.

You can create a JCL job or use the SMP/E panels to create DD definitions for the target zone data sets (including the distribution libraries) and the distribution zone data sets.

The target zone data sets include:

DD Name	Data Set Name
ACNMAGNT	netview.v5r3m0.ACNMAGNT
ACNMUXCL	netview.v5r3m0.ACNMUXCL
ACNMUXLK	netview.v5r3m0.ACNMUXLK
ACNMUXMS	netview.v5r3m0.ACNMUXMS
CSSLIB	Varies depending on your system
SCEELKED	Varies depending on your system

| **SCNMAGNT** netview.v5r3m0.SCNMAGNT
| **SCNMLNKN** netview.v5r3m0.SCNMLNKN
| **SCNMPLIB** netview.v5r3m0.SCNMPLIB
| **SCNMUXCL** netview.v5r3m0.SCNMUXCL
| **SCNMUXLK** netview.v5r3m0.SCNMUXLK
| **SCNMUXMS** netview.v5r3m0.SCNMUXMS
| **SEZACMTX** Varies depending on your system
| **SEZADPIL** netview.v5r3m0.SEZADPIL
| **SISPLOAD** Varies depending on your system

The distribution zone data sets include:

DD Name	**Data Set Name**
ACNMAGNT	netview.v5r3m0.ACNMAGNT
ACNMUXCL	netview.v5r3m0.ACNMUXCL
ACNMUXLK	netview.v5r3m0.ACNMUXLK
ACNMUXMS	netview.v5r3m0.ACNMUXMS
CSSLID	Varies depending on your system
SCEELKED	Varies depending on your system
SEZACMTX	Varies depending on your system
SEZADPIL	Varies depending on your system

Step 3. Allocate a Hierarchical File System (HFS) data set.

If you choose not to install NetView UNIX System Services code into your existing HFS data set, then allocate an HFS data set to hold the NetView Enterprise UNIX System Services code. You can use the following example JCL:

```
//CNMALOCE JOB  *** location specific information***
//*************************************************************
//** ALLOCATE A TARGET HFS DATASET TO MOUNT IN YOUR z/390      **
//** UNIX SYSTEM SERVICES ENVIRONMENT.                         **
//** ALLOCATE A TARGET HFS DATASET TO INSTALL YOUR NETVIEW     **
//** CODE INTO                                                 **
//*************************************************************
//ALLOC2  EXEC PGM=IEFBR14
//HFS001     DD DSN=hhhhhh.NETVIEW.V5R3E.HFS, <== TARG HFS DATASET
//           UNIT=SYSALLDA,             <== HFS UNIT TYPE
//           VOL=SER=dddddd,            <== HFS SMS-MANAGED VOLSER
//           SPACE=(CYL,(10,50,0)),
//           DCB=(DSORG=PO),
//           DISP=(NEW,CATLG),
//           DSNTYPE=HFS,
//           STORCLAS=CLASSE             <== STORAGE CLASS
```

Step 4. Create a Hierarchical File System (HFS) mount point directory.

The CNMJMKPE job in NETVIEW.V5R3M0.INSTALL creates the HFS mount point directory, *<path prefix>*/usr/lpp/netview/, which is used to mount your target HFS data set that you might have allocated in Step 3. CNMJMKPE must be run by a user ID that has superuser authority (for example, ROOT) and the UNIX System Services component of z/OS must be active.

Notes:

a. CNMJMKPE assumes that the <*path prefix*>/usr/lpp/ directories already exist. If these directories do not exist, manually create the <*path prefix*>/usr/lpp/ directories before submitting CNMJMKPE.

b. The default <*path prefix*> value that is shipped with NetView V5R3 is null. Remember that path names in UNIX System Services are case sensitive.

Run the CNMJMKPE job. The job is considered successful if return code zero is received.

Step 5. Mount the target Hierarchical File System (HFS) data set. If you chose to install the NetView program into the existing HFS data set supplied by the z/OS, proceed to Step 6.

If you have allocated a new HFS for this release, mount the target HFS data set. Use the following TSO/E command to mount the target HFS data set allocated in Step 3 on page 142 at the mount point directory:

```
MOUNT FILESYSTEM('hhhhhh.NETVIEW.V5R3E.HFS')
      MOUNTPOINT('<path prefix>/usr/lpp/netview/')
      TYPE(HFS)  MODE(RDWR)
```

The '*hhhhhh*.NETVIEW.V5R3E.HFS' is the name of the target HFS data set and <*path prefix*> is the high-level directory name. Ensure to mount the target HFS data set in read/write mode. After the steps in the program directory have been completed, mount the target HFS data set again in read-only mode to protect the data installed. This command must be entered by a user ID that has superuser authority (for example, ROOT) and the UNIX System Services component of z/OS must be active.

Note: If you re-IPL your target system, enter this command again to remount the target HFS data set. To automatically mount the target HFS data set during the IPL process, modify your BPXPRM*xx* member of SYS1.PARMLIB. The instructions for modifying your BPXPRM*xx* member are provided in *IBM Tivoli NetView for z/OS Installation: Getting Started*.

Step 6. Create Hierarchical File System (HFS) directories.

For NetView V5R3, edit and submit sample CNMJMKXE in NETVIEW.V5R3M0.INSTALL, which creates HFS directories for UNIX System Services Related Components in NetView. CNMJMKXE must be run by a user ID that has superuser authority (for example, ROOT) and UNIX System Services component of z/OS must be active.

Run the CNMJMKXE job. The job is considered successful if return code zero is received.

Step 7. Create the DD definition paths. You can create a JCL job or use the SMP/E panels to create DD definitions for the following paths:

- /usr/lpp/netview/v5r3/bin
- /usr/lpp/netview/v5r3/lib
- /usr/lpp/netview/v5r3/mibs
- /usr/lpp/netview/v5r3/samples
- /usr/lpp/netview/v5r3/samples/properties

Step 8. To continue with your SMP/E installation, refer to the SMP/E APPLY section in the *Program Directory for IBM Tivoli NetView for z/OS*.

Note: In your SMP/E APPLY output, you might receive multiple occurrences of message GIM22401I stating that data sets are being deleted. The following message is an example:

```
GIM22401I    LMOD EZLSTRAC WAS DELETED FROM THE SMPLTS LIBRARY
```

This message can be expected because your old NVSS 1.4 members are being deleted. The APPLY succeeds if you receive a return code of zero.

After Installing the NetView Program into SMP/E Zones

Table 45 describes additional considerations for installing NetView V5R3 in an environment where NetView System Services is installed. The examples assume that the System Automation for OS/390 high level qualifier is ING, and that the NetView V5R3 data set names are prefixed by NETVIEW.V5R3M0.

Table 45. Additional Considerations

Installation Topic	Considerations
Preparing the MVS system	**Modifying the maximum number of language process (REXX) environments for NetView** Increase the maximum number of language processor environments that the system initializes for the NetView address space. **Updating member PROG*xx* (or LNKLST*xx* and IEAAPF*xx*)** • Add ING.SINGMOD2 to your LNKLST concatenation. • Authorize ING.SINGMOD1 • Authorize ING.SINGMOD2 **Updating member MPFLST*xx*** Migrate MPFLST information to the new system. For more information, refer to *z/OS Managed System Infrastructure for Operations: Setting Up and Using*. **Updating member IEFSSN*xx*** If you are using procedure INGNVAP0 that is supplied with System Automation for OS/390, ensure ING is added to IEFSSN*xx*. If you are using procedure CNMSJ009 that is supplied with NetView V5R3, following the directions in *IBM Tivoli NetView for z/OS Installation: Getting Started* for updating IEFSSN*xx*. **Updating member COUPLE*xx*** If you are using the coupling facility, migrate information over to the new system. For more information, refer to *z/OS Managed System Infrastructure for Operations: Setting Up and Using*. **Using procedures INGPHOM and INGPIXCU** If you are using procedures INGPHOM and INGPIXCU, copy them to a procedure library on the new system. For more information, refer to *z/OS Managed System Infrastructure for Operations: Setting Up and Using*.

Table 45. Additional Considerations (continued)

Installation Topic	Considerations

Preparing NetView	**Changing the domain and subarea numbers using job CNMSJ000.**
	If you plan to use your existing start-up procedure INGNVAP0, remove or comment out step CHGSAMP2 from job CNMSJ000 to keep it from copying NetView samples. (This includes uncommenting or deleting lines up to but not including the // PEND step). If you plan to use procedure CNMSJ009 that is supplied with NetView V5R3, following the directions in *IBM Tivoli NetView for z/OS Installation: Getting Started* for running job CNMSJ000.
	Allocating VSAM clusters using job CNMSJ004
	In addition to running job CNMSJ004, allocate the STATS VSAM data set using the following job:
	`//INGALLC0 JOB *** location specific information ***`
	`//STEP1 EXEC PGM=IDCAMS`
	`//SYSPRINT DD SYSOUT=*`
	`//SYSIN DD *`
	`/* DELETE (netview.cnm01.STATS) PURGE CLUSTER */`
	`DEF CLUSTER(NAME(netview.cnm01.STATS) -`
	`VOL(dddddd) -`
	`KEYS(20 0) -`
	`RECSZ(252 252) -`
	`FSPC(0 0) -`
	`SHR(2) -`
	`CISZ(512) -`
	`INDEXED -`
	`REUSE -`
	`IMBED) -`
	`DATA -`
	`(NAME(netview.cnm01.STATS.DATA) -`
	`CYL(2 0)) -`
	`INDEX -`
	`(NAME(netview.cnm01.STATS.INDEX) -`
	`TRK(2 0))`
	`//`

Preparing VTAM	Make sure any VTAM customization made for msys for Operations is moved to the new system as necessary.

Table 45. Additional Considerations (continued)

Installation Topic	Considerations

Getting Ready to Start NetView using INGVAP0 **(for msys for Operations and not the full NetView program)**	**Updating the NetView start procedure (INGVAP0)**
	If you only plan to use msys for Operations and not the full NetView program, modify your INGNVAP0 procedure (instead of updating NetView procedure CNMPROC) in the following ways:
	• Update or modify the domain, SQ1, SQ3 (if different), and VQ1.
	• Remove the DD statement for &SQ1..SEKGPNL1.
	• Change the high level qualifiers of &SQ1 and &VSQ1 to NETVIEW for the following DD statements as shown here:
	`//DSILOGP DD DSN=NETVIEW.&DOMAIN..DSILOGP,`
	`// DISP=SHR,AMP='AMORG,BUFNI=20,BUFND=20'`
	`//DSILOGS DD DSN=NETVIEW.&DOMAIN..DSILOGS,`
	`// DISP=SHR,AMP='AMORG,BUFNI=20,BUFND=20'`
	`//DSITRCP DD DSN=NETVIEW.&DOMAIN..DSITRCP,`
	`// DISP=SHR,AMP=AMORG`
	`//DSITRCS DD DSN=NETVIEW.&DOMAIN..DSITRCS,`
	`// DISP=SHR,AMP=AMORG`
	`//BNJLGPR DD DSN=NETVIEW.&DOMAIN..BNJLGPR,`
	`// DISP=SHR,AMP='AMORG'`
	`//BNJLGSE DD DSN=NETVIEW.&DOMAIN..BNJLGSE,`
	`// DISP=SHR,AMP='AMORG'`
	`//DSISVRT DD DSN=NETVIEW.&DOMAIN..DSISVRT,`
	`// DISP=SHR,AMP=AMORG`
	`//AOFSTAT DD DSN=NETVIEW.&DOMAIN..STATS,`
	`// DISP=SHR,AMP=AMORG`
	Note: If you are installing the Japanese version of the NetView program, make the following additional updates to INGNVAP0:
	• Update STEPLIB (add SCNMMJPN):
	`//STEPLIB DD DSN=&SQ3..SINGMOD1,DISP=SHR`
	`// DD DSN=&SQ3..SINGMOD2,DISP=SHR`
	`// DD` **`DSN=&SQ1..SCNMMJPN`**`,DISP=SHR`
	`// DD DSN=&SQ1..CNMLINK,DISP=SHR`
	• Update BNJPNL1 (use SBNJPNL3 instead of BNJPNL1):
	`//*BNJPNL1 DD DSN==&SQ1..BNJPNL1,DISP=SHR`
	`//BNJPNL1 DD` **`DSN=&SQ1..SBNJPNL3`**`,DISP=SHR`
	• Update CNMPNL1 (add SCNMPNL2):
	`//CNMPNL1 DD DSN=&VQ1..&DOMAIN..CNMPNL1,DISP=SHR`
	`// DD DSN=&SQ3..SINGNPNL,DISP=SHR`
	`// DD` **`DSN=&SQ1..SCNMPNL2`**`,DISP=SHR`
	`// DD DSN=&SQ1..CNMPNL1,DISP=SHR`

Table 45. Additional Considerations (continued)

Installation Topic	Considerations

Getting Ready to Start NetView using CNMPROC **(for the full NetView program)**	**Updating the NetView start procedure (CNMPROC)**
	If you plan to use the full NetView program, modify CNMPROC (CNMSJ009), which was copied to PROCLIB when you loaded partitioned data sets during installation (job CNMSJ003), in the following way:
	• Increase the region size by specifying REG=64000.
	• Define a variable &SQ3='ING'.
	• Update STEPLIB:
	`//STEPLIB DD DSN=&SQ3..SINGMOD1,DISP=SHR`
	`// DD DSN=&SQ3..SINGMOD2,DISP=SHR`
	`// DD DSN=&SQ1..CNMLINK,DISP=SHR`
	• Update DSICLD:
	`//DSICLD DD DSN=&SQ3..SINGNREX,DISP=SHR`
	`// DD DSN=&SQ1..CNMCLST,DISP=SHR`
	`// DD DSN=&Q1..&DOMAIN..CNMSAMP,DISP=SHR`
	`// DD DSN=&SQ1..CNMSAMP,DISP=SHR`
	`//* DD DSN=SYS1.PROCLIB,DISP=SHR`
	• Update DSIPARM:
	`//DSIPARM DD DSN=&Q1..&DOMAIN..DSIPARM,DISP=SHR`
	`// DD DSN=&SQ3..SINGNPRM,DISP=SHR`
	`// DD DSN=&SQ1..DSIPARM,DISP=SHR`
	• Update DSIPRF:
	`//DSIPRF DD DSN=&Q1..&DOMAIN..DSIPRF,DISP=SHR`
	`// DD DSN=&SQ3..SINGNPRF,DISP=SHR`
	`// DD DSN=&SQ1..DSIPRF,DISP=SHR`
	• Update DSIMSG:
	`//DSIMSG DD DSN=&SQ3..SINGNMSG,DISP=SHR`
	`// DD DSN=&SQ1..SDSIMSG1,DISP=SHR`
	• Update CNMPNL1:
	`//CNMPNL1 DD DSN=&Q1..&DOMAIN..CNMPNL1,DISP=SHR`
	`// DD DSN=&SQ3..SINGNPNL,DISP=SHR`
	`// DD DSN=&SQ1..CNMPNL1,DISP=SHR`
	• Add a definition for AOFSTAT:
	`//AOFSTAT DD DSN=&VQ1..&DOMAIN..STATS,`
	`// DISP=SHR,AMP=AMORG`
	Note: If you are installing the Japanese version of the NetView program, make the following additional updates to CNMPROC:
	• Update STEPLIB (add SCNMMJPN):
	`//STEPLIB DD DSN=&SQ3..SINGMOD1,DISP=SHR`
	`// DD DSN=&SQ3..SINGMOD2,DISP=SHR`
	`// DD` **`DSN=&SQ1..SCNMMJPN`**`,DISP=SHR`
	`// DD DSN=&SQ1..CNMLINK,DISP=SHR`
	• Update BNJPNL1 (use SBNJPNL3 instead of BNJPNL1):
	`//*BNJPNL1 DD DSN==&SQ1..BNJPNL1,DISP=SHR`
	`//BNJPNL1 DD` **`DSN=&SQ1..SBNJPNL3`**`,DISP=SHR`
	• Update CNMPNL1 (add SCNMPNL2):
	`//CNMPNL1 DD DSN=&Q1..&DOMAIN..CNMPNL1,DISP=SHR`
	`// DD DSN=&SQ3..SINGNPNL,DISP=SHR`
	`// DD` **`DSN=&SQ1..SCNMPNL2`**`,DISP=SHR`
	`// DD DSN=&SQ1..CNMPNL1,DISP=SHR`

Table 45. Additional Considerations (continued)

Installation Topic	Considerations

Getting Ready to Start NetView (continued)	**Updating CNMSTYLE**
	Refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*.
	Note: If you only plan to use msys for Operations and not the full NetView program, make the following updates:
	• Copy the following statements from CNMSTYLE to CNMSTUSR or C*xx*STGEN, and make the appropriate changes:
	– Change the DOMAIN statement to:
	`DOMAIN=&DOMAIN`
	– Comment out the NetID statement:
	`*NetID =&CNMNETID`
	– Change the SIIname statement to:
	`SSIname = &DOMAIN.SIR`
	– If you have a license for System Automation, change the TOWER statement to include SA by removing the asterisk before SA in the TOWER statement:
	`TOWER = SA *AON *MSM *Graphics MVScmdMgt NPDA NLDM TCPIPCOLLECT *AMI *TARA *DVIPA *TEMA`
	Also apply APAR OA10721 to provide SA/390 command definitions in member INGCMD. These command definitions replace member AOFCMD0. If your existing NetView environment includes AOFCMD0, remove any references to AOFCMD0 to avoid conflicts during NetView initialization.
	Note: If you are installing the Japanese version of the NetView program, update the transTbl statement to use DSIKANJI and uncomment the transMember statement as shown here:
	`*transTbl = DSIEBCDC`
	`transTbl = DSIKANJI`
	`transMember = CNMTRMSG`
	Updating CNMTRMSG
	If you are installing the Japanese version of the NetView program, update member CNMTRMSG in data set SDSIMSG1 to include member CNMMSJPN:
	`%INCLUDE CNMMSJPN`
	Updating security definitions
	Ensure that any security definitions have been moved to the new system as necessary.
	Migrating AOFCUST
	Migrate your customized AOFCUST into your user data set for DSIPARM. For more information, refer to *z/OS Managed System Infrastructure for Operations: Setting Up and Using*.

