Installation: Migration Guide

Version 5  Release 1
Tivoli NetView for z/OS Installation: Migration Guide

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Programming Interfaces

This publication documents no intended Programming Interfaces that allow the customer to write programs to obtain services of Tivoli NetView for z/OS.
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Preface

This document is designed to help system programmers migrate the base functions from a previous release of the NetView® program. It also describes procedures to migrate from:

- NGMF to the NetView management console
- Unattended feature
- Procedural feature
- NetView System Services

Who Should Read This Document

This document is written for system programmers, network planners, and system designers who migrate the NetView program from a previous release to Tivoli® NetView for z/OS™ V5R1.

What This Document Contains

The following sections provide instructions to migrate to the V5R1 NetView program:

- "Chapter 1. What Is New in Tivoli NetView for z/OS V5R1?" on page 1
  describes the enhancements made to the NetView program in this release.
- "Chapter 2. Preparing for Migration" on page 7 gives an overview of the migration process to upgrade your system from a prior NetView release.
- "Chapter 3. Migrating from IBM NetView for MVS Version 3" on page 21 describes the steps required to upgrade a NetView V3R1 system to the current release.
- "Chapter 4. Migrating from TME 10 NetView for OS/390 Version 1 Release 1" on page 47 describes the steps required to upgrade a NetView V1R1 system to the current release.
- "Chapter 5. Migrating from TME 10 NetView for OS/390 Version 1 Release 2" on page 73 describes the steps required to upgrade a NetView V1R2 system to the current release.
- "Chapter 6. Migrating from Tivoli NetView for OS/390 Version 1 Release 3" on page 99 describes the steps required to upgrade a NetView V1R3 system to the current release.
- "Chapter 7. Migrating from Tivoli NetView for OS/390 Version 1 Release 4" on page 125 describes the steps required to upgrade a NetView V1R4 system to the current release.
- "Chapter 8. Getting Ready to Start NetView" on page 143 gives an overview of the process for preparing the upgraded NetView program for use.
- "Chapter 9. Verifying the Migration" on page 149 includes a series of steps to test the upgraded NetView program.
- "Chapter 10. Migrating Graphics" on page 151 describes the steps for upgrading from the NetView Graphic Monitor Facility (NGMF) to the NetView management console. It also describes the process for upgrading the NetView management console to the current release.
Chapter 11. Migrating the Unattended or Procedural Feature describes the steps for upgrading from the Unattended or Procedural Feature to the current release.

Chapter 12. Migration Considerations for NetView System Services describes the process for upgrading from NetView System Services to the full NetView product.

Appendix A. Changes from IBM NetView for MVS V3 to TME 10 NetView for OS/390 V1R1 describes changes to help panels, command lists, messages, and samples.

Appendix B. Changes from TME 10 NetView for OS/390 Version 1 Release 1 to TME 10 NetView for OS/390 Version 1 Release 2 describes changes to help panels, command lists, messages, and samples.

Appendix C. Changes from TME 10 NetView for OS/390 Version 1 Release 2 to Tivoli NetView for OS/390 Version 1 Release 3 describes changes to help panels, command lists, messages, and samples.

Appendix D. Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for z/OS Version 1 Release 4 describes changes to help panels, command lists, messages, and samples.

Appendix E. Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for z/OS Version 5 Release 1 describes changes to help panels, command lists, messages, and samples.

Appendix F. AON CMDMDL Statements Without SEC=BY lists AON CMDMDL statements that no longer contain the SEC=BY keyword.

Publications

This section lists prerequisite and related documents. It also describes how to access Tivoli publications online, how to order Tivoli publications, and how to make comments on Tivoli publications.

Prerequisite and Related Documents

To read about the new functions offered in this release, see "Chapter 1. What Is New in Tivoli NetView for z/OS V5R1?" on page 1.

You can find additional product information on these Internet sites:

Table 1. Resource Web sites

<table>
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<th><a href="http://www.ibm.com/">http://www.ibm.com/</a></th>
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<tr>
<td>Tivoli Systems</td>
<td><a href="http://www.tivoli.com/">http://www.tivoli.com/</a></td>
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<tr>
<td>Tivoli NetView for z/OS</td>
<td><a href="http://www.tivoli.com/nv390">http://www.tivoli.com/nv390</a></td>
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The Tivoli NetView for z/OS Web site offers demonstrations of the NetView product, related products, and several free NetView applications you can download. These applications can help you with tasks such as:

- Getting statistics for your automation table and merging the statistics with a listing of the automation table
- Displaying the status of a JES job or cancelling 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 TSO commands and receiving responses
Accessing Publications Online

You can access many Tivoli publications online using the Tivoli Information Center, which is available on the Tivoli Customer Support Web site:

http://www.tivoli.com/support/documents/

These publications are available in PDF format. Translated documents are also available for some products.

Ordering Publications

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

http://www.ibm.com/shop/publications/order

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, for a list of telephone numbers, see the following Web site:
  http://www.tivoli.com/inside/store/lit_order.html

Providing Feedback about Publications

We are very interested in hearing about your experience with Tivoli products and documentation, and we welcome your suggestions for improvements. If you have comments or suggestions about our products and documentation, contact us in one of the following ways:
- Send an e-mail to pubs@tivoli.com.
- Complete our customer feedback survey at the following Web site:
  http://www.tivoli.com/support/survey/

Contacting Customer Support

If you have a problem with any Tivoli product, you can contact Tivoli Customer Support. See the Tivoli Customer Support Handbook at the following Web site:

http://www.tivoli.com/support/handbook/

The handbook provides information about how to contact Tivoli Customer Support, depending on the severity of your problem, and the following information:
- Registration and eligibility
- Telephone numbers and e-mail addresses, depending on the country you are in
- What information you should gather before contacting support

Note: Additional support for Tivoli NetView for z/OS is available at the NetView for z/OS home page:

http://www.tivoli.com/nv390 Under Related Documents, select Other Online Sources. The page displayed contains a list of newsgroups, forums, and bulletin boards.
Accessibility Information

Refer to *Tivoli NetView for z/OS User’s Guide* for information about accessibility.

**Keyboard Access**

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.

Refer to *Tivoli NetView for z/OS User’s Guide* for more information about keyboard access.

**Conventions Used in This Document**

The document uses several typeface conventions for special terms and actions. These conventions have the following meaning:

- **Bold** Commands, keywords, flags, and other information that you must use literally appear like *this*, in *bold*.
- **Italics** Variables and new terms appear like *this*, in *italics*. Words and phrases that are emphasized also appear like *this*, in *italics*.
- **Monospace** Code examples, output, and system messages appear like *this*, in a monospace font.
- **ALL CAPS** Tivoli NetView for z/OS commands are in ALL CAPITAL letters.

**Platform-specific Information**

For more information about the hardware and software requirements for NetView components, refer to the *Tivoli NetView for z/OS Licensed Program Specification*.

**Terminology**

For a list of Tivoli NetView for z/OS terms and definitions, refer to [http://www.networking.ibm.com/nsg/nsgmain.htm](http://www.networking.ibm.com/nsg/nsgmain.htm).

For brevity and readability, the following terms are used in this document:

- **NetView**
  - 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
  - TME 10™ NetView for OS/390 Version 1 Release 2
  - TME 10 NetView for OS/390 Version 1 Release 1
  - IBM NetView for MVS Version 3
  - IBM NetView for MVS Version 2 Release 4
  - IBM NetView Version 2 Release 3

- **MVS** MVS/ESA™, OS/390, or z/OS operating systems.

- **RACF®** RACF is a component of the SecureWay® Security Server for z/OS and OS/390, providing the functions of authentication and access control for OS/390 and z/OS resources and data, including the ability to control access to DB2® objects using RACF profiles. Refer to:
Tivoli Enterprise™ software
Tivoli software that manages large business networks.

Tivoli environment
The Tivoli applications, based upon the Tivoli Management Framework, that are installed at a specific customer location and that address network computing management issues across many platforms. In a Tivoli environment, a system administrator can distribute software, manage user configurations, change access privileges, automate operations, monitor resources, and schedule jobs. You may have used TME 10 environment in the past.

TME 10
In most product names, TME 10 has been changed to Tivoli.

V and R
Specifies the version and release.

VTAM® and TCP/IP
VTAM and TCP/IP are included in the IBM Communications Server element of the OS/390 and z/OS operating systems. Refer to [http://www.ibm.com/software/network/commserver/about/](http://www.ibm.com/software/network/commserver/about/)

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.

## Reading Syntax Diagrams

Syntax diagrams start with double arrowheads on the left (➡️) and move along the main line until they end with two arrowheads facing each other (➡️). 

As shown in the following table, syntax diagrams use **position** to indicate the required, optional, and default values for keywords, variables, and operands.

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<tr>
<th>Element Position</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>On the command line</td>
<td>Required</td>
</tr>
<tr>
<td>Above the command line</td>
<td>Default</td>
</tr>
<tr>
<td>Below the command line</td>
<td>Optional</td>
</tr>
</tbody>
</table>

## Required Syntax

The command name, required keywords, variables, and operands are always on the main syntax line. [Figure 1 on page xvi](#) specifies that the `resname` variable must be used for the CCPLOADF command.
Keywords and operands are written in uppercase letters. Lowercase letters indicate variables such as values or names that you supply. In Figure 2, MEMBER is an operand and membername is a variable that defines the name of the data set member for that operand.

**Figure 2. Syntax for Variables**

**Optional Keywords and Variables**

Optional keywords, variables, and operands are below the main syntax line. Figure 3 specifies that the ID operand can be used for the DISPREG command, but is not required.

**DISPREG**

| DISPREG ID=resname |

**Figure 3. Optional Syntax Elements**

**Default Values**

Default values are above the main syntax line. If the default is a keyword, it appears only above the main line. You can specify this keyword or allow it to default.

If an operand has a default value, the operand appears both above and below the main line. A value below the main line indicates that if you choose to specify the operand, you must also specify either the default value or another value shown. If you do not specify an operand, the default value above the main line is used.

**Figure 4 on page xvii** shows the default keyword STEP above the main line and the rest of the optional keywords below the main line. It also shows the default values for operands MODNAME=∗ and OPTION=∗ above and below the main line.
Long Syntax Diagrams

When more than one line is needed for a syntax diagram, the continued lines end with a single arrowhead (►). The following lines begin with a single arrowhead (►), as shown in Figure 4.

Syntax Fragments

Commands that contain lengthy groups 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. See Figure 5 on page xviii for a syntax with the fragments ReMote and FromTo.
Commas and Parentheses

Required commas and parentheses are included in the syntax diagram. When an operand has more than one value, the values are typically enclosed in parentheses and separated by commas. In Figure 5 on page xviii, the OP operand, for example, 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 4 on page xvii.

For example, to specify the BOSESS command with the \texttt{sessid} variable, enter:

\begin{verbatim}
NCCF BOSESS applid,,sessid
\end{verbatim}

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

**Highlighting, Brackets, and Braces**

Syntax diagrams do not rely on highlighting, underscoring, brackets, or braces; variables are shown italicized in hardcopy or in a differentiating color for NetView help and BookManager® online books.

In parameter descriptions, the appearance of syntax elements in a diagram immediately tells you the type of element. See Table 3 for the appearance of syntax elements.

**Table 3. Syntax Elements Examples**

<table>
<thead>
<tr>
<th>This element...</th>
<th>Looks like this...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyword</td>
<td>CCPLOADF</td>
</tr>
<tr>
<td>Variable</td>
<td>\textit{resname}</td>
</tr>
<tr>
<td>Operand</td>
<td>MEMBER=\textit{membername}</td>
</tr>
<tr>
<td>Default</td>
<td>\textit{today} or INCL</td>
</tr>
</tbody>
</table>
Abbreviations

Command and keyword abbreviations are described in synonym tables after each command description.
Chapter 1. What Is New in Tivoli NetView for z/OS V5R1?

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 Tivoli NetView for z/OS Web site.

### Installation and Packaging Changes

There are a number of installation and packaging changes, which simplify the process for ordering, installing, and customizing the product.