Activating NetView	**Starting VTAM using job CNMNET** Refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*. **Starting the NetView program using job CNMPROC** Use the PROC that you updated in the previous section. **Note:** If you only plan to use msys for Operations and not full NetView V5R3, do not start the NetView subsystem address space using job CNMPSSI.

Table 45. Additional Considerations (continued)

Installation Topic	Considerations
Verifying the Installation	• Verify that msys for Operations is operational. • Verify that NetView V5R3 is operational. For more information, refer to *IBM Tivoli NetView for z/OS Installation: Getting Started*. **Note:** If you only plan to use msys for Operations and not full NetView V5R3, only verify that msys for Operations is operational.

For information on enabling additional functions, refer to the *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components* and *IBM Tivoli NetView for z/OS Installation: Configuring Graphical Components*.

To run another NetView program in the same logical partition (LPAR) as the NetView program you just installed, refer to *IBM Tivoli NetView for z/OS Installation: Configuring Additional Components*.

For more information about the Tivoli NetView for z/OS Enterprise Management Agent, see the *IBM Tivoli NetView for z/OS Installation: Configuring the Tivoli NetView for z/OS Enterprise Agents*.

Appendix A. Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4

This appendix lists new, changed, and deleted:

- "Help Panels"
- "Command Lists"
- "Messages" on page 152
- "Samples" on page 163

Note: The lists in this section are listed alphabetically from left to right.

Help Panels

This section lists new, changed, and deleted help data set members for migration considerations.

- "New Help Panels"
- "Changed Help Panels"
- "Deleted Help Panels"

New Help Panels

CNMKNLOR

Changed Help Panels

CNM0DIAY	CNM0STRT	CNM1NCS2	CNM1NCS3
CNM1NETV	CNM1OVE2	CNM1OVER	CNM2CON2
CNM5HC1B	CNM5HCCL	CNM5HF01	CNM5HF02
CNM5HF06	CNM5MSGS	CNM5O000	CNM5O001
CNM5O002	CNM5O003	CNMHTCOM	CNMHTCPY
CNMHTHDR	CNMHTSC	CNMKHECO	CNMKMOFY
CNMKNCCF	CNMKNCSC	CNMKNEEW	CNMKNLSC
CNMKNLUD	CNMKNPDA	CNMKVARY	CNMKVTCO
CNMNNODE			

Deleted Help Panels

CNM1OVE3	CNM2NETV	CNM9BRW3

Command Lists

This section lists new, changed, and deleted command lists for migration considerations.

- "New Command Lists" on page 152
- "Changed Command Lists" on page 152
- "Deleted Command Lists" on page 152

New Command Lists

CNMELSTW	CNMEOUTS	CNMESTYL	CNMEVTAM

Changed Command Lists

CNME0039	CNME0040	CNME0041	CNME0042
CNME0043	CNME0045	CNME0046	CNME0047
CNME0048	CNME0049	CNME1003	CNME1006
CNME1008	CNME1010	CNME1015	CNME1016
CNME1019	CNME1020	CNME1021	CNME1022
CNME1024	CNME1026	CNME1027	CNME1031
CNME1032	CNME1033	CNME1034	CNME1036
CNME1048	CNME1049	CNME1050	CNME1054
CNME1057	CNME1066	CNME1080	CNME1081
CNME1082	CNME1083	CNME1087	CNME1089
CNME1092	CNME1095	CNME1096	CNME1097
CNME1099	CNME1100	CNME1101	CNME1103
CNME1104	CNME1105	CNME1500	CNME1502
CNME1504	CNME1505	CNME2007	CNME2008
CNME2009	CNME2010	CNME2012	CNME2103
CNME3024	CNME5001	CNME5002	CNME5003
CNME7023	CNME8004	CNME9505	CNMESTSO
CNMETDHB	CNMETDIN	CNMETSO	EZLE1FWD
EZLE1I01	EZLE1I02	EZLE1I03	EZLE1I04
EZLE1I05	EZLE1I07	EZLE1IGT	EZLE1NTF
EZLE1REQ	EZLE1RGT	EZLE1RUT	EZLE1UFW
EZLE1XMN	EZLEAAT4	EZLEAAT5	EZLEACG4
EZLEACGL	EZLEAINT	EZLEARFR	EZLEAXST
EZLEHBLD	FLCAPMHB	FLCAPMVR	

Deleted Command Lists

CNME1088	CNME7007	CNME7013	CNME7014
CNME7015	CNME7025	EZLEACG1	EZLEANTL

Messages

This section lists new, changed, and deleted messages for migration considerations.

- "New Messages"
- "Changed Messages" on page 161
- "Deleted Messages" on page 163

New Messages

BNH139E Unexpected SAF error extracting *segname* segment data from *operid* SAF user profile.

BNH140I WorkLoad Management service *WLM_service* failed for task *task_ID*

BNH141E PPI REQUEST ISSUED FROM NETVIEW MVS COMMAND EXIT FAILED. TYPE=*reqtype*, RC=*rc*

BNH142I MVS COMMAND MANAGEMENT IS SET TO *mode*

BNH143I MVS COMMAND SENT TO NETVIEW: *command*

BNH144I MVS COMMAND IGNORED BY NETVIEW. REASON: *reason*. COMMAND: *command*

BNH145E KEYWORD 'CNMCAUT' HAS INVALID SUFFIX OR VALUE: *value*

BNH146I NETVIEW MVS COMMAND EXIT AND PARAMETER LIST ARE INCOMPATIBLE

BNH175I The *seg_name* segment was not found in the *oper_id* SAF user profile.

BNH176I Display of *opid* SAF NETVIEW segment data.

BNH177I Display of *opid* SAF BASE segment data.

BNH178I Display of *opid* SAF OMVS segment data.

BNH179I Display of *opid* SAF LANGUAGE segment data.

BNH293I NETVIEW CNMCAUT MODE IS *mode*, PARMLIB MEMBER LOADED is *member*

BNH294I NETVIEW MVS COMMAND EXIT IS LOADING PARMLIB MEMBER: *member*

BNH330I NO SAF *operid* USER FOUND.

BNH358I CI CHANGE *slot_values*.

BNH359I SYS MONITOR *slot_values*.

BNH371E LOADING OF PARMLIB MEMBER *member* FAILED

BNH372E PARMLIB MEMBER *member* NOT FOUND

BNH373E I/O ERROR ENCOUNTERED WHILE READING PARMLIB

BNH374E ERROR ENCOUNTERED WHILE OPENING PARMLIB

BNH377E ALLOCATION OF A LOGICAL PARMLIB DATA SET FAILED

BNH378E LOGICAL PARMLIB DATA SET CONCATENATION FAILED

BNH379E LOAD OF THE PARMLIB READ ROUTINE FAILED

BNH388E PARMLIB READER UNABLE TO ACCESS LOGICAL PARMLIB

BNH389E NETVIEW MVS COMMAND EXIT ENCOUNTERED ERROR ISSUING IEFPRMLB

BNH390I PARMLIB READ BUFFER BEING MADE LARGER

BNH391E PARMLIB DID NOT CLOSE

BNH392E PARMLIB DID NOT UNALLOCATE

BNH393E SYNTAX ERROR IN CONSOLE EXCLUSION OR INCLUSION LIST STATEMENT

BNH394I *type1 type2* REQUESTED

BNH395I 'statement'

BNH396E *type* EXCLUSION AND INCLUSION LISTS ARE MUTUALLY EXCLUSIVE

BNH397E STATEMENT TYPE NOT RECOGNIZED

BNH398I NO VALID CONSOLE OR COMMAND STATEMENTS FOUND IN PARMLIB MEMBER *member*

BNH399E EXCLUDED/INCLUDED COMMAND TEXT IS TOO LONG

BNH475I VTAM ACB MONITOR ACTIVATION IN PROGRESS.

BNH476I VTAM ACB MONITOR ENTRY POINT *entry_point* ACTIVATION IN PROGRESS.

BNH477I VTAM ACB MONITOR ACTIVATED ON DOMAIN *domain*.

BNH478I VTAM ACB MONITOR INITIAL REPORTING COMPLETE FOR CP *cpname*.

BNH479E VTAM ACB MONITOR *command* ERROR, REASON *reason_code*.

BNH480E ERROR ACTIVATING VTAM ACB MONITOR ENTRY POINT *entry_point*, REASON *reason_code*.

BNH481E INVALID VALUE value FOR VTAM ACB MONITOR CONFIGURATION KEYWORD keyword.

BNH482I VTAM ACB MONITOR TERMINATION IN PROGRESS FOR DOMAIN *domain*.

BNH483I VTAM ACB MONITOR TERMINATION COMPLETE FOR DOMAIN *domain*.

BNH484W DUPLICATE VTAM APPL *appl* DISCOVERED ON CP *cpname*.

BNH485I VTAM ACB MONITOR STATUS UPDATE DATA.

BNH486I VTAM ACB MONITOR REPORTING SET TO MONITOR=*monitor_value* SESCT=*sesct_value* FOR RESOURCE *resource_name* ON CP *cpname*.

BNH487I AMONRPT COMMAND COMPLETE.

BNH488E SPECIFY APPL, GNAME, OR MODEL KEYWORD.

BNH489E MODIFY RESOURCE COMMAND FAILED FOR *resource_name* ON CP *cpname*.

BNH491E MONITOR=NO AND SESCT=YES COMBINATION IS INVALID.

BNH492I TN3270E CLIENT APPL *applname* IP ADDRSS *ipaddress* IPPORT *ipport* HOSTNAME *hostname* ON CP *cpname* TCP STACK *jobname*

BNH493I LOCATE TN3270E CLIENTS COMPLETE.

BNH494I NO MATCHING TN3270E CLIENTS FOUND, REASON=*reason_code*.

BNH556I '*taskname1*' IS WAITING FOR '*taskname2*' TO CLOSE '*resource*'

BNH561E IEFPRMLB ALLOCATE ISSUED BY NETVIEW MVS COMMAND EXIT FAILED. RC=*rc*, REASON CODE=*reason*

BNH562E IEFPRMLB FREE ISSUED BY NETVIEW MVS COMMAND EXIT FAILED. RC=*rc*, REASON CODE=*reason*

BNH563I NETVIEW CNMCAUT PARMLIB PROCESSING IS BUSY. PLEASE TRY AGAIN LATER.

BNH564E CONTINUATION LINE MISSING FOR COMMAND

BNH565E NETVIEW MVS COMMAND EXIT INTERNAL ERROR. PLEASE CONTACT TIVOLI.

BNH566E WILDCARD CHARACTERS CANNOT BE SPECIFIED AT BOTH ENDS OF A COMMAND OR CONSOLE STATEMENT

BNH567I NETVIEW MVS COMMAND EXIT TERMINATION REQUESTED

BNH568I NETVIEW MVS COMMAND MANAGEMENT PARMLIB MEMBER *member* IS DELETED

BNH569E NO NETVIEW MVS COMMAND MANAGEMENT PARMLIB MEMBER IS ACTIVE

BNH647I PRIORITY LEVEL: *prilevel*

BNH650I DUPLICATE VALUE SPECIFIED FOR KEYWORD*keyword*

BNH651I INVALID VALUE OF 0 SPECIFIED WHEN MULTIPLE VALUES ENTERED FOR KEYWORD*keyword*

BNH652I NETVIEW RESOURCE MANAGER IS TERMINATING DUE TO *reason*

BNH653I NETVIEW RESOURCE MANAGER HAS ASSIGNED THE DEFAULT VALUE OF *default* FOR KEYWORD*keyword*

BNH654I COMMON GLOBAL VARIABLE *variable*HAS AN INVALID VALUE: *value*

BNH655I DISPLAY OF NETVIEW RESOURCE MANAGER INFORMATION

BNH656I END OF NETVIEW RESOURCE MANAGER DISPLAY

BNH657I NETVIEW RESOURCE MANAGER IS INACTIVE

BNH658I NETVIEW RESOURCE MANAGER WAS INITIALIZED ON *date* AT *time*

BNH659I TYPE: *nrmtype*

BNH660I RODM NAME: *rodmname*

BNH661I HEARTBEAT INTERVAL: *time*

BNH662I SAMPLING RATE: *time*

BNH663I COMMUNICATION RETRY COUNT: *count*

BNH664I COMMUNICATION RETRY INTERVAL: *interval*

BNH665I HOST DESTINATION(S)

BNH666I NAME MODE PORT ADDRESS

BNH667I *desthostmodeportipaddress*

BNH668I START TYPE: *starttype*

BNH669I TASK TYPE EXCLUSION LIST:

BNH670I *exclusionlistentry*

BNH671I TASK NAME EXCLUSION LIST:

BNH672I DOMAIN EXCLUSION LIST:

BNH673I NETVIEW DOMAINS ARE NOT MONITORED BY A NETVIEW RESOURCE AGENT

BNH674I NO NETVIEW DOMAINS ARE BEING MONITORED

BNH677I INTERNAL ERROR OCCURRED FOR NETVIEW RESOURCE MANAGER. RESULTS MAY BE UNPREDICTABLE.

BNH678I INCORRECT NUMBER OF KEYWORD *keyword* VALUES SPECIFIED

BNH679I NETVIEW RESOURCE MANAGER INITIALIZATION IS *action*

BNH680I DISPLAY OF MONITORED NETVIEW DOMAINS

BNH681I DOMAIN COMMUNICATION IP HOST

BNH682I NAME MODE ADDRESS NAME

BNH683I ----------

BNH684I *domain mode ipaddress*

BNH685I END OF MONITORED NETVIEW DOMAINS DISPLAY

BNH686I NETVIEW RESOURCE AGENT *domain* CANNOT SEND STATUS TO MANAGER *hostdest*

BNH687I NETVIEW RESOURCE AGENT *domain* IS SUCCESSFULLY COMMUNICATING WITH MANAGER *hostdest*

BNH688I KEYWORD *keyword1* IS IGNORED WHEN KEYWORD *keyword2* IS NOT SPECIFIED

BNH689I HOST DESTINATION *destdomain* IS INVALID FOR NETVIEW RESOURCE AGENT *agentdomain*

BNH690I IP ADDRESS: *ipaddress* PORT: *portnumber*

BNH691I REMOTE OPERATIONS USING TCP/IP *tcpname* TERMINATED DUE TO *reason*

BNH692I UNABLE TO RESOLVE HOST NAME, RETURN CODE *returncode*

BNH693I REMOTE OPERATIONS USING TCP/IP ARE NOT ENABLED

BNH694I CONNECTION WITH *netid.domain* DOES NOT EXIST OR IS IN PROCESS OF TERMINATION

BNH695I REMOTE OPERATIONS REQUEST FOR *netid.domainid* TERMINATED DUE TO *reason*

BNH696I ADDRESS *ipaddress1* CONFLICTS WITH IP ADDRESS*ipaddress2* FOR *domainid*

BNH697I REMOTE OPERATIONS TCP/IP SERVER SET-UP FAILED

BNH698I *netid1.domainid1* REQUESTED AT IP ADDRESS *ipaddress* PORT *portnumber*, BUT *netid2.domainid2* WAS FOUND THERE

BNH699I NETVIEW RESOURCE MANAGER COMMUNICATION FAILURE: *reason*

BNH700E INVALID NUMBER OF PARAMETERS ON REGIP COMMAND.

BNH701E INVALID FUNCTION *function* ON REGIP COMMAND.

BNH702I REGISTERED IP ADDRESSES/HOSTS

BNH703I SYSLOGD MESSAGE RECEIVED. FACILITY=*facility*. PRIORITY=*priority*. ORIGIN=*origin*.

BNH704E INVALID FACILITY *facility* SPECIFIED.

BNH705E INVALID PRIORITY *priority* SPECIFIED.

BNH706E NO SYSLOG MESSAGE SUPPLIED

BNH707E OPTION *opt* HAS INVALID VALUE *value*.

BNH708E REQUIRED HOSTNAME MISSING OR INVALID.