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Streamlined packaging</td>
<td>Packaging options are consolidated into one orderable entity, eliminating the Unattended and Procedural offerings. This simplifies the ordering and installation processes and reduces documentation.</td>
<td><a href="#">Chapter 11. Migrating the Unattended or Procedural Feature</a> on page 153</td>
</tr>
<tr>
<td>Consolidate data sets</td>
<td>The following data sets are merged into equivalent NetView data sets:</td>
<td><a href="#">Data Set Consolidation</a> on page 9 and Table 13 on page 15</td>
</tr>
<tr>
<td></td>
<td>- AON (SEZL)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- RODM (SEKG)</td>
<td></td>
</tr>
<tr>
<td>Extend usage of CNMSTYLE</td>
<td>• Remaining DSIDMN definitions are migrated to CNMSTYLE.</td>
<td><a href="#">Chapter 8. Getting Ready to Start NetView</a> on page 143</td>
</tr>
<tr>
<td></td>
<td>• Towers for the hardware monitor, session monitor, and the 4700 support facility are included in CNMSTYLE.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Common TCP/IP definitions are added to CNMSTYLE.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• MultiSystem Manager initialization definitions (with the exception of the GETTOPO statements) are migrated to CNMSTYLE.</td>
<td></td>
</tr>
<tr>
<td>Removal of normal non-zero return codes</td>
<td>Conditions leading to expected non-zero return codes in several product installation steps have been eliminated.</td>
<td></td>
</tr>
</tbody>
</table>
Table 4. Installation and Packaging Changes (continued)

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove outdated functions</td>
<td>The following functions are no longer available:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Command security using NetView scope definitions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Span-of-control defined in members of the VTAMLST parameter data set</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• AON/LAN support</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• APPN® accounting manager</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• APPN topology and accounting agent</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• MultiSystem Manager NetWare and ATM support</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• NMC command profile editor graphical user interface</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Launch of Tivoli Inventory from the NMC topology console</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• NMC and NMC3270 support for Windows® 95, Windows 98, and OS/2®</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• TCP/IP Discovery sample from OS/390 UNIX® System Services</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Support for the Katakana character set</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• The -jsnmp option of the NVSNMP command</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Java™ Application Server (JAS)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Visual BLDVIEWS (VBV) support for OS/2</td>
<td></td>
</tr>
</tbody>
</table>

NetView Web Application

The Web interface to NetView is greatly expanded this release. Enhancements include many more management options available through the Web, and use of an external Web server to provide the NetView Web pages to users.

Table 5. NetView Web Application

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Redesigned Web console</td>
<td>More functionality with new look and feel, and integrated help.</td>
<td>Tivoli NetView for z/OS User’s Guide</td>
</tr>
<tr>
<td>Support for an external Web server</td>
<td>Using the WebSphere® Application Server or a Java-based servlet engine provided by NetView, exploits an industry-standard Java Servlet 2.2 API to provide new Web-based functions more quickly. Web.xml editor included to simplify configuration of WebSphere Application Server or Jetty.</td>
<td>Tivoli NetView for z/OS Customization Guide and the README for the NetView Web application on the product CD.</td>
</tr>
<tr>
<td>Web console security</td>
<td>RACF-based security checking when using browser-based access with authentication through the NetView user ID and password.</td>
<td>Tivoli NetView for z/OS Security Reference</td>
</tr>
</tbody>
</table>
TCP/IP and SNMP Management

Continued in this release is a number of enhancements to the already powerful TCP/IP and SNMP management capabilities of NetView. Additional types of resources can now be managed by NetView, and several interfaces have been improved.

Table 6. TCP/IP and SNMP Management

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manage TCP/IP traces</td>
<td>Start and stop component and packet traces, display active traces, and display trace status.</td>
<td>Tivoli NetView for z/OS User’s Guide</td>
</tr>
<tr>
<td>TCP/IP stack management</td>
<td>Detailed stack information, including connections and connection details.</td>
<td>Tivoli NetView for z/OS User’s Guide</td>
</tr>
<tr>
<td>Management of virtual IP addressing</td>
<td>Dynamically discover DVIPAs, provide configuration and status information, and TCP/IP connection data. Information about sysplex distributors and associated target stacks.</td>
<td>Tivoli NetView for z/OS User’s Guide</td>
</tr>
<tr>
<td>IP Discovery on Linux on zSeries™</td>
<td>Discovery equivalent to the MultiSystem Manager TCP/IP agent running on Tivoli NetView for AIX® and NT.</td>
<td>The README on the Integrated TCP/IP Services component 7.1.1 CD.</td>
</tr>
<tr>
<td>TCP/IP connection monitoring and thresholding</td>
<td>Manage connections to any application (any socket) on an OS/390 or z/OS host. Enables management of printers and other devices connected by way of TCP/IP.</td>
<td>Member CNMREAD1 in the NetView CNMSAMP data set</td>
</tr>
<tr>
<td>PING and SNMP commands as native NetView commands</td>
<td>Improved performance, do not need to use UNIX System Services for these functions.</td>
<td>Tivoli NetView for z/OS Command Reference</td>
</tr>
<tr>
<td>SNMP services</td>
<td>Real-time MIB Poller/Grapher, MIB Browser, and SNMP command dialogs are available through the NetView Web console.</td>
<td>Tivoli NetView for z/OS NetView Management Console User’s Guide, Tivoli NetView for z/OS User’s Guide</td>
</tr>
</tbody>
</table>

Graphics Enhancements

The NetView Management Console has been enhanced to provide new options for Console and Server operating system platforms, provide interfaces to other products, and provide greater flexibility.

Table 7. Graphics Enhancements

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
</table>
| Enhance the NMC | • The NMC server can run on Linux on zSeries.  
  • The NMC server maintains an audit trail that can be customized.  
  • The NMC console can run on Linux (for Intel).  
  • The NMC Signon can now be protected by restricting access to the LOGON command. | Tivoli NetView for z/OS NetView Management Console User’s Guide |

Chapter 1. What Is New in Tivoli NetView for z/OS V5R1? 3
Table 7. Graphics Enhancements (continued)

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide additional integration</td>
<td>• Launch the Tivoli Business Systems Manager in context from NMC to locate</td>
<td>Tivoli NetView for z/OS NetView Management Console User’s Guide</td>
</tr>
<tr>
<td>with other Tivoli products</td>
<td>business systems affected by faulty network or system resources.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Launch the NMC from the Tivoli Business Systems Manager to locate network</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and system resources that are affecting a business system.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Launch the Tivoli NetView Performance Monitor for TCP/IP from the NMC.</td>
<td></td>
</tr>
<tr>
<td>Enhance the NETCONV function</td>
<td>• Allow the NMC topology server and Tivoli Business Systems Manager task</td>
<td>Tivoli NetView for z/OS NetView Management Console User’s Guide</td>
</tr>
<tr>
<td></td>
<td>server to run on the same workstation.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Allow asynchronous connection for IP NETCONV.</td>
<td></td>
</tr>
<tr>
<td>Resource-specific commands for TCP/IP</td>
<td>List resource-specific commands in command menu.</td>
<td></td>
</tr>
<tr>
<td>resources</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Security Enhancements

Additional security options are provided in this release to allow improved auditing capabilities and more control over sensitive functions.

Table 8. Security Enhancements

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>NetView management console</td>
<td>• Provide an audit log for commands and command responses, views accessed,</td>
<td>Tivoli NetView for z/OS NetView Management Console User’s Guide</td>
</tr>
<tr>
<td></td>
<td>and other actions.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Control of operator access</td>
<td></td>
</tr>
<tr>
<td>AON</td>
<td>Remove AON bypass of EXCMD security check.</td>
<td>Tivoli NetView for z/OS Security Reference</td>
</tr>
<tr>
<td>Logging</td>
<td>Automatic logging of suppressed operator commands</td>
<td>Tivoli NetView for z/OS Security Reference</td>
</tr>
<tr>
<td>TSO commands</td>
<td>Provide support for SAF surrogate authority.</td>
<td>Tivoli NetView for z/OS Security Reference</td>
</tr>
<tr>
<td>Command authorization bypass</td>
<td>Provide command authorization checking in context of command lists.</td>
<td>Tivoli NetView for z/OS Security Reference</td>
</tr>
</tbody>
</table>
### Additional Enhancements

There are also enhancements to automation, serviceability, network management, session monitor, publications, and PIPEs.

#### Table 9. Additional Enhancements

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhance automation</td>
<td>• Allow mixed case in the automation table&lt;br&gt;• Allow asynchronous update of VIEW panels&lt;br&gt;• Improve TIMER command function and security with RMTCMD support for cross-domain access&lt;br&gt;• Enhance e-mail support</td>
<td><em>Tivoli NetView for z/OS Automation Guide</em>&lt;br&gt;<em>Tivoli NetView for z/OS Customization Guide</em>&lt;br&gt;<em>Tivoli NetView for z/OS Command Reference</em></td>
</tr>
<tr>
<td>Extended serviceability</td>
<td>• Additional diagnostic information for PPI buffers and traces&lt;br&gt;• Additional problem determination aids in the event/automation service</td>
<td><em>Tivoli NetView for z/OS Command Reference</em>&lt;br&gt;<em>Tivoli NetView for z/OS Diagnosis Guide</em>&lt;br&gt;<em>Tivoli NetView for z/OS Customization Guide</em></td>
</tr>
<tr>
<td>Network management</td>
<td>• Provide MultiSystem Manager IP router fault isolation&lt;br&gt;• Provide MultiSystem Manager IP agent capability to forward traps to multiple hosts, thus enabling hot backup&lt;br&gt;• Filter traps at the workstation to avoid sending unnecessary traps to a NetView host. Conserves bandwidth by forwarding the correct traps to the correct hosts.</td>
<td><em>Tivoli NetView for z/OS MultiSystem Manager User’s Guide</em></td>
</tr>
<tr>
<td>Session monitor</td>
<td>Improved time-out scenarios and improved performance.</td>
<td></td>
</tr>
<tr>
<td>Online access to publications</td>
<td>Sample to display publications from NetView operator console</td>
<td>Issue CNMSHTSP ? from the NetView command line.</td>
</tr>
<tr>
<td>New PIPE stages and PIPE EDIT orders</td>
<td>Additional PIPE stages and EDIT orders increase the capabilities of pipelines to work with commands, messages, and other data.</td>
<td><em>Tivoli NetView for z/OS Customization: Using Pipes</em></td>
</tr>
</tbody>
</table>
Chapter 2. Preparing for Migration

If you are migrating from the NetView V2R4 program or earlier, install as a new user. Migration from releases prior to V3R1 is not documented. While migration from V3R1 is supported, you should consider installing as a new user rather than migrating, due to the large number of changes from those releases to the current release. For base installation information, refer to [Tivoli NetView for z/OS Installation: Getting Started].

Before beginning your installation, read the NetView program directory.

Overview

Migration consists of:

1. Installing the NetView program from distribution tape using OS/390 Release 10 SMP/E or higher with the help of the NetView program directory
2. Making necessary additional preparations to your MVS 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

The NetView program is shipped to you on a set of tapes in SMP/E format. These tapes are known collectively as the distribution tape. The NetView program directory accompanies the distribution tape.

The NetView program can also be delivered electronically.

Workstation-based NetView code is shipped in two formats:

- CD-ROM
- Tivoli Web site

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

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 V5R1, the following can make your migration easier:
Migration Overview

- Ensure you install the V5R1 files into separate SMP global and target zones from those used for your existing NetView release.
- Unless you plan to run two full NetView towers 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 V5R1 installation are backward-compatible with:
  - Tivoli NetView for OS/390 Version 1 Release 4
  - Tivoli NetView for OS/390 Version 1 Release 3
  - TME® 10 NetView for OS/390 Version 1 Release 2
  - TME 10 NetView for OS/390 Version 1 Release 1
  - IBM NetView for MVS Version 3

Place the V5R1 copy of SCNMLPA1 in LPALST and delete the old copy of SCNMLPA1 from LPALST.
- The ISTIECCE load module in NETVIEW.V5R1M0.SCNMLNK1 is not compatible with the ISTIECCE module from previous NetView releases. Be sure that the correct level of this module is included in the VTAMLIB DD statement in your VTAM start procedure. Using a backlevel ISTIECCE module or not having this module in the correct library can result in status monitor initialization failure or other unpredictable results. For more information, refer to the NetView program directory.

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 Tivoli NetView for z/OS Installation: Configuring Additional Components.