BNH709E INVALID NUMBER OF PARAMETERS FOR LOG STAGE.

BNH710I SYSLOGD MESSAGE RECEIVED FROM UNREGISTERED HOST *host*

BNH711I ENTER PASSWORD FOR REMOTE USER.

BNH712I F3=QUIT ENTER=PROCESS

BNH713E NO USER ID SPECIFIED FOR REXEC.

BNH714E NO PASSWORD SPECIFIED FOR REXEC.

BNH715E UNABLE TO CREATE RHOSTS TABLE.

BNH716W INVALID ENTRY *entry* IN DSIRHOST MEMBER.

BNH717W Conflicting ENTRY *entry* IN DSIRHOST MEMBER.

BNH718W UNABLE TO CREATE RHOST ENTRY FOR *host*.

BNH719E UNABLE TO CONNECT TO REMOTE HOST.

BNH720E REMOTE ACCESS DENIED BY *server* SERVER.

BNH721E UNABLE TO ATTACH *task* TASK. ERROR CODE IS *code*.

BNH722W UNABLE TO OBTAIN *bytes* BYTES OF STORAGE FOR SYSLOGD MESSAGE FROM *host*. MESSAGE WILL BE TRUNCATED.

BNH723W UNABLE TO OBTAIN *bytes* BYTES OF STORAGE TO RECEIVE *command* FROM *host*. RESPONSE WILL BE TRUNCATED.

BNH724E TCP/IP INITIALIZATION FAILED.

BNH725I F3=QUIT PF6=ROLL ENTER=PROCESS COMMAND

BNH726I REMOTE SHELL TERMINATED. PF3=EXIT

BNH727E TCP ADDRESS SPACE NAME NOT AVAILABLE.

BNH728E COMMAND NOT ALLOWED IN TCP/IP ENVIRONMENT

BNH729E INTERNAL FAILURE IN TELNET CLIENT.

BNH730I TELNET SESSION TERMINATED BY REMOTE HOST.

BNH731E MQS FAILED TO IP LOG TASK.

BNH732E HOST VALUE NOT ALLOWED ON LIST.

BNH733I NO HOSTS REGISTERED.

BNH734I SYSLOG MESSAGE ACCEPTED BY TCP/IP.

BNH735E COMMAND TERMINATED DUE TO ERROR ON REMOTE SERVER

BNH736I NO WORKLOAD MANAGEMENT NETVIEW SERVICE CLASS MATCHES SELECTION CRITERIA

BNH740I REMOTE OPERATIONS USING TCP/IP *tcpname* ARE NOW ENABLED

BNH741I REMOTE OPERATIONS FOR *netid.domainid* TERMINATED

BNH742I REMOTE OPERATIONS REQUEST FROM *netid.domainid* REJECTED DUE TO *reason*

BNH743I	REMOTE OPERATIONS FROM *netid.domainid* TERMINATED
BNH744I	NETVIEW RESOURCE *type domain* HAS LOST COMMUNICATION WITH*type domain*
BNH745I	NO *keyword* LIMIT REACHED FOR TASK *opid luname*
BNH746E	HTML MUST HAVE A VALID SESSION ID WHEN WEBSEC=CHECK IS SPECIFIED FOR NETVIEW WEB SERVER SUPPORT FUNCTION. PLEASE NOTIFY YOUR SYSTEM PROGRAMMER TO UPDATE THE HTML
BNH747I	COMMAND NOT PROCESSED FOR RESOURCE *resource*. NETVIEW RESOURCE MANAGER AGENT *domain* IS NOT MONITORED
BNH748I	*domainID* NETVIEW SUCCESSFULLY CONNECTED TO WLM
CNM024I	DSIMQS FAILED SENDING REFRESH BUFFER, DATA MAY BE LOST
CNM1100I	The process is already running
CNM1101E	The process is not currently running
CNM1102E	Stop command unsuccessful
CNM1103I	Stop command successful
CNM1104I	Start command successful
CNM1105E	Start command unsuccessful
CNM1106I	The process is up
CNM1107I	Connect Failed. The process may be down.
CNM1108E	Invalid parameters on stop command
CNM1109E	No hostname specified on the command
CNM1110E	No processes specified for start
CNM1111E	No processes specified for stop
CNM1112E	No processes specified for status
CNM1113I	Shutdown successful
CNM1114E	Invalid parameters passed in to JasStopSelf
CNM1115E	Connect to Java Application Server failed
CNM1116E	Invalid parameters on start command
CNM1117E	Invalid parameters on status command
CNM1118E	Could not close log file
CNM1119E	Could not open log file jas.log
CNM1120E	Error receiving input from command line
CNM1121E	Could not output data to log file
CNM1122I	Shutting down
CNM1123E	Unknown command
CNM1124E	Error reading nv390srvr.conf
CNM1125E	Could not create Unix/390 Java Application Server

CNM1126E Java Application Server started

DSI025I Please wait for NetView initialization to complete.

DSI823I *member* HAS A MISSING OR INCORRECT SIGNATURE

DSI824I COMMAND ENTERED IS NOT SUPPORTED ON THIS LEVEL OF NETVIEW

DUI289I COMMAND *command_name* COMPLETED WITH RETURN CODE *return_code*

DUI290I TRACE MODULE *module_name.* data.

DUI291I TRACE *level* IS SET FOR NMCSTATUS PROCESSING

DUI292E UNABLE TO CREATE RODM OBJECT *myname* FOR POLICY DEFINITION *policy_def* IN THE AGGREGATE_COLLECTION_CLASS. TIMER HANDLE *timer_handle* MODULE *module_name* RETURN CODE *return_code*

DUI4206E AN RCMGR INITIALIZATION ERROR HAS OCCURRED, ERROR CODE *errorcode*

DUI4207E AN RCMGR FIELD SUBSCRIPTION ERROR HAS OCCURRED, ERROR CODE *errorcode*

DUI4213E AN RCMGR ERROR HAS OCCURRED PROCESSING A NETWORK_VIEW_COLLECTION_CLASS CDO, ERROR CODE *errorcode*

DUI4214E AN RCMGR ERROR HAS OCCURRED PROCESSING AN AGGREGATE_COLLECTION_CLASS CDO, ERROR CODE *errorcode*

DUI4224E AN RCMGR INITIALIZATION ERROR HAS OCCURRED, ERROR CODE *errorcode*

DWO853I REQUEST NOT COMPLETED; NO ACTIVE DATABASE FOR TASK *taskname*

DWO854I *object* is active.

EZL006I Member FILE num=name

EZL061I PASSWORD IS TOO *length*

EZL072E *request* ERROR PROCESSING VSAM DATASET

EZL115I *Entry Type Keyword Value*

EZL202I PARAMETER *"parameter"* INVALID FOR REQUEST *command*

EZL249E *command* - CGLOBAL *cglobal* NOT INITIALIZED

EZL609E POLICY FILE(S) COULD NOT BE LOADED

FKX400I TRACE SUCCESSFULLY SCHEDULED FOR SP *sp* BY OPERATOR *operid*

FKX401I DELAYED TRACE SUCCESSFULLY SCHEDULED FOR SP *sp* BY OPERATOR *operid*

FKX402I TRACE *action* FOR SP *sp* FAILED - MESSAGE *msgnum* RECEIVED.

FKX403I TRACE SUCCESSFULLY STOPPED FOR SP *sp* BY OPERATOR *operid*

FKX405I TARGET DOMAIN/PROC FOR SP *sp* IS NOT VALID

FKX406I *tracetype* - DELAYED TRACE FAILED FOR SP *sp* BY OPERATOR *operid*

FKX407I *tracetype* - DELAYED TRACE BLOCKED BY SECURITY FOR SP *sp* BY OPERATOR *operid*

FKX410I UNABLE TO START TRACE *tracetype* ON SP *sp* - TRACE ALREADY ACTIVE

FKX411I UNABLE TO STOP TRACE *tracetype* ON SP *sp* - TRACE NOT ACTIVE

FKX412I UNABLE TO START TRACE *tracetype* ON SP *sp* - DELAYED TRACE ALREADY SCHEDULED

FKX413I THE PROCNAME *proc* IS NOT DEFINED ON SP *sp*

FKX430I NO VALID CTRACE OPTIONS SPECIFIED FOR TRACE START - *sp*

FKX431I DUPLICATE CTRACE OPTION *opt* SPECIFIED FOR TRACE START - *sp*

FKX432I INVALID CTRACE OPTION *opt* SPECIFIED FOR TRACE START - *sp*

FKX433I NO VALID CTRACE OPTIONS SPECIFIED FOR TRACE START - *sp*

FKX434I INVALID IP ADDRESS *ipaddr* SPECIFIED FOR CTRACE START - *sp*

FKX435I INVALID IP PORT *ipport* SPECIFIED FOR CTRACE START - *sp*

FKX436I NO PKT TRACE START OPTIONS MATCH ANY VALID LINK NAMES FOR *sp*

FKX437I INVALID *option* (*opt*) SPECIFIED FOR PKT TRACE START - *sp*

FKX438I SIZE OF THE TOTAL OPTIONS REQUESTED IS TOO LARGE - *sp*

FKX460I *tracetype* - TRACE STARTED AND AUTOSTOP SCHEDULED FOR SP *sp* BY OPERATOR *operid*

FKX461I *tracetype* - TRACE STARTED BY OPERATOR *operid* FOR SP *sp* BUT AUTOSTOP FAILED

FKX462I *tracetype* - TRACE STARTED BY OPERATOR *operid* FOR SP *sp* BUT AUTOSTOP BLOCKED BY SECURITY

FKX470I NO SERVICE POINTS FOUND MATCHED SP *sp*

FKX480I TIMEOUT IN COLLECTING TRACE INFO AT DOMAIN *domain*

FKX490I NO ESTABLISHED COMMUNICATION WITH REMOTE DOMAIN *domain*

FKX651I THE DATA REQUEST *request* IS NOT SUPPORTED

FKX670I SET REQUEST SUCCESSFUL

FKX671I SET REQUEST FAILED

FKX680I NO TCP CONNECTIONS FOUND FOR INTERFACE *ifno* ON RESOURCE *resname*

FKX681I NO IP ADDRESS IS FOUND FOR INTERFACE *ifno* ON RESOURCE *resname*

FKX901I INCORRECT VALUE DETECTED. PRESS PF1 FOR HELP

FKX933I DUPLICATED GROUP NAME *group* IN FKXSNMP FILE

FKX934I INVALID GROUP DEFINITION *group* IN FKXSNMP FILE

FKX984I TIMEOUT RECEIVED FROM SNMP REQUEST

FKX985I TCP/IP IS UNABLE TO RESOLVE HOSTNAME *resname*

FKX986I UNIX SERVER IS NOT AVAILABLE, PPI ERROR 26 RECEIVED

FKX987I UNIX AUTHORIZATION FAILED, UNIX ERROR -11 RECEIVED

FKX988I ERRORS RECEIVED FROM SNMP REQUEST. HIT F10 FOR MESSAGES

FKX989I NO CONNECTIONS FOUND FOR THIS INTERFACE

FLC125E IP DISCOVERY IS NOT ALREADY RUNNING.

FLC127I STOPDISC WAS SUCCESSFUL.

FLC128E STOPDISC WAS UNSUCCESSFUL.

FLC150E THERE WAS AN ERROR WHILE USING THE SOCKET INTERFACE FOR TN3270 MANAGEMENT. TN3270 RESOURCES WILL NOT BE LINKED TO IP RESOURCES. INFORM YOUR SYSTEM PROGRAMMER THAT THERE IS A PROBLEM WITH THE SOCKET INTERFACE AND/OR THE RMTCMD.

FLC151E THE TN3270 MANAGEMENT CONFIGURATION FILE: *file_name*, HAS AN INVALID IP ADDRESS: *ip_address*.

Changed Messages

AAU144I *locid* FLOW CONTROL DATA IS NOT AVAILABLE

AAU200I *module locid* UNABLE TO ACCESS THE DSIPARM DATA SET

AAU201I *module locid* UNABLE TO FIND MEMBER *member* OF THE DSIPARM DATA SET

AAU232I INVALID MEMBERNAME: *member*—

AAU896I *module locid* PARAMETER VALUE MISSING: MEMBERNAME= '*member*', KEYWORD= '*keyword*'

AAU897I *module locid* PARAMETER VALUE OUT OF RANGE: MEMBERNAME= '*member*' KEYWORD= '*keyword*'

BNH095I APPLICATION ERROR MESSAGE RECEIVED BY APPLICATION *loc_appl* FROM APPLICATION *sending_appl* IN NODE *netid.nau*. SNA SENSE CODE IS X'*sensecod*'.

BNH170I CONFLICTING VALUES SPECIFIED FOR CTL AND NGMFVSPN ATTRIBUTES FOR OPERATOR *opid*. VIEWS WILL NOT BE SPAN RESTRICTED FOR THE OPERATOR

BNH171I SPAN RESTRICTION OF VIEWS IS NOT ENABLED FOR THIS SYSTEM

BNH172I INCORRECT VALUE '*value*' FOUND IN THE *position* POSITION OF THE NGMFVSPN FIELD FOR OPERATOR *operator*. THE DEFAULT VALUE OF '*default_value*' WILL BE USED

BNH539I CNME1103 DELETED *bnh538i_message_text*

DSI050A PROFILE STATEMENT NAME FIELD INVALID - MEMBER *member*.

DSI051A PROFILE NAME MISMATCH - MEMBER *member*

DSI054I DSID = *datasetid* MEMBER = *member* REQUEST = *requesttype*

DSI061A ERROR IN PROFILE MEMBER *member* STATEMENT NUMBER *number* —

DSI084I OPEN FAILED FOR NCCF DATA SET *name*

DSI085I READ ERROR OCCURRED ON NCCF DATA SET *name*

DSI086I NCCF MEMBER '*member*' NOT FOUND ON DSIPARM —

DSI087I NCCF PROFILE MEMBER *member* NOT FOUND

DSI088I MAJOR NODE MEMBER *member* NOT FOUND ON DSIVTAM

DSI089I INVALID STATEMENT IN NCCF MEMBER *member*

DSI103I AUTH STATEMENT OPERAND IS INVALID IN MEMBER *member*

DSI234I DUPLICATE COMMAND '*commandname*' DETECTED

DSI410I DSIPARM MEMBER *member* BEING USED FOR NETVIEW AUTOMATION

DSI412I THE FOLLOWING ERRORS ENCOUNTERED IN PROCESSING MEMBER *member*

DSI560I I/O ERROR ON MESSAGE DATASET

DUI121E THE NETCONV START COMMAND FAILED BECAUSE LU *luname* IS COMMUNICATING WITH ANOTHER STATUS FOCAL POINT, IS RUNNING AN UNSUPPORTED LEVEL OF NMC, OR IS ALREADY COMMUNICATING WITH THIS STATUS FOCAL POINT

DUI4011E GMFHS ATTEMPTED TO SEND A MESSAGE TO SCOPE CHECKER OPTIONAL TASK BUT FAILED

DUI4388E TRANSPORT PROTOCOL WAS NOT PPI, OST, COS, OR IP

DWO213I '*task1*' IS UNABLE TO COMMUNICATE WITH '*task2*'. WILL RETRY IN *sec* SECONDS.

EZL001I REQUEST *request* WAS SUCCESSFUL FOR *function*

EZL025E SYNTAX ERROR IN MEMBER *member* BEING USED FOR THE CONFIGURATION TABLE

EZL029E *text*

EZL065I CURRENT PASSWORD IS *current*

EZL067E CURRENT PASSWORD IS *password* - ERROR CREATING NEW PASSWORD

EZL110I *controlfile* BEING USED FOR THE CONFIGURATION TABLE

EZL665I OUT *domain* EZLE1REQ: *command*

EZL666I IN *domain* EZLE1REQ: *command*

FKX914I ERROR ISSUING COMMAND TO SERVICE POINT *sp:operid* RECEIVED *error*

FLC124E PIPE ERROR DURING *process*. THE RETURN CODE IS *rc*. FOR

MORE INFORMATION ENTER THE FOLLOWING AT THE TEST CONSOLE COMMAND LINE, HELP PIPE UNIX. TYPE=E

Deleted Messages

BNJ1539	BNJ995	CMN215	CMN283
CNM284	CNM285	CNM286	CNM287
CNM288	CNM289	CNM290	CNM291
CNM292	CNM293	CNM294	CNM295
CNM296	CNM297	CNM298	CNM477
CNM700	CNM701	CNM702	CNM703
CNM704	CNM705	CNM706	CNM709
CNM710	CNM713	CNM885	CNM947
DUI0710	DUI0711	DUI0712	DUI0713
DUI0714	DUI0715	DUI0716	DUI0717
DUI0718	DUI0719	DUI0720	DUI0721
DUI0722	DUI0723	DUI0724	DUI0725
DUI0726	DUI0727	DUI0728	DUI0729
DUI0730	DUI0731	DUI0732	DUI0733
DUI0734	DUI0735	DUI0736	DUI0737
DUI0738	DUI0739	DUI0740	DUI0741
DUI0742	DUI0743	DUI0744	DUI0745
DUI0746	DUI0747	DUI0748	DUI0749
DUI0750	DUI0751	DUI0752	DUI0753
DUI0754	DUI0755	DUI0756	DUI0757
DUI0758	DUI0759	DUI0760	DUI0761
DUI0762	DUI0763	DUI0764	DUI0765
DUI0766	DUI0767	DUI0768	DUI0770
DUI0771	DUI0772	DUI0773	DUI0774
DUI0775	DUI0776	DUI0777	DUI0778
DUI0779	DUI0780	DUI0781	DUI0782
DUI0782	DUI0783	DUI0790	DUI0791
DUI0792	DUI0800	DUI0801	DUI0802
DUI0803	DUI0804	DUI0805	DUI0806
DUI0807	DUI0808	DUI0809	DUI0810
DUI0811	DUI0812	DUI0813	DUI0814
DUI0815	DUI0816	DUI0817	DUI0820
DUI0830	DUI0831	DUI0832	DUI0833
DUI0834	DUI0835	DUI0836	DUI0850
DUI0853	DUI0855	DUI0872	DUI0873
DUI0880	DUI0881	DUI0882	DUI0885
DUI0896	DUI0897	DUI0900	DUI0901
DUI0902	DUI0903	DUI0904	DUI350
DUI351	DUI352	DUI356	DUI361
DUI362	DUI365	DUI366	DUI367
DUI368	DUI369	DUI370	DUI371
DUI372	EZL240	EZL603	EZL604
EZL605	EZL606	EZL653	FLC117

Samples

This section lists new and deleted samples for migration considerations.