Migration Process

The process outlined below leads you through the steps 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 as follows:
- Base NetView functions
- Graphical NetView functions
- Advanced NetView configuration

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

Note: If you are migrating from the NetView V3R1 program or earlier, install as a new user.
Data Set Consolidation

The RODM and AON data sets from previous releases have been consolidated into the NetView data sets for V5R1.

Table 10. Data Set Consolidation

<table>
<thead>
<tr>
<th>Previous Data Set Name</th>
<th>V5R1 Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEKGCAS1</td>
<td>ACNMSAMP</td>
</tr>
<tr>
<td>AEKGLUTB</td>
<td>ACNMSAMP</td>
</tr>
<tr>
<td>AEKGMOD1</td>
<td>ACNMLINK</td>
</tr>
<tr>
<td>AEKGPNL1</td>
<td>ACNMPNL1</td>
</tr>
<tr>
<td>AEKGSMP1</td>
<td>ACNMSAMP</td>
</tr>
<tr>
<td>AEZLCLST</td>
<td>ACNMCLST</td>
</tr>
<tr>
<td>AEZLINST</td>
<td>ACNMSAMP</td>
</tr>
<tr>
<td>AEZLLINK</td>
<td>ACNMLINK</td>
</tr>
<tr>
<td>AEZLPNLU</td>
<td>ACNMPNL1</td>
</tr>
<tr>
<td>AEZLSAMP</td>
<td>ACNMSAMP</td>
</tr>
<tr>
<td>SEKGCAS1</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>SEKGLNK1</td>
<td>SCNMLNKN</td>
</tr>
<tr>
<td>SEKGLUTB</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>SEKGMOD1</td>
<td>CNMLINK</td>
</tr>
<tr>
<td>SEKGMOD2</td>
<td>CNMLINK</td>
</tr>
<tr>
<td>SEKGPNL1</td>
<td>CNMPNL1</td>
</tr>
<tr>
<td>SEKGSMP1</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>SEZLCLST</td>
<td>CNMCLST</td>
</tr>
<tr>
<td>SEZLINST</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>SEZLLINK</td>
<td>CNMLINK</td>
</tr>
<tr>
<td>SEZLPNLU</td>
<td>CNMPNL1</td>
</tr>
<tr>
<td>SEZLSAMP</td>
<td>CNMSAMP</td>
</tr>
</tbody>
</table>

Notes:
1. SCNMLNKN is a new data set name for V5R1.
2. RODM data sets AEKLANG and SEKLANG were not consolidated.

Preparing the MVS System

The following steps are required to update MVS for the NetView V5R1 program. These are the same basic steps required for a new installation. For additional information on these steps, refer to Tivoli NetView for z/OS Installation: Getting Started.

Use the information in the NetView program directory to back up or rename your production-level NetView data sets.
Refer to **Table 11** to update members in SYS1.PARMLIB.

**Table 11. SYS1.PARMLIB Members**

<table>
<thead>
<tr>
<th>Member Name</th>
<th>Suggested Updates</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUPLExx</td>
<td>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):&lt;br&gt;DATA TYPE(ARM) PCOUPLE(primary-dsname) ACOUPLE(alternate-dsname)&lt;br&gt;&lt;br&gt;For workload manager (WLM) support, verify that the COUPLE and WLM data sets are specified.</td>
</tr>
</tbody>
</table>
| IEAAPFxx or PROGxx | 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:<br>• 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:<br>• NETVIEW.V5R1M0.SCNMLNK1  
• NETVIEW.V5R1M0.SCNMLPA1  
• NETVIEW.V5R1M0.CNMLINK  
• NETVIEW.V5R1M0.SCNMLNKN  
• NETVIEW.V5R1M0.SCNMUXLK (for customers using OS/390 UNIX related services)  
**Note:** If you are installing the Japanese program V5R1, authorize the NetView data set, SCNMMJJPN. This data set is in the STEPLIB of CNMPROC.  
If you are using a component that requires the REXX library, verify that the SEAGLMD or SEAGALT data sets are APF-authorized.  
**Note:** You can use the SETPROG APF command to dynamically update the list of APF-authorized libraries.  
The following data sets are no longer being used by NetView V5R1 and can be removed if they are not being used for other reasons:<br>• 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 11. SYS1.PARMLIB Members (continued)

<table>
<thead>
<tr>
<th>Member Name</th>
<th>Suggested Updates</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEASYMxx</td>
<td>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 symbolics 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 symbolics (these are the default NetView symbolic names): SYSDEF SYMDEF(&amp;CNMTCPN='tcpip_name') SYSDEF SYMDEF(&amp;CNMRODM='rodm_name') SYSDEF SYMDEF(&amp;CNMNETID='network_id') The initialization members that use the symbolics are shown in Table 12 on page 13. Note: An alternate symbol-substitution method is sample CNMSJMJ12. CNMSJMJ12 can replace symbolics in NetView members.</td>
</tr>
<tr>
<td>IEASYSxx</td>
<td>Specify the maximum number of ASIDs and replacement ASIDs for the NetView program: • 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 32 767. 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.</td>
</tr>
<tr>
<td>IEFSSNxx</td>
<td>Verify that the NetView and RODM subsystem names are defined: • RODM subsystem name: EKGX • 4-character NetView subsystem name 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.</td>
</tr>
<tr>
<td>Member Name</td>
<td>Suggested Updates</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>LNKLISTxx or PROGxx</td>
<td>Add NETVIEW.V5R1M0.CNMLINK and NETVIEW.V5R1M0.SCNMLNKN to the LNKLISTxx member that defines the linklist for the target system. Data sets listed in LNKLISTxx must be cataloged in the system master catalog. The following data sets are no longer being used by NetView V5R1 and can be removed if they are not being used for other reasons: • SEKGMOD1 • SEKGMOD2 • SEZLLINK • SEKGLNK1 • SEKGSMP1</td>
</tr>
<tr>
<td>LOADxx</td>
<td>If necessary, add an IEASYM statement to identify the IEASYMxx member to use for user-defined system symbolics.</td>
</tr>
<tr>
<td>LPALSTxx</td>
<td>Include the SCNMLPA1 data set. If you are running a previous NetView release on the same system as V5R1, add the V5R1 SCNMLPA1 to LPALSTxx. Ensure that LPALSTxx does not include any previous NetView SCNMLPA1. If you are using Language Environment® for z/OS with the NetView program, add any Language Environment for z/OS run-time libraries that you are not adding to the LPALSTxx to the LNKLISTxx member. Note: Data sets listed in LPALSTxx must be authorized in IEAAPFx and cataloged in the USER CATALOG(VOLSER), for example NETVIEW.V5R1M0.SCNMLPA1(NVPTFM).</td>
</tr>
<tr>
<td>SCHEDxx</td>
<td>Verify that the NetView program runs in MVS storage key 8. Ensure the SCHEDxx statements for the NetView program are: • The NetView program without the hardware monitor (NPDA), PGM=DSIMNT in your NetView JCL PROC: PPT PGMMNAME(DSIMNT) NOSWAP KEY(8) • The NetView program with the hardware monitor (NPDA), PGM=BNJLINTX in your NetView JCL PROC: PPT PGMMNAME(BNJLINTX) NOSWAP KEY(8) • The RODM program, PGM=EKGTC000 in your RODM JCL PROC: PPT PGMMNAME(EKGTC000) NOSWAP NOCANCEL • The NetView GMFHS program, PGM=DUIFT000 in your GMFHS JCL PROC: PPT PGMMNAME(DUIFT000) NOSWAP KEY(8)</td>
</tr>
</tbody>
</table>
Table 11. SYS1.PARMLIB Members (continued)

<table>
<thead>
<tr>
<th>Member Name</th>
<th>Suggested Updates</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMFPRMxx</td>
<td>Verify that type 37 (hardware monitor) and type 39 (session monitor) SMF records are set up to be collected. <strong>Note:</strong> 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: L06SYC nnn. The corresponding SVC can be deleted from LPALIB if you are no longer running a previous release of the NetView program.</td>
</tr>
</tbody>
</table>

The initialization members that use the symbolics are:

Table 12. Symbolic Usage by Initialization Members

<table>
<thead>
<tr>
<th>Member</th>
<th>Task</th>
<th>TCP/IP NAME</th>
<th>RODM NAME</th>
<th>NETID</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSTYLE</td>
<td>NetView initialization</td>
<td>&amp;CNMTCPN X</td>
<td>&amp;CNMRDM X</td>
<td>&amp;CNMNETID X</td>
</tr>
<tr>
<td>DUIGINIT</td>
<td>GMFHS (Graphics)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional considerations include:

- Previous releases of the NetView program recommended that you put modules in SYS1.LINKLIB and SYS1.LPALIB, the NetView program now requests that you put modules in CNMLINK, SCNMLNK1, SCNMLNKN, and SCNMLPA1.

- Several of the NetView components (such as MultiSystem Manager and AON) as well as 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. The Data REXX function enables you to include REXX instructions and functions in data files. In order 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 [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 [Tivoli NetView for z/OS Installation: Configuring Additional Components](#).

- If you plan to use the MVS command exit DSIMCAEX, add the following statement to MPFLSTxx member in SYS1.PARMLIB: `.CMD USEREXIT(DSIMCAEX)

### Preparing UNIX System Services

The following steps are required to update the UNIX System Services for NetView V5R1. When you upgrade your MVS NetView components to V5R1, also upgrade your UNIX System Services NetView components to V5R1.

**Note:** 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.
Migration Overview

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

1. Update member BPXPRMxx in SYS1.PARMLIB to specify UNIX System Services parameters for OS/390 Command Server.
2. If necessary, update the z/OS UNIX System Services environment variables.
3. Review your existing RACF definitions. For more information, refer to the [Tivoli NetView for z/OS Security Reference].
4. Enable the UNIX command server.
5. Review the event/automation service start-up procedure IHSAEVNT.

The following directories are no longer used by the USS environment for NetView V5R1:
- /usr/lpp/netview/bin
- /usr/lpp/netview/doc
- /usr/lpp/netview/install
- /usr/lpp/netview/lib
- /usr/lpp/netview/man
- /usr/lpp/netview/mibs
- /usr/lpp/netview/samples

The following configuration files are no longer used in NetView V5R1:
- /etc/netview/fkxcm
- /etc/netview/ipdiscovery.conf
- /etc/netview/nv390mibs.def
- /etc/netview/nv390srvc.conf
- /etc/netview/snmp.conf

NetView V5R1 USS now uses the following directories:
- /usr/lpp/netview/v5r1/bin
- /usr/lpp/netview/v5r1/mibs
- /etc/netview/mibs (for user-defined MIBs and MIBs not shipped with NetView V5R1)
- /etc/netview/v5r1 (application files)
- /tmp/netview/v5r1 (application files)

The NetView MIB collection has moved from the /usr/lpp/netview/mibs/ directory to the /usr/lpp/netview/v5r1/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 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/v5r1/mibs/ directory.

The following functions are no longer available on USS for NetView V5R1:
- The TCP/IP discovery sample which previously ran on z/OS and OS/390 in USS. 1
- SNMPSRVC 2
- POLLSRVC 2
- MIBSRVC 2
- LOADMIB 2
Notes:

1. This sample is available for downloading from the Unsupported Tools page at the following Web address:
   
   http://www.tivoli.com/nv390/

   It is replaced in the product by the TCP/IP discovery function on Linux on zSeries.

2. These services are available through other mechanisms from the NetView Web console and the NMC topology console.

Preparing the NetView Program

Consider the steps in Table 13 when migrating to NetView V5R1. 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 Tivoli NetView for z/OS Installation: Getting Started.