- "New Samples" on page 164
- "Deleted Samples" on page 164

New Samples

CNMCAU00
CNMGSPCR
CNMGTIVL
CNMSJI24
CNMSJM13
CNMSTASK
CNMSTGEN
CNMSTNXT
CNMSTPWD
CNMSTTWR
CNMSTYLE
CNMSVTET
CNMSVTFT
CNMSXSYS
DSICCSYS
DSICMD1D
DSICMENT
DSICMPRC
DSICMRMT
DSICMSYS
DSIILGCF
DSIPROFV
DSIREXCF
DSIRHOST
DSIRSHCF
DSITSK
DUIFNRM1
DUIFNRM2
DUIPOLCY
EKG$1SYS
EKG$4SYS
EKG$8SYS
EKGSCKPT
EKGSI101
EKGSI102
EKGSI201
EKGSI202
EKGSID01
EKGSID02
EKGSID03
EKGSJ004
EKGSLOG
EZL$5SYS
FKXOBEY0
FKXOBEY1
FKXOBEY2
FKXOBEY3
FKXOBEY4
FKXOBEY5
FKXOBEY6
FKXOBEY7
FKXOBEY8
FKXOBEY9
FKXSNMP[1]
FLCS3270
FLCSDM9
FLCSHAT2
FLCVCARD
IHSDNODE[2]
IHSDPOLL[3]
IHSDRESO[4]
IHSDTEMP[5]
IHSDVIEW[6]
IHSPCONF[7]
IHSPJDMS[8]

File names in UNIX system services:

1. fkxsnmp.grp
2. node.def
3. pollobj.def
4. resource.def
5. template.def
6. view.def
7. config.properties
8. JdmServerProperties.txt

Deleted Samples

CNMGBACK
CNMGTIVS
CNMGTME1
CNMHELPM
CNMHELPR
CNMHELPT
CNMHELPW
CNMPCHCK (CNMSJ031)
CNMS4225
CNMS4255
CNMS4285
CNMS4304
CNMS4404
CNMS4504
CNMS8004
CNMS8005
CNMS8006
CNMS8007
CNMS8008
CNMS8025
CNMS8026
CNMSJCPY
CNMSJI14
CNMSJI19
CNMUCMDJ
CNMUMSGJ
DSICMDB
DSICMDM
DSICMDT
DSIDMNB
DSIDMNE
DSIDMNM
DSIDMNT
DSIDNMAT
DSIFPMAT
DSIINMAT
DSIOPFB
DSIOPFM
DSIOPFT
DSIPRFAO
DSIPRFMO
DSIPRFWD
DSIPROFH
DUIGCBAI
DUIISC
DUISJ001
DUISPP01
DUISPP02
DUISPP03
DUISPP07
EKGDLOG
EKGDWIND
EKGLOG
EKGLOGD
EKGUCMDJ
EKGUMSGJ
EKGWIND
EKGWINDW
EZL81UTB
EZL92UTB
EZL93UTB
EZL94UTB
EZL95UTB
EZL96UTB
EZLANCHR
EZLBNJAO
EZLCMDI
EZLDSI24
EZLDWOAO
EZLEKGAO
EZLMSUST
FKVBNJ00
FKVBNJ10
FKVEMSAO
FKVMSU01
FKVMSUSB
FKVTBL01
FKWMSU01
FKWTBL01
FKXERINI
FKXERMT
FKXMSU01
FKXTBL01
FLBUCMDJ
FLBUMSGJ
FLCS7109
FLCS7110
FLCS7111

FLCSDM6M	FLCSDM7	FLCSICST	FLCSILMU
FLCSMALH	FLCSMAUT	FLCSPCST	FLCSTBL
FLCSTBLA	FLCSTBLE	FLCSTBLH	FLCSTBLI
FLCSTBLL	FLCSTBLM	FLCSTBLN	FLCSTBLO
FLCSTBLT	FLCVREAD		

Appendix B. Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for z/OS Version 5 Release 1

This appendix lists new, changed, and deleted:

Note: The lists in this section are listed alphabetically from left to right.

Help Panels

This section lists new and deleted help data set members for migration considerations.

New Help Panels

BNH75	BNH76	BNH77	CNMHEAS
CNM120	CNM121	EZLH5501	EZLH6005
EZLH621C	EZLH622C	EZLH623C	EZLNDYWH
EZLWI700	EZLWI710	FKXH2H21	FKXWBANR
FKXWB000	FKXWB001	FKXWDV01	FKXWDV02
FKXWDV03	FKXWDV04	FKXWDV05	FKXWELCM
FKXWIHLF	FKXWIHTP	FKXWILGC	FKXWILGF
FKXWINOA	FKXWINOH	FKXWINVC	FKXWI10B
FKXWI100	FKXWI130	FKXWI14A	FKXWI140
FKXWI150	FKXWI160	FKXWI200	FKXWI210
FKXWI220	FKXWPORB	FKXWPORF	FKXWTITL
FKX10	FKX97	IHS019	IHS020

Deleted Help Panels

CNMKACNA	CNM110	CNM111	CNM112
EUYACDIY	EUYACLIE	EUYACMOY	EUYACQUF
EUYACREE	EUYACSES	EUYACSTP	EUYACSTR
EUYACSTT	EUYACTRE	EUYAOLAN	EUYRERMT
EUYTOINT	EUYTOREE	FKWHCAUQ	FKWHCAU1
FKWHCMDS	FKWHCMD1	FKWHCMD2	FKWHCMD3
FKWHCMD4	FKWHC100	FKWHC101	FKWHC102
FKWHC103	FKWHC104	FKWHD100	FKWHD110
FKWHD120	FKWHD130	FKWHD140	FKWHD141
FKWHD150	FKWHD151	FKWHD152	FKWHD201
FKWHD202	FKWHD203	FKWHLAD3	FKWHLAD4
FKWHLCAR	FKWHLMCP	FKWHLMR1	FKWHLMR2
FKWHLMT1	FKWHLMT2	FKWHLOBC	FKWHLOB1
FKWHLOCC	FKWHLSEL	FKWHLW44	FKWHL100
FKWHL101	FKWHL110	FKWHL111	FKWHL112

FKWHL113
FKWHO100
FKWHO101
FKWHO102
FKWHQUA1
FKWHQUA2
FKWHQUA3
FKWHR100
FKWHR101
FKWHSOVR
FKWHSWI0
FKWHS100
FKWHS110
FKWHS111
FKWHS121
FKWHS122
FKWHS123
FKWHS124
FKWHS125
FKWHS130
FKWHVIEW
FKWHVIE2
FKWHVIE3
FKWHVIE4
FKWH0000
FKWH0001
FKWH0002
FKWH0003
FKWH1000
FKWH1001
FKWH1002
FKWH1010
FKWH1011
FKWH1100
FKWH111A
FKWH111B
FKWH1110
FKWH1111
FKWH1120
FKWH1130
FKWH1140
FKWH1141
FKWH1200
FKWH1210
FKWH1220
FKWH123A
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FKWKCMD3
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FKW0LBR2
FKW0LBR3
FKW0LCAU
FKW0LCA1
FKW0LLM1
FKW0LLM2
FKW0LLSB
FKW0LSE1
FKW0LSE2
FKW0LSE3
FKW0WIN2
FKW0WIN3
FKW1LAD1
FKW1LAD2
FKW1LAD3
FKW1LAHD
FKW1LBRG
FKW1LBR1
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FKW1LBR3
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FKW106
FKW107
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FKW2LAD3
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FKW2LCA1
FKW2LLM2
FKW2LLSB
FKW2LSE1
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FKW3LBR1
FKW3LCAU
FKW3LCA1
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FKW3LLSB
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FKW5LBRG
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FKW909
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FKW93
FKW94
FKW95
FKXIP000
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FKXIP130
FKXIP14A
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FKXIP150
FKXIP160
FKXIP170
FKXIP171
FKXIP172
FKXIP173
FKXIP174
FKXIP175
FKXIP200
FKXIP210
FKXIP220
FLB20
FLB21
FLB22
FLB23
FLB24
FLB25
FLB26
FLB27
FLB28
FLCA00
FLCA01
FLCA02
FLCA07
FLCA10
FLCA11
FLCA12
FLCE00
FLCE02
FLCE03
FLCE04

FLCE05 FLCE10 FLCE15 FLCE16
FLCE20 FLCE21 FLCE22 FLCE23
FLCE24 FLCE25 FLCE26 FLCE30
FLCE35 FLCE40 FLCE41 FLCE42
FLCE43 FLCE44 FLCE45 FLCE50
FLCE55 FLCE60 FLCE65 FLCE66
FLCE67 FLCE68 FLCE69 FLCE80
FLCE81 FLCE82 FLCE90 FLCE91
FLCE92 FLCFA0 FLCF50 FLCF55
FLCF60 FLCF62 FLCF63 FLCF70
FLCF71

Command Lists

This section lists new and deleted command lists for migration considerations.

- "New Command Lists"
- "Deleted Command Lists"

New Command Lists

CNMEAUTB CNMEPING CNMEPWD CNMERSYN
CNMESNMP CNME1037 CNME1056 EZLEIPIL
EZLEIPLR EZLELROP EZLERMTS EZLEWBHP
EZLE5501 FKXEACT3 FKXECMAN FKXEDCON
FKXEDVM1 FKXEDVPA FKXEDVPF FKXEDVPP
FKXEDVPT FKXEDVP1 FKXEDVP2 FKXEDVP3
FKXEDVST FKXEDVUX FKXEGCIP FKXEGHBA
FKXEGPLU FKXEIDST FKXEIDVF FKXEIGEN
FKXEIHIC FKXEIHLP FKXEILGO FKXEILOG
FKXEILOS FKXEIPTR FKXEISES FKXEISSF
FKXEITRG FKXEIWND FKXEMKCT FKXENCIP
FKXENCMD FKXENVDR FKXESNMP FKXEV216
FKXEWBIN FKXEWCON FKXEWER0 FKXEWITA
FKXEWITB FKXEWITC FKXEWITD FKXEWIT0
FKXEWIT1 FKXEWIT5 FKXEWIT6 FKXEWIT7
FKXEWIT8 FKXEWIU0 FKXEWIU1 FKXEWIU2
FKXEWLOG FKXEWRSP FKXEWRTR FKXEWSVR
FKXEWSVS FKXEWSVU FKXEW390 FKXEXCIP
FKXEXLAT

Deleted Command Lists

CNMENV39 CNMEOUTS CNME1502 CNME7023
FKWCMDS FKWEAID1 FKWEAID2 FKWEAID3
FKWEAMS1 FKWECAU FKWECAUC FKWECAUQ
FKWECMDS FKWECMD1 FKWECPRT FKWEC100
FKWEC110 FKWEC120 FKWEDBBR FKWEDBB2
FKWEDB1A FKWEDB10 FKWEDB20 FKWEDUP1
FKWEF005 FKWEIADL FKWEIBRL FKWEIBRP
FKWEIBR2 FKWEICAL FKWEICAP FKWEILMU
FKWEILM1 FKWEIQNT FKWEISEL FKWEISLA
FKWEISLC FKWEISLD FKWEISLG FKWEISLL
FKWEISLP FKWEIVER FKWELADP FKWELAD1

FKWELAHD FKWELAH1 FKWELA01 FKWELA02
FKWELA03 FKWELBDG FKWELBPP FKWELBRG
FKWELBRP FKWELBR1 FKWELCAR FKWELCAU
FKWELCGL FKWELCLR FKWELDG FKWELDL
FKWELHDC FKWELLSB FKWELLS1 FKWELMCP
FKWELMR FKWELMSP FKWELMT FKWELMUP
FKWELMU1 FKWELNAF FKWELNBF FKWELNCF
FKWELNSC FKWELNSF FKWELOA1 FKWELOA3
FKWELOA4 FKWELOA5 FKWELOBC FKWELOB3
FKWELOB4 FKWELOB5 FKWELOB6 FKWELOCC
FKWELOC1 FKWELOS1 FKWELPAC FKWELPBC
FKWELPSS FKWELPT FKWELRFR FKWELROP
FKWELRUN FKWELR01 FKWELR02 FKWELSCA
FKWELSCB FKWELSCS FKWELSEG FKWELSEL
FKWELSE1 FKWELSLA FKWELSLB FKWELSLP
FKWELSL2 FKWELSTD FKWELSTH FKWELST1
FKWELTP1 FKWELTRA FKWELTR1 FKWELUAS
FKWELUBS FKWELUCS FKWELUDL FKWELUFA
FKWELUID FKWELULI FKWELULM FKWELULR
FKWELULS FKWELUMS FKWELUSF FKWELUSS
FKWELUSY FKWELUS1 FKWELUTL FKWELUTU
FKWELUUS FKWELU04 FKWEL00A FKWEL000
FKWEL110 FKWEMGRR FKWENETB FKWENMVT
FKWEO100 FKWEPUNM FKWERCMD FKWEROP1
FKWESEGU FKWESWIT FKWES10A FKWES100
FKWES110 FKWES121 FKWES122 FKWES125
FKWES130 FKWES200 FKWES210 FKWETIME
FKWEVIEW FKWEVIE1 FKWE100A FKWE1000
FKWE1001 FKWE1100 FKWE1110 FKWE1120
FKWE1130 FKWE1131 FKWE1140 FKWE1150
FKWE1160 FKWE1200 FKWE1210 FKWE1220
FKWE13SL FKWE13S2 FKWE13S3 FKWE1300
FKWE1310 FKWE1320 FKWE1330 FKWE1340
FKWE1350 FKWE1360 FKWE14BR FKWE14RF
FKWE1400 FKWE1410 FKWE1420 FKWE1430
FKWE1440 FKWE1450 FKWE1460 FKWE1500
FKWE1600 FKWE1610 FKWE1620 FKWE1630
FKWE1640 FKWE1650 FKWE8501 FKWE8502
FKWWIND2 FKWWIND3 FKXEIPSM FKXIPHIC
FKXIPLOS FKXIPPTR FKXIPSES FKXIPSGD
FKXIPSGR FKXIPSNG FKXIPSNM FKXIPSNS
FKXIPSNW FKXIPSSF FKXIPWND FKXWBINT
FKXWBRSP FKXWBRTR FLCACMSM FLCAEALH
FLCAEALT FLCAEAUT FLCAINW FLCANALH
FLCANAUT FLCANFSU FLCANNAU FLCANREQ
FLCANSER FLCANVER FLCARREQ FLCDJASS

Messages

This section lists new, changed, and deleted messages for migration considerations.

- "New Messages" on page 173
- "Changed Messages" on page 175
- "Deleted Messages" on page 178

New Messages

BNH757E The SAFNODEC setting will be used for surrogate decisions due to a problem with the dataspace for the SURROGAT class.

BNH758I Surrogate authorization using the SURROGAT class has resumed.

BNH759E *clist1* INVOKED AS *clist2* CAUSED THE AUTBYPAS *parm* LIMIT TO BE EXCEEDED

BNH760I *name* DOES NOT HAVE A CMDMDL STATEMENT OR IT IS NOT A COMMAND PROCEDURE

BNH761E Attempt to initialize socket interface on *ipStack* failed

BNH763E No IP address or hostname specified for PING

BNH764W Host name resolution timed out

BNH765I Pinging *ipHostname* at *ipAddress* with *count* packets of length *length* bytes

BNH766I Pinging *ipHostname* at *ipAddress* indefinitely with packets of length *length* bytes

BNH767I *numBytes* bytes received from *ipAddress*: seq=*number* in *time* ms

BNH768I Ping timed out

BNH769I *pingPackets* packets sent, *echoPackets* packets received, *percent*% packet loss

BNH770I Round trip times from *min* to *max* ms, averaging *avg* ms

BNH771I Pinging of *ipHostname* at *ipAddress result*

CNM005I *normal_SNMP_output*

CNM006E *SNMP_error*

CNM007I SNMP *request requestPDU* sent successfully

CNM008W SNMP *request* command encountered errors, RC = *rc*

CNM1200E Security exposure: You are using another person's credentials.