Table 13. Installation JCL

<table>
<thead>
<tr>
<th>Member</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSJBUP</td>
<td>Copies the installation JCL members in NETVIEW.V5R1M0.CNMSAMP into data set</td>
</tr>
<tr>
<td></td>
<td>NETVIEW.V5R1USER.INSTALL.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> The entire NetView samples library is not copied. Only the</td>
</tr>
<tr>
<td></td>
<td>installation members in the data set</td>
</tr>
<tr>
<td></td>
<td>NETVIEW.V5R1M0.CNMSAMP are copied.</td>
</tr>
<tr>
<td>CNMSJ001</td>
<td>Creates an ICF catalog and defines the ALIAS name NETVIEW as the high-level</td>
</tr>
<tr>
<td></td>
<td>qualifier for the NetView data sets. Run this job if you did not define this</td>
</tr>
<tr>
<td></td>
<td>alias name during the NetView program installation and you plan to use this</td>
</tr>
<tr>
<td></td>
<td>high-level qualifier.</td>
</tr>
<tr>
<td>CNMSJ002</td>
<td>Allocates partitioned data sets.</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>1. Review the symbolic variables in the comments supplied in this job.</td>
</tr>
<tr>
<td></td>
<td>Change the &amp;UNIT and &amp;SER JCL symbolics to match your installation, if needed.</td>
</tr>
<tr>
<td></td>
<td>2. Change the &amp;DOMAIN JCL symbolic to match the NetView domain name you are</td>
</tr>
<tr>
<td></td>
<td>installing.</td>
</tr>
<tr>
<td></td>
<td>3. If you are migrating from a release prior to Tivoli NetView V1R2,</td>
</tr>
<tr>
<td></td>
<td>allocate a data set for DSIASRC and for DSIARPT.</td>
</tr>
<tr>
<td></td>
<td>4. As of V5R1, the SEZLPNLU user data set is no longer used. Instead,</td>
</tr>
<tr>
<td></td>
<td>allocate a user data set for CNMPNL1. If you previously customized panels</td>
</tr>
<tr>
<td></td>
<td>in the SEZLPNLU data set, migrate those changes to the panels in CNMPNL1.</td>
</tr>
<tr>
<td></td>
<td>5. If you have already allocated any partitioned data set defined by</td>
</tr>
<tr>
<td></td>
<td>CNMSJ002, you do not need to reallocate it.</td>
</tr>
<tr>
<td></td>
<td>6. The USER.PROFILE and VIEW.OUTPUT data sets are no longer needed. They</td>
</tr>
<tr>
<td></td>
<td>were used by the NGMF View Preprocessor.</td>
</tr>
<tr>
<td>CNMSJ000</td>
<td>If you are installing the NetView program in a domain other than CNM01 for</td>
</tr>
<tr>
<td></td>
<td>network NETA, or a subarea other than 01, this job converts the NetView</td>
</tr>
<tr>
<td></td>
<td>samples in NETVIEW.V5R1M0.CNMSAMP and NETVIEW.V5R1M0.DSIPARM and places</td>
</tr>
<tr>
<td></td>
<td>them into NETVIEW.V5R1USER.&amp;DOMAIN.DSIPARM, NETVIEW.V5R1USER.INSTALL, and</td>
</tr>
<tr>
<td></td>
<td>NETVIEW.V5R1USER.&amp;DOMAIN.VTAMLST.</td>
</tr>
</tbody>
</table>
### Table 13. Installation JCL (continued)

<table>
<thead>
<tr>
<th>Member</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSJ003</td>
<td>Copies selected members from NETVIEW.V5R1M0.CNMSAMP, NETVIEW.V5R1USER.INSTALL, and NETVIEW.V5R1M0.SCNUMXMS into the target data sets. <strong>Notes:</strong> 1. Before loading these partitioned data sets, make a backup copy to protect your data. 2. Comment out any //PDSx EXEC statements for data set members that already exist on your system.</td>
</tr>
</tbody>
</table>
On the subtower statement, add asterisks preceding any of the AON functions that you will not use:

```
TOWER.AON = SNA TCP
```

- Define STATMON statements for AON/SNA.
- Enable NetView Access Services.
- Update the AON control file.
- Review the AON policy definitions.
- Enable minimal AON functions if you are not using full AON automation.
- For AON TCP 390 support, ensure UNIXSERV=YES is defined on the TCP390 statement for local stacks in FXXCFG01.

3. Reassemble or recompile any user-written NetView code.

The NetView MACLIB data set SCNMMAC1 was added in Tivoli NetView for OS/390 V1R2. If you have written applications that run with the NetView program, recompile your code with this MACLIB data set. Refer to the [Tivoli NetView for z/OS Customization Guide](#) and [Tivoli NetView for z/OS Customization: Using Assembler](#) for more information.

4. 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 executing 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 executing 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 an invalid state.

   `<&LNKdomid>`
   Link station name associated with the remote domain (`domid`). You can set this variable using the SETADIAL command.

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

The following command can set the `<&LNKdomid>` and the `<&CDRMdomid>` 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.
**Migration Overview**

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

5. 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, it is recommended that you 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, it is recommended that you 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.

6. The VIEW command processor is used to display full-screen panels from user-written programs. Starting with NetView V5R1, VIEW will attempt 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 invocation 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 *Tivoli NetView for z/OS Customization Guide*.

7. Migrate the Web browser to the new version. For information, refer to the *Tivoli NetView for z/OS Customization Guide*.

---

**Preparing Graphical NetView Components**

The graphics components are activated with TOWER statements in DSIPARM member CNMSTYLE. Remove the asterisk from the components that you will be using, including Graphics and MSM (if you are enabling the MultiSystem Manager). An example statement follows:

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

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

Some changes to CNMSTYLE 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 V5R1. For additional information on these steps, refer to *Tivoli NetView for z/OS Installation: Configuring Graphical Components*.

Consider the following to migrate RODM and GMFHS functions to the current release:

1. Allocate new NetView VSAM clusters for the RODM log and checkpoint databases by running sample job EKGSJ004.
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 member DUIGINIT.
7. Review the initialization values for the status focal point in members DUIISFP, DUIFPMEM, and DUIIGHB.

Consider the following to migrate the NetView management console:
1. Review your NMC topology server configuration.
2. Review your NMC topology console configurations.
3. Configure NMC 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 NTF TMR
   
   Agent names preceded by an asterisk are disabled. Remove or add asterisks as necessary to enable the agents that you will 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 "Tivoli NetView for z/OS Installation: Configuring Additional Components"
7. Review the settings for the NetView RATE and AUTORATE statements, as well as the RUNCMD time-out value.
8. Review the setup for the NetView cross-domain environment.