CNM1201E Browser's IP address is not authorized to connect to Tivoli NetView for z/OS *domain*.

CNM1202E User name must contain between 1 and 8 characters.

CNM1203E Password must contain between 0 and 8 characters.

CNM1204E User name or password is invalid.

CNM1205E User *name* is not authorized to use the MIB Browser.

CNM1206E User *name* is not authorized for SNMP set.

CNM1207E User *name* is not authorized to use the Real Time Poller.

CNM1208E User *name* is not authorized to execute SNMP *command_name* command.

CNM1209E Failed to obtain the z/NetView Access Servlet (FLB_NvServ) for NetView domain *domain*.

CNM1210E No credentials exists to access NetView for z/OS *domain*.

CNM1211E Unrecognized value for parm '*key*' that identifies the applet to launch: '*value*'

CNM1212E Missing parm '*key*' that identifies the applet to launch.

CNM1213E Missing parm '*key*' that identifies the NetView for z/OS domain to perform security checks.

CNM1214E *host* refused connection on port *portnumber*

CNM1215E Unable to resolve IP address for *host*

CNM1216E Unable to find route to *host*

CNM1217E Connect attempt to *host* interrupted

CNM1218E Connect attempt to *host* failed. Exception was *exception*

DSI760E No valid license certificate was found for this NetView program. NetView is terminating.

DSI761I NetView is terminating - IBM License Management call returned the following values: Return code: *retcode* Status code: *status*.

DWO082I (no text)

DWO978E URL WAS NOT DEFINED IN CNMSTYLE

DWO979I LIMIT REACHED - OUTPUT TRUNCATED

EZL003E RECOVERY PROCESSING CAN NOT BE PERFORMED. AON INITIALIZATION HAS NOT COMPLETED. RELATED DATA: *data*

EZL222I THERE IS NO DATA TO DISPLAY

EZL242I PROGRAM *program*-RUNCMD RETRY COUNT LIMIT OF *number* EXCEEDED FOR *resname*

EZL244E DSICTMOD RUNCMD TIMEOUT HAS BEEN EXCEEDED, RUNCMD TO *service point* FAILED FOR *program*.

EZL245E RCMD CORRWAIT TIMEOUT OF *seconds* SECONDS HAS BEEN EXCEEDED, RUNC MD TO *service point* FAILED FOR *program*.

EZL246E RUNCMD FAILED TO SP *spname* - RECEIVED MESSAGE *msgnum* SENSE CODE *sensecode*

FKX101I IDLE TIME THRESHOLD EXCEEDED FOR CONNECTION *conn_id* BETWEEN *stack_ipaddr* : *port* AND *client_ipaddr* : *port*. ACTION=NOTIFY SP=*sp_name* POLICY=*policy_name*.

FKX102I IDLE TIME THRESHOLD EXCEEDED FOR CONNECTION *conn_id* BETWEEN *stack_ipaddr* : *port* AND *client_ipaddr* : *port*. ACTION=DROP SP=*sp_name* POLICY=*policy_name*.

FKX104I MINIMUM BYTES THRESHOLD EXCEEDED FOR CONNECTION *conn_id* BETWEEN *stack_ipaddr* : *port* AND *client_ipaddr* : *port*. ACTION=NOTIFY SP=*sp_name* POLICY=*policy_name*.

FKX105I MINIMUM BYTES THRESHOLD EXCEEDED FOR CONNECTION *conn_id* BETWEEN *stack_ipaddr* : *port* AND *client_ipaddr* : *port*. ACTION=DROP SP=*sp_name* POLICY=*policy_name*.

FKX107I MAXIMUM BYTES THRESHOLD EXCEEDED FOR CONNECTION *conn_id* BETWEEN *stack_ipaddr* : *port* AND *client_ipaddr* : *port*. ACTION=NOTIFY SP=*sp_name* POLICY=*policy_name*.

FKX108I MAXIMUM BYTES THRESHOLD EXCEEDED FOR

	CONNECTION *conn_id* BETWEEN *stack_ipaddr* : *port* AND *client_ipaddr* : *port*. ACTION=DROP SP=*sp_name* POLICY=*policy_name*.
FKX510I	IPPORT MONITORING CANNOT BE STOPPED
FKX615I	CONNECTION DOES NOT EXIST
FKX682I	FUNCTION NOT SUPPORTED FOR z/OS *release*
FKX970I	NO SESSIONS MATCH DEFINED FILTER CRITERIA
FKX979E	UNIXSERV=YES IS REQUIRED ON TCP390 STATEMENT IN POLICY DEFINITION
IHS0181E	The *service* will continue recycling until it can successfully define a socket.
IHS0182I	<==Current *service* Service Settings==>
IHS0183I	CFG file : *cfgfilename* (*fromtype*)
IHS0184I	** The service is not active **
IHS0185I	*setting* = *value* (*fromtype*)
IHS0186I	Filter *number* slots:
IHS0187I	*slotname* = *slotvalue*
IHS0188I	FilterCache *number* slots:
IHS0189I	The adapter services are running in secure mode.
IHS0190E	*service*: Could not access the TestMode file.
IHS0191I	*service*: Number of ServerLocations (*number*) exceeds the maximum of *maximum*; ignoring extras.
IHS0192I	*service*: Server connections are suspended.
IHS0193I	*service*: Server connections have been resumed.
IHS0194E	*service*: A file access error occurred for the cache file.
IHS0195E	*service*: An event cannot be cached: The event size is greater than the maximum cache file size.
IHS0196I	*service*: File access errors have been corrected. Caching is resumed.
IHS0197E	*service*: Cache file corrupted. The current contents will be discarded.
IHS0198E	*service*: An event in the cache file is not properly terminated. The event will be discarded.
IHS0199E	*service*: An event in the cache file is too large for the Read buffer. The event will be discarded.
IHS0200I	*service*: Number of ServerPorts (*number*) exceeds the maximum of *maximum*; ignoring extras.
IHS0201I	*service*: At least one ServerLocation must be specified.

Changed Messages

BNH064I	DISTRIBUTED ORIGIN ORIGIN ORIGIN
BNH065I	AUTOTASK NETVIEW OPERATOR VERSION TRANSPORT

BNH401E	LOAD FAILED FOR DB2® INTERFACE MODULE '*module_name*' WITH ABEND CODE = X'*abend_code*' AND REASON CODE = X'*reason_code*'
BNH652I	NETVIEW RESOURCE MANAGER IS TERMINATING DUE TO '*reason*'
DSI231I	NO *element* IS ACTIVE
DUI400W	IP COMMUNICATIONS SETUP FOR IP *ipid*:*port* HAS FAILED. THE NETCONV START COMMAND IS REJECTED.
DUI401I	NETCONV COMMAND PROCESSED SUCCESSFULLY. COMMUNICATION TO IP *ipid*:*port* STARTED.
DUI402I	IP *ipid*:*port* HAS ALREADY BEEN STARTED BY *operatorid*. CONDITION CODE = *condcode*
DUI404E	NETCONV START FOR IP *ipid*:*port* REJECTED. DSIMQS FAILED WITH RC=*retcode*.
DUI405E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: TCP/IP HAS TERMINATED.
DUI406E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: VTAM TPEND.
DUI407I	A DUPLICATE NETCONV START REQUEST WAS ISSUED FOR IP *ipid*:*port*. THE REQUEST IS IGNORED.
DUI408I	A NETCONV STOP REQUEST FOR IP *ipid*:*port* THAT WAS ISSUED BY *operatorid* COULD NOT BE PROCESSED.
DUI409E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: OST ABEND.
DUI410E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: OPERATOR LOGOFF.
DUI411E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: CNMTAMEL TASK IS TERMINATING.
DUI412E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: FATAL ERROR DURING RECEIVE.
DUI413E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: FATAL ERROR DURING SEND.
DUI414E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: FATAL ERROR
DUI415E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: RECEIVED DATA THAT WAS NOT VALID.
DUI416E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: WORKSTATION FATAL ERROR.
DUI417I	NETCONV COMMAND PROCESSED SUCCESSFULLY. COMMUNICATION TO IP *ipid*:*port* STOPPED.
DUI419I	COMMUNICATION TO IP *ipid*:*port* TERMINATED NORMALLY. THE COMMUNICATION SERVER CLOSED THE SOCKET.
DUI421E	THE NETCONV START COMMAND HAS FAILED BECAUSE IP *ipid*:*port* IS COMMUNICATING WITH ANOTHER STATUS

	FOCAL POINT, IS RUNNING AN UNSUPPORTED LEVEL OF NMC, OR IS ALREADY COMMUNICATING WITH THIS STATUS FOCAL POINT.
DUI422E	CNMTAMEL FAILED TO RECEIVE DATA FROM IP '*ipid*:*port*' DUE TO A STORAGE SHORTAGE. REQUESTED AMOUNT = *amount* BYTES.
DUI423E	COMMUNICATION TO IP *ipid*:*port* TERMINATED ABNORMALLY: WORKSTATION NOT RESPONDING.
DUI424I	OPERATOR *operatorid* IS COMMUNICATING WITH WORKSTATION AT IP *ipid*:*port*.
DUI461I	IP *ipid*:*port* NOT AVAILABLE FOR WORK; REQUEST TO THIS IP WAS ABORTED.
DUI500E	CNMTAMEL RECEIVED CORRUPTED DATA FROM IP *ipid*:*port*.
DUI611I	THE OPERATOR ID AND PASSWORD FOR GRAPHIC MONITOR OPERATOR *operatorid* HAS BEEN VERIFIED. *ipid*:*port* IS THE SERVER PWS SERVING THIS GRAPHIC MONITOR.
DUI623E	CNMTAMEL IS UNABLE TO ALLOCATE *bytes* BYTES OF STORAGE FOR SENDING A REQUIRED RESPONSE TO SERVER PWS AT IP *ipid*:*port*
DUI625E	CNMTAMEL COULD NOT SEND A DATA PACKET TO THE DATA SERVER AT IP *ipid*:*port* BECAUSE OF A STORAGE SHORTAGE.
DUI627E	CNMTAMEL FAILED TO SEND DATA TO THE DATA SERVER AT IP *ipid*:*port* DUE TO AN MQS FAILURE.
	TYPE = *sesstype* STATUS = *sessionstat* SESSION = *session*
DWO948I	RECEIVER RECEIVER BUFFER QUEUED TOTAL STORAGE RCVR
DWO949I	IDENTITY STATUS LIMIT BUFFERS BUFFERS ALLOCATED ASID
DWO950I	-------- -------- ---------- ---------- ---------- ---------- ----
DWO951I	&1 ACTIVE &2 &3 &4 &5 &6
EZL970I	NO TIMERS ARE SCHEDULED FOR THE FILTER CRITERIA *'filter'* ON *'target'*
EZL971I	REQUESTED TIMERS WERE DELETED ON *'target'*
EZL973I	REQUESTED TIMER *timer* ADDED ON *' target'*
EZL974I	REQUESTED TIMER *timer* CHANGED ON *'target'*
EZL975I	REQUEST FAILED TIMER *timer* ALREADY EXISTS ON *'target'*
FLB010E	FLBTOPO RECEIVED RETURN CODE *retcode*, ABEND CODE *abncode*, REASON CODE *rsncode*, ATTEMPTING TO LOAD MODULE '*module*'
FLB534E	TOPOSNA *requestparm* COMMAND HAS INCORRECT RODM OBJECT ID '*rodmobjectid*'
IHS0076I	TASK=*task* LEVEL=*level* IP=*iptrace*
IHS0094E	*service*: Initialization failed. The configuration file is *configfile*.

Deleted Messages

AAU971I BNH180I BNH191I BNH193I
BNH201E BNH204E BNH216E BNH260I
BNH292I BNH320W BNH325W BNH332I
BNH746E CNM1100I CNM1101E CNM1102E
CNM1103I CNM1104I CNM1105E CNM1106I
CNM1107I CNM1108E CNM1109E CNM1110E
CNM1111E CNM1112E CNM1113E CNM1114E
CNM1115E CNM1116E CNM1117E CNM1118E
CNM1119E CNM1120E CNM1121E CNM1122I
CNM1123E CNM1124E CNM1125E CNM1126I
DSI088I DSI181I DSI182I DSI183I
DSI211I DSI212I DSI218I DSI796I
DUI543E DUI544E FLB200I FLB201E
FLB202I FLB204E FLB205E FLB206E
FLB207E FLB208W FLB209E FLB210E
FLB211E FLB212E FLB213E FLB214I
FLB215W FLB216E FLB217E FLB218I
FLB219E FLB220E FLB221E FLB222E
FLB223E FLB224I FLB226W FLB227I
FLB228I FLB229I FLB230I FLB231W
FLB232E FLB233E FLB234E FLB235E
FLB236E FLB237E FLB238I FLB239E
FLB243W FLB244E FLB245E FLB247E
FLB248I FLB250E FLB251E FLB252E
FLB253E FLB260I FLB261I FLB262I
FLB263I FLB264I FLB265I FLB266I
FLB267I FLB268I FLB269I FLB270I
FLB271I FLB272I FLB273I FLB274I
FLB275I FLB276I FLB277I FLB278I
FLB279I FLB280I FLB281I FLB282I
FLB283I FLB284I FLB285I FLB287I
FLB428E FLB510I FLB511I FLB512I
FLB513I FLB514E FLB515E FLB518E
FLB519E FLB522E FLB523E FLB526E
FLB527E FLB530E FLB531E FLB535I
FLB536I FLB569I FLB570I FLB571I
FLB572I FLB573I FLB574I FLB575I
FLC123I FLC124I FLC125I FLC127I
FLC128I

Additionally, all FKW, FLCA, FLCE, and FLCF messages were deleted, except the following which were renamed:

Table 46. NetView V5R1 Message IDs That Were Renamed

Pre-NetView V5R1 Message ID	NetView V5R1 Message ID
FKW201I	EZL242I
FKW204I	EZL222I
FKW732E	EZL244E
FKW733E	EZL245E
FKW829E	EZL246E

Samples

This section lists new and deleted samples for migration considerations.

- "New Samples"
- "Deleted Samples"

New Samples

CNMSAF2
CNMSBAK1
CNMSCAT2
CNMSPAN2
CNMSRPLY
CNMSHTSP
CNMSURLS
DSIAUTB
DSIAUTBU
DSICMD51
DSIPROFG
DSIW3PRF
FKXSCM
FKXSDVPT
FKXVHTML
FKXWHTML
FLCAINP

Deleted Samples

CNM$SAMP
CNMIPDCN[1]
CNMSXBAS
CNMSXMON
DSICMPRC
DSICMRMT
DSIDMNK
DSISPN
EKG$1SYS
EKG$4SYS
EKG$8SYS
EZL$5SYS
EZLJSMTP
FKWCFGDL
FKWCFG01
FKWCGLOB
FKWCMD
FKWHELP
FKWNDCMD
FKWOPF
FKWTABLE
FKWTREE
FKXCM[2]
FKXSNMP[3]
FLBGMMPR
FLBSYSDA
FLBS4210
FLBS4211
FLCSAALH
FLCSAINP
FLCSDM6A
FLCSDM6N
FLCSEALH
FLCSEALT
FLCSEAUT
FLCSIATM
FLCSINW
FLCSNALH
FLCSNAUT
FLCSNNAU
IHSDNODE[4]
IHSDPOLL[5]
IHSDRESO[6]
IHSDTEMP[7]
IHSDVIEW[8]
IHSMIBS[9]
IHSPCONF[10]
IHSPJDMS[11]
IHSSNMP[12]
IHSSRVR[13]

File names in UNIX system services:

1. ipdiscovery.conf
2. fkxcm
3. fkxsnmp.grp
4. node.def
5. pollobj.def
6. resource.def
7. template.def
8. view.def
9. nv390mibs.def
10. config.properties
11. JdmServerProperties.txt
12. snmp.conf
13. nv390srvr.conf

Appendix C. Changes from Tivoli NetView for z/OS Version 5 Release 1 to Tivoli NetView for z/OS Version 5 Release 2

This appendix lists new, changed, and deleted:

Note: The lists in this section are listed alphabetically from left to right.

Command Lists

This section lists new and deleted command lists for migration considerations.

New Command Lists

CNMCRMSG	CNMEABND	CNMEAUX	CNMEBCOR
CNMECMNM	CNMECONV	CNMECRG	CNMEDCNV
CNMEDCST	CNMEDCSY	CNMEDCUT	CNMEDC0A
CNMEDC01	CNMEDC02	CNMEDC03	CNMEDC05
CNMEDC06	CNMEDC07	CNMEDPRV	CNMEEPAP
CNMEEPST	CNMEEPSY	CNMEERSC	CNMEFPTC
CNMEHTSP	CNMEMIG	CNMENVHB	CNMEPLXI
CNMESCAC	CNMESCCD	CNMESPAT	CNMESPAU
CNMESPAY	CNMESPIN	CNMESPRO	CNMESPWE
CNMESTMN	CNMETACC	CNMETACI	CNMETACN
CNMETACW	CNMETALW	CNMETAPK	CNMETAPW
CNMETRTE	CNMEWEBM	CNMEXLCH	CNMEZPM1
CNMEZPM2	CNMEZPM3	CNMEZPM4	CNMEZZMG
CNME7200	CNME7201	CNME7203	CNME7204
CNME7205	CNME7210	CNME7211	CNME7212
CNME7213	CNME7221	CNME7225	CNMMONSY
FKXECOLD	FKXECOLS	FKXEDVSR	FKXEGTCN
FKXEGTDT	FKXEGTIF	FKXEGTPF	FKXEGTPT
FKXEGTST	FKXEIDSA	FKXEIDSC	FKXEIDSE
FKXEIDSR	FKXESTCK	FKXETRA6	FKXEVP1X
FKXEVP2X	FKXEVP3X	FKXEWPNG	FKXEWSVM
FKXEWTRA	FKXE221A		

Deleted Command Lists

EZLEIPIL	EZLEIPLR	FKXEDCON	FKXEIDST
FKXEIDVF	FKXEIGEN	FKXEIHIC	FKXEIHLP
FKXEILGO	FKXEILOG	FKXEILOS	FKXEIPTR
FKXEISES	FKXEISSF	FKXEITRG	FKXEIWND
FKXENVDR	FKXEWBIN	FKXEWCON	FKXEWLOG
FKXEWRSP	FKXEWRTR	FKXEW390	READYRMT

Messages

This section lists new, changed, and deleted messages for migration considerations.

New Messages

AAU927I *modid locid* INVALID PURGE EXCEPTION LIST *xx*

BNH180I INTRUSION DETECTION MESSAGE RECEIVED.

BNH193I ERROR MONITORING SYSLOG '*filename*'

BNH202E UNIX SYSTEM SERVICE *service* FAILED. SOCKET CLOSED.

BNH299I *srvc_name* caching for *pattern* is disabled.

BNH541I lcldate lcltime (gmtdate gmttime) LOCAL TIME ADJUSTMENT STARTED

BNH542I lcldate lcltime (gmtdate gmttime) LOCAL TIME ADJUSTMENT ENDED

BNH557E MISMATCH DETECTED BETWEEN var1 AND var2 ENTRIES IN var3.

BNH648I *member_id* removed from cache by *action*

BNH649I No members cached by *srvc_name* found for the action *action_name*

BNH738E COMMAND NOT PROCESSED — PPI SEND FAILURE

BNH750I *member_id* was cached by *task_name*

BNH772I NUMBER OF CONNECTIONS: *numcon*, MISSED BUFFERS: *missbuf*

BNH773I NUMBER OF PACKETS: *nump*, MISSED BUFFERS: *missbuf*, TCPNAME: *tname*

BNH780I UNABLE TO SEND EVENT TO CORRELATION ENGINE.

BNH781I CORRELATION ENGINE MESSAGE RECEIVED.

BNH782I NO MESSAGE/MSU FOUND FOR CORRELATION EVENT *event*.

BNH783I *number* CORRELATION MESSAGES/MSUS PURGED.

BNH784I CORRSERV COMMAND ACCEPTED.

BNH785I CORRELATION FAILED. MQS FAILED TO DSICORSV. RC = *rc*.

BNH786I EVENT THRESHOLD *nn* REACHED.

BNH787I CORRSERV STATUS command response data

BNH788I COMMAND RESPONSE TO *command* RECEIVED

BNH789I CORRELATION LOOP DETECTED. MESSAGE/MSU REJECTED.

BNH790I NetView Resource Agent ***domain*** is down-level. Processing continues.

BNH791I ADDRESS FAMILY IS ***family***

BNH792I PORT NUMBER IS ***nnn***

BNH793I SOCKET TYPE IS ***socktype***

BNH794I PROTOCOL NUMBER IS ***nnn***

BNH795I SCOPE ID IS ***scopeid***

BNH796I SERVICE NAME IS ***service***

BNH797I CONVERSION FAILED FOR IP ADDRESS ***ipaddress*** WITH RC ***retcode***. COMMAND PROCESSING TERMINATED.

BNH798I NO INTERFACES WERE RETURNED

BNH799I INTERFACE NAME IS ***name***

BNH800I INTERFACE ADDRESS IS ***address***

BNH801I INTERFACE INDEX IS ***nnn***

BNH802I SOCKET ***nnn*** ADDRESS FAMILY IS INCOMPATIBLE WITH IP ADDRESS ***address***

BNH803I VALUE ***value1*** FOR KEYWORD ***keyword1*** CONFLICTS WITH VALUE ***value2*** FOR KEYWORD ***keyword2***

BNH804I NETVIEW TIVOLI ENTERPRISE PORTAL AGENT *'agent_info'* INTERFACE INITIALIZATION IS *action*

BNH805I NETVIEW TIVOLI ENTERPRISE PORTAL AGENT *'agent_info'* INTERFACE IS TERMINATING DUE TO *'reason'*

BNH806I TAKE ACTION COMMAND *'command'* RECEIVED FOR TASK *task_name*

BNH807I TAKE ACTION RESPONSE SENT FOR COMMAND *'command'* TASK *task_name*

BNH808I TAKE ACTION COMMAND *'command'* FAILED FOR TASK *task_name*

BNH809I DVIPA DATA IS NOT AVAILABLE FOR DOMAIN *domain*

BNH810I Tracing IP route to *target* max *hops* hops

BNH811I *hop*: *addr* (*name*) *t1*ms *t2*ms *t3*ms...*tn*ms

BNH812I *command* ISSUED FOR *task_name* COMPLETED WITH STATUS *code*

BNH816I SYSPLEX IP STACK MANAGER INITIALIZATION IS COMPLETE

BNH817I SYSPLEX IP STACK MANAGER INITIALIZATION IS STARTING

BNH818I SYSPLEX IP STACK MANAGER IS ENDED DUE TO OPERATOR REQUEST

BNH819E SYSPLEX IP STACK MANAGER RECEIVED UNRECOGNIZED DATA WHILE PROCESSING *key*

BNH820E INVALID IP ADDRESS *ipaddr* SPECIFIED

BNH821I AT-TLS CONNECTION STATUS: X*'connection-status'*

BNH822I AT-TLS POLICY STATUS: X*'policy-status'*

BNH823I AT-TLS ENCRYPTION PROTOCOL: X*'protocol'*

BNH829E AT-TLS POLICY X*'policy-status'* NOT SUPPORTED

BNH830I ONE OR MORE SPECIFIED OUTPUT ORDERS ARE NOT SUPPORTED IN A WHEN STATEMENT

BNH831I	DISPLAY OF NETVIEW TIVOLI ENTERPRISE PORTAL AGENT CONNECTIONS
BNH832I	TASK STATUS TCP/IP SOURCE PORT IP HOST
BNH833I	NAME NAME NAME ADDRESS NAME
BNH834I	*insert1 insert2 insert3 insert4 insert5 insert6 insert7*
BNH835I	DISPLAY OF MAPPED TIVOLI ENTERPRISE PORTAL USER IDS
BNH836I	TIVOLI ENTERPRISE PORTAL USER ID NETVIEW OPERATOR ID
BNH837I	*insert1 insert2*
BNH875I	COMMON_BASE_EVENT. TYPE: *type* MSG: *msg*
BNH876E	ERROR PROCESSING TEMPLATE TAG *tag* ON LINE *linenumber*. REASON: *cde*
BNH883I	CBE TEMPLATE *template* NOT FOUND.
BNH884I	CBE TEMPLATE MEMBER *member* SUCCESSFULLY LOADED.
BNH885I	NO CBE TEMPLATES LOADED.
BNH886I	CBE TEMPLATES *template* FOUND. CONTENTS ARE:
BNH887I	CBE TEMPLATE NAME *template* that is not valid was specified.
CNM012I	REVISION TABLE *table_name*, LOADED BY *task_name*, HAS EXAMINED *count* MESSAGES SINCE BEING LOADED, *date time*
CNM014I	REVISION TABLE REPORT FOLLOWS:
CNM015I	TOTAL HITS FOR THE FOLLOWING UPON OR UPON-GROUP: *number*
CNM594I	NO MATCH WAS FOUND. LBFINDMX WAS EXCEEDED. ENTER RFIND TO CONTINUE.
CNM597I	MAXIMUM ERROR COUNT EXCEEDED
DSI047E	*operation* failed: *tower* not enabled.
DSI500I	*object* restarted.
DSI891I	USING DEFAULT MEMBER – *member*
DSI892I	*keyword* KEYWORD USING DEFAULT VALUE OF *value*
DSI893E	*cmd_name* COMMAND FAILED WITH A RC = *rc* : *command*
DSI894E	UNMATCHED COMMENT DELIMITER IN MEMBER *member_name*
DSI895E	UNMATCHED QUOTE IN MEMBER *member_name* ON LINE *line_no*
DSI896E	*utility* COMPLETED WITH RC = *rc*
DSI897E	COULD NOT FIND ANY DATA SETS FOR DDNAME *ddname*
DSI898E	COULD NOT FIND MEMBER *member_name* IN DDNAME *ddname*
DWO083I	*text*
DWO084E	The value *value* specified for keyword *keyword* on the *command* command is incorrect. It is too long.

DWO085E The value 'MEM-' was specified for the MODFILT keyword without a member name following 'MEM-'.

DWO086I *ddname* member *member* contains no MODFILT filter entries.

DWO087E *ddname* member *member* contains the following incorrect MODFILT filter entry: '*MEM-badmem*'. Nesting members is not permitted.

DWO088E An error was encountered while processing *ddname* member *member*.

DWO089I *type* not currently decoded. The trace record follows.

EKG1927E *jobname*: JCL EXEC STATEMENT PARAMETER FOR THE ROUTE CODE OPTION IS NOT VALID

EZL230E REQUIRED PARAMETER *parm* MISSING FROM *entry* STATEMENT IN *name* FILE

EZL442I INFORM LOG MEMBER NOT DEFINED

EZL478E INFORM LOG MEMBER *member_name* CONTAINS INVALID DATA

EZL479I INFORM LOG MEMBER *member_name* CONTAINS NO ENTRIES

EZL510I *restype resname* WAS REPORTED AS UNAVAILABLE, BUT IS NOW AVAILABLE (REPORTED BY *reporter*)

EZL710I EZL710I One or more *policy_type policy_name* keywords found.

FKX300I IDS EVENT RECEIVED : DIPADDR=*dest_ip_addr*, SIPADDR=*src_ip_addr*, CORRELATOR=*nnnn*. MEMBER=*member_name*

FKX301I IDS EVENT THRESHOLD OF *nnn* EVENTS DURING INTERVAL *interval* REACHED FOR STACK *stackname*

FKX303I IDS EVENT DETECTED CONTAINS UNKNOWN *probeid*

FKX305I IDS EVENT DETECTED FOR DESTINATION IP ADDRESS *dest_ip_addr* BUT COULD NOT CORRELATE TO A KNOWN TCP/IP STACK.

FKV655I NO DIRECTORY INFORMATION RELATED TO RESOURCE *cpname* IS AVAILABLE

Changed Messages

AAU130I REQUESTED TRACE FUNCTION IS PENDING GTF START WITH USR OR USRP OPTION

AAU270I SYNTAX ERROR INVOLVING BEFORE PHRASE OR PEXLST PARAMETER

BNH197E UNABLE TO WRITE TO EXTERNAL LOG, CMDDEF STATEMENT DSIELDAT IS MISSING

BNH642I *requestname* DISPLAY TERMINATED DUE TO UNEXPECTED ERROR

BNH681I DOMAIN TASK COMMUNICATION IP HOST

BNH682I NAME NAME MODE ADDRESS NAME

BNH684I *domain taskname mode ipaddress hostname*

BNH760I *name* DOES NOT HAVE A CMDDEF STATEMENT OR IT IS NOT A COMMAND PROCEDURE

BNH763E No IP address or hostname specified for *command*

CNM008W SNMP *request* command encountered errors

CNM330E *command* : *parm* PARAMETER MISSING OR INCORRECT

CNM516E VALUE SPECIFIED FOR "*name*" *type* IS TOO LONG IN *ddname* MEMBER *member_name*

CNM518E AN INVALID NULL QUOTED STRING WAS SPECIFIED FOR "*name*" *type*

CNM552I NO MVS CONSOLE ASSIGNED TO THIS OPERATOR

CNM567I NO MVS CONSOLE AVAILABLE—TRY AGAIN LATER

CNM569I MVS CONSOLE RELEASED

DSI141I *macro* FAILED. REGISTER 15 = X'*code*', REGISTER 0 = X'*code*', LUNAME = *luname extra extra*

DSI590I CMDDEF STATEMENTS MAY BE MISSING FOR *module*

DUI373E NETVIEW SUBSYSTEM NOT AVAILABLE FOR PROGRAM TO PROGRAM INTERFACE REQUEST FROM *task*.

DUI400W IP COMMUNICATIONS SETUP FOR IP '*ipid*:*port*' HAS FAILED. THE NETCONV START COMMAND IS REJECTED.

DUI401I NETCONV COMMAND PROCESSED SUCCESSFULLY. COMMUNICATION TO IP '*ipid*:*port*' STARTED.

DUI402I IP '*ipid*:*port*' HAS ALREADY BEEN STARTED BY *operatorid*. CONDITION CODE = *condcode*

DUI404E NETCONV START FOR IP '*ipid*:*port*' REJECTED. DSIMQS FAILED WITH RC=*retcode*.

DUI405E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: TCP/IP HAS TERMINATED.

DUI406E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: VTAM TPEND.

DUI407I A DUPLICATE NETCONV START REQUEST WAS ISSUED FOR IP '*ipid*:*port*'. THE REQUEST IS IGNORED.

DUI408I A NETCONV STOP REQUEST FOR IP '*ipid*:*port*' THAT WAS ISSUED BY *operatorid* COULD NOT BE PROCESSED.

DUI409E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: OST ABEND.

DUI410E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: OPERATOR LOGOFF.

DUI411E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: CNMTAMEL TASK IS TERMINATING.

DUI412E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: FATAL ERROR DURING RECEIVE.

DUI413E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: FATAL ERROR DURING SEND.

DUI414E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: FATAL ERROR

DUI415E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: RECEIVED DATA THAT WAS NOT VALID.

DUI416E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: WORKSTATION FATAL ERROR.

DUI417I NETCONV COMMAND PROCESSED SUCCESSFULLY. COMMUNICATION TO IP '*ipid*:*port*' STOPPED.

DUI419I COMMUNICATION TO IP '*ipid*:*port*' TERMINATED NORMALLY. THE COMMUNICATION SERVER CLOSED THE SOCKET.

DUI421E THE NETCONV START COMMAND HAS FAILED BECAUSE IP '*ipid*:*port*' IS COMMUNICATING WITH ANOTHER STATUS FOCAL POINT, IS RUNNING AN UNSUPPORTED LEVEL OF NMC, OR IS ALREADY COMMUNICATING WITH THIS STATUS FOCAL POINT.

DUI422E CNMTAMEL FAILED TO RECEIVE DATA FROM IP '*ipid*:*port*' DUE TO A STORAGE SHORTAGE. REQUESTED AMOUNT = *amount* BYTES.

DUI423E COMMUNICATION TO IP '*ipid*:*port*' TERMINATED ABNORMALLY: WORKSTATION NOT RESPONDING.

DUI424I OPERATOR *operatorid* IS COMMUNICATING WITH WORKSTATION AT IP '*ipid*:*port*'.

DUI4022A GMFHS INITIALIZATION CHECKPOINT PARAMETER *keyword* IS INVALID OR CONFLICTS

DUI4030E RODMNAME MISSING FROM GMFHS INITIALIZATION PARAMETERS

GMFHS INITIALIZATION PARAMETER *parameter_name* VALUE IS NOT VALID OR IS OUTSIDE ALLOWED LIMITS

DWO339I *command* COMMAND FAILED. TASK '*task*' HAS ALREADY OBTAINED CONSOLE '*console*'.

Deleted Messages

CNM907I DSI629I

Samples

This section lists new and deleted samples for migration considerations.

- "New Samples"
- "Deleted Samples" on page 188

New Samples

CNMCMD	CNMCMDO	CNMCMDU	CNMCMENT
CNMCMSYS	CNMCRGI1	CNMCRGI2	CNMPOLCY
CNMSCBEA	CNMSCBET	CNMSCM	CNMSEPTL
CNMSJCRG	CNMSJI10	CNMSJKVW	CNMSJMIG
CNMSJZCE	CNMSMRT1	CNMSMSGT	CNMSTCPC

CNMSTIDS	CNMSTUSR	CNMSTWBM	DSITCONM
DSIZCECF	DSIZCETB	EZLCMENT	EZLSI300
EZLSI301	FKVCMENT	FKXCMENT	IHSCRPRP[1]
IHSJLOGP[2]	IHSRTDTD[3]	IHSTLS00[4]	IHSTLS01[5]
IHSUASJZ[6]	IHSUSCMP[7]	IHSZRLES[8]	

File names in UNIX system services:

1. correlator.properties
2. corJlog.properties
3. rule.dtd
4. znetview_at-tls_readme.txt
5. znetview_at-tls_example.tar
6. UserActionSample.java
7. usercomp.sh
8. znvrules.xml

Deleted Samples

CNMSHTSP	CNMSI201	CNMSI301	CNMSI601
CNMSJI00	CNMSJI07	CNMSJI12	CNMSJI18
CNMSJI21	CNMSJI23	CNMSJI24	CNMSURLS
DSICMD	DSICMDU	DSICMENT	DSICMSYS
EKGSID03	EKGSI102	EKGSJ004	EZLCMD
EZLJ1ALC	EZLSID01	EZLSI201	EZLSJ006
EZLSJ008	EZLSJ100	FKVCMD	FKXCMD
FKXVHTML	FKXWHTML		

Appendix D. Changes from Tivoli NetView for z/OS Version 5 Release 2 to Tivoli NetView for z/OS Version 5 Release 3

This appendix lists new, changed, and deleted:

- "Command Lists"
- "Messages"
- "Samples" on page 191

Note: The lists in this section are listed alphabetically from left to right.

Command Lists

This section lists new and deleted command lists for migration considerations.

- "New Command Lists"
- "Deleted Command Lists"

New Command Lists

	CNMDLAQ	CNMDLAR	CNMEAPCS	CNMECKPT
	CNMEDUPS	CNMETSTL	CNME1038	CNME8200
	CNME8202	CNME8203	CNME8204	CNME8205
	CNME8210	CNME8211	CNME8212	CNME8213
	CNME8221	CNME8225	CNME8230	CNME8240
>	CNMFTP	FKXECOLT	FKXECSF	FKXEDVPI
>	FKXEDVP4	FKXEIPMI	FKXE221B	

Deleted Command Lists

No command lists were deleted for V5R3

Messages

This section lists new, changed, and deleted messages for migration considerations.

- "New Messages"
- "Changed Messages" on page 191
- "Deleted Messages" on page 191

New Messages

	AAU148I	FORMATTED RU NOT AVAILABLE
>	**BNH533I**	*data*
	BNH775I	NUMBER OF CONNECTIONS: *numcon*
	BNH838W	PORT *portnum* ON HOST *host* IS NOT RESPONDING
	BNH839I	PORT *portnum* ON HOST *host* IS ACTIVE
	BNH840W	SOCKET ERROR OCCURRED DURING IPPORTMON PROCESSING
	BNH841E	*parm* PARAMETER MISSING FROM IPPORTMON DEFINITIONS

BNH842I NO IPPORTMON DEFINITIONS FOUND

BNH843I NO DUPLICATE ENTRIES FOUND IN FILE *file*

BNH844W FILE *file* HAS DUPLICATE ENTRIES

BNH845I NUMBER OF STACKS: *numstack*

BNH846I NUMBER OF DVIPA DEFINITIONS: *numdvipa*

BNH847I NUMBER OF DVIPA SYSPLEX DISTRIBUTORS: *numdist*

BNH848I NUMBER OF DVIPA DISTRIBUTOR TARGETS: *numtargs*

BNH849I NUMBER OF DVIPA CONNECTIONS: *numconns*

BNH850I NUMBER OF PORTS: *numports*

BNH851I SUBNODE *subnode* HAS NO HEARTBEAT. DEREGISTERING SUBNODE

BNH852I COMMAND OPERAND MISSING

BNH853I COMMAND UNKNOWN: *command*

BNH854I NETVIEW ENTERPRISE MANAGEMENT AGENT SHUTDOWN OR STOP REQUESTED

BNH855E ERROR INITIALIZING THE NETVIEW ENTERPRISE MANAGEMENT AGENT

BNH856I NETVIEW ENTERPRISE MANAGEMENT AGENT INITIALIZED SUCCESSFULLY.

BNH857I PROGRAM TO PROGRAM INTERFACE *ppi_type ppi_name*

BNH858I NETVIEW ENTERPRISE MANAGEMENT AGENT PROGRAM TO PROGRAM INTERFACE IS *status*

BNH859I NETVIEW ENTERPRISE MANAGEMENT AGENT COMMUNICATION LAYER CURRENTLY TRACING: *trace_types*

BNH860W NETVIEW ENTERPRISE MANAGEMENT AGENT FAILED TO INITIALIZE PPI RECEIVER: *receiver*, RC: *return_code*

BNH877I NETVIEW ENTERPRISE MANAGEMENT AGENT INTERFACE IS READY FOR WORK

BNH878I NETVIEW ENTERPRISE MANAGEMENT AGENT INTERFACE HAS TERMINATED

BNH879I NETVIEW ENTERPRISE MANAGEMENT AGENT *domain* SUBNODE IS ACTIVE

BNH880I NETVIEW ENTERPRISE MANAGEMENT AGENT *domain* SUBNODE IS INACTIVE

BNH881I DATA COLLECTION FAILED FOR SUBTOWER *subtower_name*, REASON '*reason_code*'

BNH882I DATA TRUNCATED FOR WORKSPACE *workspace*, MAXIMUM ROW SIZE EXCEEDED

BNH888I DISPLAY OF NETVIEW ENTERPRISE MANAGEMENT AGENT CONNECTIONS

BNH889I TASK STATUS SOURCE DEST PPI LCL PPI

BNH890I NAME NAME RECEIVER RECEIVER

BNH891I	DATA COLLECTION INTERVAL *interval_name* DEFAULTED TO *interval*
BNH892I	DISPLAY DATA COLLECTION STATISTICS
CNM016W	TRANSMISSION BY *trname* WAS UNSUCCESSFUL. SEE *logfile* FOR ADDITIONAL INFORMATION.
> **FKX518I**	Cannot start IPMGT because the POLICY is not loaded
> **FKX519I**	AONTCP TOWER ACTIVE. IPMGT INITIALIZATION TERMINATED

Changed Messages

BNH066I	*taskid o_netview o_opid VxRy* N/A *transport*
BNH804I	'*intfc_name*' '*intfc_qual*' INTERFACE INITIALIZATION IS *action*
BNH805I	'*intfc_name*' '*intfc_qual*' INTERFACE IS TERMINATING DUE TO *'reason'*
DSI461A	SRCLU = *srclu* UNABLE TO ACCEPT A SESSION FROM APPLID = *applid*, SENSE = X'sense'
DWO575I	*session_type* TERMINATED ON *netid.luname* WITH SENSE: X*'sensecode'*
DWO746I	THE *process* FAILED. PROGRAM-TO-PROGRAM INTERFACE REQUEST TYPE IS *request_type*, RETURN CODE IS *retcode*.

Deleted Messages

BNH067I	CNM710I	CNM713I	CNM722E

Samples

This section lists new and deleted samples for migration considerations.

- "New Samples"
- "Deleted Samples"

New Samples

> CNMIPMGT	CNMSDVIP	CNMSDVPC	CNMSEMAA
CNMSJEMA	CNMSJI04	CNMSJI05	CNMSJIE1
CNMSJIE2	CNMSJIE3	CNMSJIE4	CNMSPLEX
CNMSSTAC	CNMSTARG	CNMSTATE	CNMTRAPI
DSIPROFN	FKXIPMTB	FKXOPFIP	

Deleted Samples

| FLCSINF

Appendix E. AON CMDDEF Statements Not Requiring SEC=BY

The SEC=BY keyword can be removed from the AON CMDDEF statements for the commands that follow. Review your AON command security definitions to determine if removing this keyword is appropriate for your environment. The %INCLUDE members that are listed contain the CMDDEF statements for the NetView V5R3 program.

CNMCMENT

This section lists command definitions that have had the SEC=BY keyword removed. The CMDDEF statements are in %INCLUDE member CNMCMENT.

EZLEASLN	EZLENFRM	EZLERGWY	EZLE1900

EZLCMENT

This section lists command definitions that have had the SEC=BY keyword removed. The CMDDEF statements are in %INCLUDE member EZLCMENT.

EZLALOG	EZLASTS	EZLAUST	EZLE1CDL
EZLE1CNT	EZLE1DAL	EZLE1DOM	EZLE1FUL
EZLE1FWD	EZLE1GXC	EZLE1GXD	EZLE1GXE
EZLE1I01	EZLE1I02	EZLE1I03	EZLE1I04
EZLE1I05	EZLE1I06	EZLE1I07	EZLE1I08
EZLE1ICK	EZLE1IGT	EZLE1IMN	EZLE1INT
EZLE1ITF	EZLE1IXD	EZLE1IXL	EZLE1NTF
EZLE1RGT	EZLE1RNT	EZLE1RSP	EZLE1RTN
EZLE1RUD	EZLE1RUR	EZLE1RUT	EZLE1RUU
EZLE1RUX	EZLE1TMX	EZLE1UFW	EZLE1XMN
EZLE1XTF	EZLE4110	EZLE4120	EZLE7110
EZLE7210	EZLE8110	EZLE8120	EZLE8410
EZLE8611	EZLE8612	EZLEAAGD	EZLEAAIC
EZLEAANV	EZLEAAT1	EZLEAAT2	EZLEAAT3
EZLEAAT4	EZLEAAT5	EZLEAAT6	EZLEAAT8
EZLEAAT9	EZLEAATR	EZLEAATS	EZLEAC10
EZLEAC11	EZLEACG0	EZLEACG1	EZLEACG2
EZLEACG3	EZLEACG4	EZLEACG5	EZLEACG6
EZLEACG7	EZLEACG8	EZLEACG9	EZLEACGA
EZLEACGL	EZLEACGT	EZLEACKT	EZLEACNT
EZLEACST	EZLEACSX	EZLEACT1	EZLEACT2
EZLEADLY	EZLEAEXI	EZLEAFST	EZLEAGEN
EZLEAGN1	EZLEAGRN	EZLEAHED	EZLEAINL
EZLEAINT	EZLEAIOP	EZLEAIPL	EZLEAIRP
EZLEAISM	EZLEAJUL	EZLEALCL	EZLEALD1
EZLEALDR	EZLEALFL	EZLEALIC	EZLEALRS
EZLEALSW	EZLEANTL	EZLEARCY	EZLEARFR
EZLEARST	EZLEASAO	EZLEASCD	EZLEASCN
EZLEASTK	EZLEASTM	EZLEATDS	EZLEATRC
EZLEATST	EZLEAU01	EZLEAU02	EZLEAU03
EZLEAUCG	EZLEAUCL	EZLEAUS1	EZLEAUSF
EZLEAUST	EZLEAX00	EZLEAX01	EZLEBELG

AON CMDDEF Statements Not Requiring SEC=BY

EZLECAUT
EZLECHAU
EZLECHGF
EZLECTHR
EZLEDAN1
EZLEDTSK
EZLEDUTL
EZLEF001
EZLEF003
EZLEF004
EZLEF009
EZLEF00B
EZLEF00D
EZLEFAIL
EZLEGTID
EZLEHBLD
EZLEHRCY
EZLEICGS
EZLEICGV
EZLEIDNT
EZLEITWR
EZLELSTH
EZLEMCOL
EZLEMSU
EZLENDET
EZLENPS2
EZLEOIVT
EZLEOPER
EZLEPAR
EZLEPDEL
EZLEPDIS
EZLEPRCY
EZLERAIP
EZLERCMD
EZLERECV
EZLERMSU
EZLERNGE
EZLEROUT
EZLESLCT
EZLESNTX
EZLESRMD
EZLESTOP
EZLESTRT
EZLEVACT
EZLEVIEW
EZLEVINA
EZLEVMOV
EZLEW001
EZLEW002
EZLEXIT7
EZLIPLDT
EZLSACAF
EZLSATHR
EZLSAU07
EZLSCMOD
EZLSHNDE
EZLSMSU
EZLSNHLP
EZLSPIPS
EZLSTMEM
EZLSUSER
EZLSX001

FKVCMENT

This section lists command definitions that have had the SEC=BY keyword removed. The CMDDEF statements are in %INCLUDE member FKVCMENT.

EZLENCH1
EZLENCH2
EZLENCH3
EZLENCH4
FKVASNB
FKVE095A
FKVE1100
FKVE1101
FKVE1102
FKVE1103
FKVE1104
FKVE1110
FKVE1200
FKVE1300
FKVE1310
FKVE1320
FKVE1330
FKVE2100
FKVE270I
FKVE284A
FKVE285I
FKVE380I
FKVE464I
FKVE530I
FKVE881I
FKVE897I
FKVEA0IC
FKVEA200
FKVEA210
FKVEA410
FKVEADMP
FKVEAID1
FKVEAID2
FKVEAID3
FKVEAID4
FKVEAID5
FKVEAID6
FKVEAID7
FKVEAID8
FKVEAID9
FKVEAIDA
FKVEAIDB
FKVEAIDC
FKVEAIDD
FKVEAIDE
FKVEAIDF
FKVEAIDG
FKVEAIDH
FKVEAIDI
FKVEAIDJ
FKVEAIDK
FKVEAMS1
FKVEARLD
FKVECAPL
FKVECGBG
FKVECGCA
FKVECGCC
FKVECGCD
FKVECGDA
FKVECGDB
FKVECGDC
FKVECGDD
FKVECGDE
FKVECGDF
FKVECGDG
FKVECGEA
FKVECGEB
FKVECGEC
FKVECGED
FKVECGFD
FKVECGFF
FKVECGFG
FKVECGFH
FKVECGHA
FKVECGHB
FKVECGHD
FKVECHCM
FKVECHIN
FKVECHRP
FKVECHSG
FKVECHSR
FKVECNCP
FKVEDETL
FKVEF005
FKVEINIT
FKVEOG01
FKVEOG02
FKVEOG03
FKVEOG04
FKVEOG05
FKVEOG06
FKVEOG07
FKVEOG08
FKVEOG09
FKVEOI00
FKVEOPFI
FKVEOSEC
FKVERDIS
FKVETGSW
FKVEX74E
FKVEX74X
FKVEXACT
FKVEXCDB
FKVEXCON
FKVEXDIS
FKVEXINA
FKVEXMCH
FKVEXRES
FKVEXTRK
FKVSSNBU

FKXCMENT

This section lists command definitions that have had the SEC=BY keyword removed. The CMDDEF statements are in %INCLUDE member FKXCMENT.

FKXEACT2	FKXEAID1	FKXEAID2	FKXEAIDA
FKXEALRT	FKXEAMS1	FKXECATV	FKXEDDFP
FKXEGTID	FKXEHNDE	FKXEINIT	FKXENSTH
FKXEOTHR	FKXEPING	FKXESVPT	FKXWIND1
FKXWIND2			

AON CMDDEF Statements Not Requiring SEC=BY

Appendix F. Migrating to CNMSTYLE and CNMCMD

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. CNMSTYLE and its dependent members replace initialization that was performed in CNME1034 and in some DSIPARM definition statements in prior releases of the NetView program.

CNMCMD is a member of DSIPARM that contains command definitions. CNMCMD replaces DSICMD.

Sample CNMSJMIG in data set NETVIEW.V5R3USER.INSTALL uses CNMEMIG to assist in converting your CNME1034 and DSIPARM statements to the new CNMSTYLE format. This sample provides JCL that runs under the TSO terminal monitor program. Sample CNMSJMIG creates CNMSTYLE statements. In most cases, CNMSJMIG converts existing initialization statements into statements that provide equivalent settings. You will need to review the generated statements to validate that they provide the setting you want before enabling them in your installation. You can also use sample CNMSJMIG to migrate DSICMD files to the new CNMCMD format.

CNMEMIG performs system symbolic substitution, such as the &DOMAIN symbolic variable, when this information is supplied by the customer in sample CNMSJMIG. However, CNMEMIG does not support DSICMD source that contains Data REXX. Before running CNMEMIG to migrate DSICMD to CNMCMD, ensure that member DSICMD (or any member it includes) does not contain Data REXX. You can convert DSICMD to not contain Data REXX by running the following pipe under the NetView program from which you are migrating:

```
PIPE < DSICMD INCL | > 'altparmds(DSICMD)'
```

where *altparmds* is an alternate DSIPARM data set that will contain the converted DSICMD. Then specify this alternate data set in CNMSJMIG as the first data set in your OLDPARM data set concatenation. It is important that you run the above PIPE command under the NetView program from which you are migrating in order to preserve your current settings.

Note: While not necessary unless the SA tower is activated or the shipped CNMCMDx members are not used, this same procedure can be done for CNMCMD because it also contains Data REXX.

Sample CNMSJMIG requires the following data sets:

DSIPARM
The concatenated data set list containing current release versions of CNMSTYLE and CNMCMD.

OLDPARM
The concatenated data set list containing NetView definitions for the release from which you are migrating.

OLDCLD
The concatenated data set list containing command list files (CNME1034 and CNME1054) for the release from which you are migrating. If you have renamed these members for the release from which you are migrating,

place a copy of your members in the OLDCLD concatenation with the names CNME1034 and CNME1054 to enable the tool to find your customization.

DSIWRIT
The concatenated output data set list containing converted CNMSTYLE statements and intermediate output files.

Sample CNMSJMIG creates the following members in the output data sets specified by DSIWRIT:

CNMSTMIG
When the COMPARE option is specified, this member is created and contains converted CNMSTYLE statements that are different from existing V5R3 CNMSTYLE statements. It is placed in the first data set specified by the DSIWRIT DD statement.

Statements start in column 3. The first two columns are blank. Column 1 is reserved to specify which statements are to be copied into CNMSTUSR when the UPDATE option is specified. The member also contains section headings. The heading contains the name of the parameter member from which the CNMSTYLE statement was derived. All CNMSTYLE statements in a section are created from the same parameter member.

CNMCMMIG
When the COMPARE option is specified, this member is created and contains converted CNMCMD statements that are different from existing V5R3 CNMCMD statements. It is placed in the first data set specified by the DSIWRIT DD statement.

Statements start in column 3. The first two columns are blank. Column 1 is reserved to specify which statements are to be copied into CNMCMDU when the UPDATE option is specified.

CNMSTUSR
When the UPDATE option is specified, this member is appended with converted CNMSTYLE statements. Only statements in member CNMSTMIG that are marked with a non-blank character in column 1 are appended. A comment line is also included that contains a time stamp when the update was made.

The first DSIWRIT data set is used that contains member CNMSTUSR. If member CNMSTUSR is not found in any data set in the concatenation, a new member is created in the first data set specified by the DSIWRIT DD statement.

Note: For evaluation of initialization statements, you can use sample CNMSJCRG to produce a report of CNMSTYLE and its included members. For more information, see Chapter 7, “Getting Ready to Start NetView,” on page 117.

CNMCMDU
When the UPDATE option is specified, this member is appended with converted CNMCMD statements. Only statements in member CNMCMMIG that are marked with a non-blank character in column 1 are appended. A comment line is also included that contains a time stamp when the update was made.

The first DSIWRIT data set that contains member CNMCMDU is used. If member CNMCMDU is not found in any data set in the concatenation, a new member is created in the first data set specified by the DSIWRIT DD statement.

Specify the following keyword parameters on the CNMEMIG command in CNMSJMIG:

NETVREL=*VxRx*
Specifies the release from which you are migrating:
- V2R4
- V3R1
- V1R1
- V1R2
- V1R3
- V1R4
- V5R1

FUNCTION=COMPARE | UPDATE
Specifies the processing step to perform:

COMPARE
Compares the parameter or command members from the release from which you are migrating with the current CNMSTYLE or DSICMD values. Migrated statements are placed in CNMSTMIG or CNMCMMIG. If omitted, FUNCTION=COMPARE is the default.

UPDATE
Moves any statements with a character in column 1 from member CNMSTMIG to CNMSTUSR, and any statements with a character in column 1 from member CNMCMMIG to CNMCMDU.

FILES=CNMSTYLE | CNMCMD | BOTH
Specifies the definitions to be migrated:

CNMSTYLE
Indicates to migrate parameter definitions and initialization statements to CNMSTUSR.

CNMCMD
Indicates to migrate command definitions to CNMCMDU.

BOTH Indicates both CNMSTYLE and CNMCMD.

&*symbolic_name***=***value*
Indicates a system or NetView symbolic variable used in the data sets specified by OLDPARM and OLDCLD, for example &DOMAIN=CNM01.

The symbolic variable &NV2I defaults to the value NM if not specified.

Note: Do not use spaces in any of the parameter fields for CNMEMIG.

The following return codes are set by CNMEMIG:

0 Successful completion; a file was created in DSIWRIT

4 Minor errors encountered; a file was created in DSIWRIT

8 Major error encountered; a file was not created in DSIWRIT

For non-zero return codes, error messages can be found in the CNMSJMIG job log.

Table 47 shows DSIPARM statements in prior NetView releases that have been converted to CNMSTYLE or CNMCMD statements.

Table 47 also shows which commands within CNME1034 have been converted to CNMSTYLE statements. You might have added commands to CNME1034 that have not been converted to CNMSTYLE statements. Consider how to incorporate these commands into the NetView V5R3 initialization flow. One approach is to create a command list member with these unconverted commands and then call this command list using the CNMSTYLE auxInitCmd statement. For information about the auxInitCmd statement, refer to the *IBM Tivoli NetView for z/OS Administration Reference*.

Table 47. DSIPARM Member Statements

DSIPARM Member	DSIPARM Control Statement	CNMSTYLE or CNMCMD Statement
AAUPRLMP	DSTINIT DSRBO	NLDM.DSRBO
	DSTINIT MACRF	NLDM.MACRF
	DSTINIT PDDNM	NLDM.PDDNM
	DSTINIT SDDNM	NLDM.SDDNM
	INITMOD AAUICPEX AUTHROM	NLDM.AUTHDOM.X
	INITMOD AAUINLDM AMLUTDLY	NLDM.AMLUTDLY
	INITMOD AAUINLDM AUTHORIZ	NLDM.AUTHORIZ.X
	INITMOD AAUINLDM BUFTYPE	NLDM.OTHER
	INITMOD AAUINLDM CDTIME	NLDM.CDTIME
	INITMOD AAUINLDM DRDELAY	NLDM.DRDELAY
	INITMOD AAUINLDM ERCOUNT	NLDM.ERCOUNT
	INITMOD AAUINLDM FCTIME	NLDM.FCTIME
	INITMOD AAUINLDM KEEPDISC	NLDM.KEEPDISC
	INITMOD AAUINLDM KEEPMEM	NLDM.KEEPMEM
	INITMOD AAUINLDM KEEPPIU	NLDM.KEEPPIU
	INITMOD AAUINLDM KEEPRTM	NLDM.KEEPRTM
	INITMOD AAUINLDM KEEPSESS	NLDM.KEEPSESS
	INITMOD AAUINLDM LOG	NLDM.LOG
	INITMOD AAUINLDM LUCOUNT	NLDM.LUCOUNT
	INITMOD AAUINLDM MAXEND	NLDM.MAXEND
	INITMOD AAUINLDM NETID	NLDM.NETID
	INITMOD AAUINLDM PERFMEM	NLDM.PERFMEM
	INITMOD AAUINLDM PURGE	NLDM.PURGE
	INITMOD AAUINLDM RTDASD	NLDM.RTDASD
	INITMOD AAUINLDM RTM	NLDM.RTM
	INITMOD AAUINLDM RTMDISP	NLDM.RTMDISP
	INITMOD AAUINLDM SAW	NLDM.SAW
	INITMOD AAUINLDM TRACEGW	NLDM.TRACEGW
	INITMOD AAUINLDM TRACELU	NLDM.TRACELU
	INITMOD AAUINLDM TRACESC	NLDM.TRACESC

Table 47. DSIPARM Member Statements (continued)

DSIPARM Member	DSIPARM Control Statement	CNMSTYLE or CNMCMD Statement
BNJMBDST	ALCACHE	NPDA.ALCACHE
	ALERTLOG	NPDA.ALERTLOG
	ALRTINFP	NPDA.ALRTINFP.RECORD
	ALT_ALERT	NPDA.ALT_ALERT
	AUTORATE	NPDA.AUTORATE
	DSTINIT DSRBO	NPDA.DSRBO
	DSTINIT DSRBU	NPDA.DSRBU
	DSTINIT FUNCT	CNMI
	DSTINIT MACRF	NPDA.MACRF
	DSTINIT PDDNM	NPDA.PDDNM
	DSTINIT PPASS	NPDA.PPASS
	DSTINIT SDDNM	NPDA.SDDNM
	DSTINIT SPASS	NPDA.SPASS
	DSTINIT XITCI	NPDA.PNA
	DSTINIT XITCO	NPDA.PNA
	ERR_RATE	NPDA.ERR_RATE
	IHTHRESH	NPDA.IHTHRESH
	LQTHRESH	NPDA.LQTHRESH
	PRELOAD	NPDA.PRELOAD_BER
	R	NPDA.R.X
	RATE	NPDA.RATE
	REPORTS	NPDA.REPORTS
	TECROUTE	NPDA.TECROUTE
	W	NPDA.W.X
CNME1034[1]	ASSIGN	ASSIGN.OPGROUP.GROUP
	CCDEF MEMBER	CCDEF
	CNMOPDSPREFIX	OpDsPrefix
	DUIFHNAM	COMMON.DUIFHNAM
	DUIFHPRC	COMMON.DUIFHPRC
	EKGHNAM	COMMON.EKGHNAM
	EKGHPRC	COMMON.EKGHRPC
	EVERY	memStore.frequency
	HLLENV CHANGE	HLLENV.TYPE.CRITENVS
	HLLENV CHANGE	HLLENV.TYPE.DEFAULT
	HLLENV CHANGE	HLLENV.TYPE.PHEAP
	HLLENV CHANGE	HLLENV.TYPE.PSTACK
	HLLENV CHANGE	HLLENV.TYPE.REGENVS
	IDLEOFF INIT	function.autotask.idleoff
	IDLEOFF INIT	idleparms.exceptAuto
	IDLEOFF INIT	idleparms.exceptLU
	IDLEOFF INIT	idleparms.exceptNNT
	IDLEOFF INIT	idleparms.exceptOP
	IDLEOFF INIT	idleparms.exceptRmtCmd
	IDLEOFF INIT	idleparms.frequency
	IDLEOFF INIT	idleparms.idlemin
	MEMSTORE	memStore.minhits
	MEMSTORE	memStore.stgLimit
	NETV DEFAULTS	DEFAULTS.CMD
	ROUTE =	function.autotask.memStore
	SMFVPD	COMMON.SMFVPD
	TRANSMSG MEMBER	transMember

Table 47. DSIPARM Member Statements (continued)

DSIPARM Member	DSIPARM Control Statement	CNMSTYLE or CNMCMD Statement
CNME1034[2]	&DUIFHNAM &DUIFHPRC &EKGHNAM &EKGHPRC &SMFVPD ASSIGN CCDEF MEMBER DEFAULTS CMD TRANSMSG MEMBER	COMMON.DUIFHNAM COMMON.DUIFHPRC COMMON,.EKGHNAM COMMON.EKGHPRC COMMON.SMFVPD ASSIGN.OPGROUP.GROUP CCDEF DEFAULTS.CMD transMember
CNME1054	exlist.0	memStore.never
DSIAMLTD	CDRMDEF DSTINIT FUNCT	NLDM.CDRMDEF.X NPDA.RETRY
DSICMD	CMDMDL CMDSYN COMNTESC ECHO END IGNRLSUP MOD PARTSYN PARSE RES SEC TYPE	CMDDEF.MDLNAME.MOD CMDDEF.MDLNAME.CMDSYN *not migrated* CMDDEF.MDLNAME.ECHO *not migrated* CMDDEF.MDLNAME.IGNRLSUP CMDDEF.MDLNAME.MODNAME CMDDEF.MDLNAME.PARMSYN.PARMNAME CMDDEF.MDLNAME.PARSE CMDDEF.MDLNAME.RES CMDDEF.MDLNAME.SEC CMDDEF.MDLNAME.TYPE
DSIDMNB	MOD	SSIname
DSIDMNK	ALERTFWD DB2RRS HARDCOPY LOADEXIT MAXABEND MAXLOGON MVSPARM DEFAULT= MVSPARM MIGRATE= MVSPARM MSGIFAC= NCCFID DOMAINID= NCCFID SUPPCHAR= OPTIONS AUTHCHK= OPTIONS CMDAUTH= OPTIONS OPERSEC= OPTIONS OPSPAN OPTIONS SPANAUTH OPTIONS WEBAUTH RRD TRANSTBL MOD VTAMCP USE=	NPDA.ALERTFWD DB2SEC HARDCOPY LOADEXIT. DEFAULTS.MAXABEND DEFAULTS.MAXLOGON MVSPARM.DEFAUTH MVSPARM.MIGRATE MVSPARM.MSGIFAC DOMAIN SUPPCHAR SECOPT.AUTHCHK SECOPT.CMDAUTH SECOPT.OPERSEC SECOPT.OPSPAN SECOPT.SPANAUTH SECOPT.WEBAUTH RRD. TRANSTBL VTAMCP.USE
DSIILGCF	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DSILUCTD	CNMAUTH CTL= CNMTARG LU ″DSTINIT FUNCT=OTHER,PERSIST=″ MAXSESS	LUC.CTL LUC.CNMTARG.X LUC.PERSIST LUC.MAXSESS

Table 47. DSIPARM Member Statements (continued)

DSIPARM Member	DSIPARM Control Statement	CNMSTYLE or CNMCMD Statement
DSIREXCF	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DSIRSHCF	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DSIRTTTD	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DSITBL01	CMD('DBFULL NLDM 'MESSAGE) CMD('DBFULL NLDM 'MESSAGE) CMD('SAVECMD')	function.atutask.SMONdbMaint function.autotask.HMONdbMaint funtion.autotask.SAVECMD
DSITCPCF	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DSIUINIT	RMTSECUR SAFREFSH	RMTINIT.SECOPT RMTINIT.SAFrefresh
DSIWBMEM	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DUIFPMEM	PORT SOCKETS TCPANAME	PORT SOCKETS TCPANAME
DUIIGHB	TCPANAME	GHB.TCPANAME
EZLCFG01	WAIT XDOM	COMMON.WAITTIME COMMON.XDOMTIME
FKXEICMD	Default_Server_Name Default_Stack_Name	TCPserver TCPname
FLCSAINP	DEF_NETW_VIEW EXCEPTION_VIEW_FILE RODMCMDRETRY RODMINT RODMNAME RODMRETRY TCPNAME TN3270_FILE	(MSM)COMMON.FLC_DEF_NETW_VIEW (MSM)COMMON.FLC_EXCEPTION_VIEW (MSM)COMMON.FLC_RODMCMDRETRY (MSM)COMMON.FLC_RODMINT (MSM)COMMON.FLC_RODMNAME (MSM)COMMON.FLC_RODMRETRY (MSM)COMMON.FLC_TCPNAME (MSM)COMMON.FLC_TN3270_FILE

Notes:

1. REXX version
2. Pre-REXX version (NetView V1R2 and before)

Appendix G. Differences Between IPv4 and IPv6 Addresses

When you are specifying IP addresses, you can use the following formats:

- An IPv4 address in dotted-decimal format, *d.d.d.d* , where each *d* is a decimal number from 0 to 255. An IPv4 address is a 32-bit address separated into four 8-bit parts. Each part is converted to its decimal equivalent, and the parts are separated by periods. The following examples show IPv4 addresses:

  ```
  13.1.68.3
  129.144.52.38
  ```

- An IPv6 address in colon-hexadecimal format, *h:h:h:h:h:h:h:h* , where each *h* is a hexadecimal value (0-FFFF). An IPv6 address is a 128-bit address separated into eight 16-bit parts. Each part is converted to a hexadecimal number, and the parts are separated by colons. Leading zeros are not required, but, unless an address is compressed, each part must have at least one numeral. The following examples show colon-hexadecimal format IPv6 addresses:

  ```
  FEDC:BA98:7654:3210:FEDC:BA98:7654:3210
  1080:0:0:0:8:800:200C:417A
  ```

- An IPv4-compatible IPv6 address or IPv4-mapped IPv6 address in mixed format, *h:h:h:h:h:h:d.d.d.d* , where *h* is a hexadecimal value, one for each of the 6 high-order 16-bit parts of the address, and *d* is a decimal value, one for each of the 4 low-order 8-bit parts of the address (standard IPv4 representation). This format is useful in an environment that uses both IPv4 and IPv6 addresses. The following examples show these addresses:

  ```
  0:0:0:0:0:0:13.1.68.3  (IPv4-compatible IPv6 address)
  0:0:0:0:0:FFFF:129.144.52.38  (IPv4-mapped IPv6 address)
  ```

  Notes:

  1. The first five *h* values must be zero (0), and the sixth *h* value must be X'FFFF' in an IPv4-mapped IPv6 address.
  2. All six *h* values must be zero in an IPv4-compatible IPv6 address.

IPv6 addresses, IPv4-compatible IPv6 addresses, and IPv4-mapped IPv6 addresses that contain zero bits can be compressed. The value `::` can be substituted for multiple consecutive groups of zeros. The `::` can be used only once in an address and can be used to compress leading or trailing zeros in an address. The following examples are of IPv6 addresses, their compressed representations, and brief descriptions:

`1080:0:0:0:8:800:200C:417A`	`1080::8:800:200C:417A`	unicast
`FF01:0:0:0:0:0:0:101`	`FF01::101`	multicast
`0:0:0:0:0:0:0:1`	`::1`	loopback
`0:0:0:0:0:0:0:0`	`::`	unspecified
`0:0:0:0:0:0:13.1.68.3`	`::13.1.68.3`	IPv4-compatible
`0:0:0:0:0:FFFF:129.144.52.38`	`::FFFF:129.144.52.38`	IPv4-mapped

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