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:

- "Chapter 3. Migrating from IBM NetView for MVS Version 3” on page 21
- "Chapter 4. Migrating from TME 10 NetView for OS/390 Version 1 Release 1” on page 47
- "Chapter 5. Migrating from TME 10 NetView for OS/390 Version 1 Release 2” on page 73
- "Chapter 6. Migrating from Tivoli NetView for OS/390 Version 1 Release 3” on page 99
- "Chapter 7. Migrating from Tivoli NetView for OS/390 Version 1 Release 4” on page 123

After you have made any necessary changes, continue with "Chapter 8. Getting Ready to Start NetView” on page 143
Chapter 3. Migrating from IBM NetView for MVS Version 3

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from the IBM NetView for MVS Version 3. While migration from V3R1 is supported, you should consider installing as a new user rather than migrating due to the large number of changes from that release to the current release.

AON and MultiSystem Manager have been merged into NetView and are new.

It is assumed that no maintenance has been applied (or no changes have been made since the release from which you are migrating). You can either upgrade your existing NetView definitions, or use the ones supplied with the V5R1 program and add any customization you might have performed for the definitions.

For maintenance, you might want to copy any DSIPARM members that you previously customized, and any DSIPARM members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPARM. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPARM data set.

You may also want to copy any DSIPRF members that you have previously customized, and any DSIPRF members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPRF. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPRF data set.

Note: Make all changes to definition statements in uppercase.

The NetView initialization flow has been simplified through the implementation of CNMSTYLE. Figure 7 shows the simplified NetView V5R1 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

NetView Initialization Flow

DSIDMN

| DSIDMNU | (migration for user DST and OPT tasks) |

CNMSTYLE

| Tower settings |
| Autotasks, parameters, initialization commands |
| CNMSTPWD (passwords not in security product) |
| CNMSTASK (DST and OPT task information) |
| CNMSTTWR (tower customization) |
| CNMSTGEN (user customization) |
| CNMSTNXT (future migration) |

Figure 7. NetView V5R1 Initialization Flow

When you finish with this chapter, continue with "Chapter 8. Getting Ready to Start NetView" on page 143.
If you want information about... Refer to...

Changes including panels, commands, messages, and samples

"Appendix A. Changes from IBM NetView for MVS V3 to TME 10 NetView for OS/390 V1R1" on page 165

New Samples

Table 14 lists new system definitions to review during migration.

### Table 14. List of New Samples

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CNMCAU00</td>
<td>same MVS command management exclusion/inclusion table</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSAF2</td>
<td>same Sets RACF definitions for NetView operators and commands</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSBAK1</td>
<td>same Backup command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSCAT2</td>
<td>same Sample command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSHMA1</td>
<td>same Automation sample for hardware monitor instrumentation</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSHTSP</td>
<td>same Displays a list of Web addresses which can be selected to access websites</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSJSQL</td>
<td>same SQL plan installation sample job</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSPAN2</td>
<td>same Sample NetView span table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTASK</td>
<td>same NetView-provided task statements</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTDAT</td>
<td>same Topology Display Instrumentation automation table sample</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSTGEN</td>
<td>same You can include additional or modified CNMSTYLE definition statements,</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>including DATA REXX logic.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CNMSTNXT</td>
<td>same Includes NetView-supplied CNMSTYLE updates.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTPWD</td>
<td>same Includes VSAM and ACB passwords.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTSOS</td>
<td>same MVS start command sample to start the NetView TSO command server as a</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>started task</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CNMSTTWR</td>
<td>same Includes style statements from non-NetView towers.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTYLE</td>
<td>same Defines some of the NetView initialization parameters.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSUNXS</td>
<td>same MVS start command sample to start the NetView UNIX command server as a</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>started task</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CNMSURLS</td>
<td>same Contains a list of Web addresses read by CNMSHTSP</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSVTET</td>
<td>same VTAM monitor auto-table: message suppression</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSVTFT</td>
<td>same VTAM monitor auto-table entries</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>Distributed As</td>
<td>Name</td>
<td>Description</td>
<td>Data Set Name</td>
</tr>
<tr>
<td>---------------</td>
<td>------</td>
<td>-------------</td>
<td>---------------</td>
</tr>
<tr>
<td>DSIAMIAT</td>
<td>same</td>
<td>Automation table for Application Management Instrumentation</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIE</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host with an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMII</td>
<td>same</td>
<td>Application Management Instrumentation autotask initialization and termination configuration file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIN</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host not running the event automation service</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIR</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host without an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIT</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host with an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTB</td>
<td>same</td>
<td>Part list for usage of the AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTBU</td>
<td>same</td>
<td>User defined part list for AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIDB2DF</td>
<td>same</td>
<td>Sample initialization member for task DSIDB2MT</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIIILGCF</td>
<td>same</td>
<td>Syslog task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIPROFG</td>
<td>same</td>
<td>Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIPROFK</td>
<td>same</td>
<td>Automated operator profile for instrumentation autotask</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIPROFV</td>
<td>same</td>
<td>Automated operator profile for the visual BLDVIEWS server</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIREXCF</td>
<td>same</td>
<td>Rexec server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRHOST</td>
<td>same</td>
<td>RSH security file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRSHCF</td>
<td>same</td>
<td>RSH server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRTITTD</td>
<td>same</td>
<td>TCP/IP alert receiver</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSISCHED</td>
<td>same</td>
<td>CHRON command calendar schedule file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSITCPCF</td>
<td>same</td>
<td>Defines the initialization values for DSITCPIP.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSITCPRF</td>
<td>same</td>
<td>Defines the operators that can log on to NetView using the NetView 3270 management console.</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIWBMEM</td>
<td>same</td>
<td>Initialization parameters for the NetView Web Server</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIW3PRF</td>
<td>same</td>
<td>Properties definitions for 3270 web sessions</td>
<td>DSIPARM</td>
</tr>
</tbody>
</table>
Table 14. List of New Samples (continued)

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUIFNRM1</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from ALL monitored NetViews.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIFNRM2</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from a single NetView.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUITGHB</td>
<td>same</td>
<td>Initialization values for the DUITGHB task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DUIPOLICY</td>
<td>same</td>
<td>Define NMCSTATUS policy definitions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>EZLINSMP</td>
<td>same</td>
<td>This sample provides an example for the AON INFORM policy.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FKKXSCM</td>
<td>same</td>
<td>Defines community names for IP resources to AON/TCP for proactive monitoring and commands</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FKKXSNSMP</td>
<td>same</td>
<td>This sample lists group definitions for the NVSNMP command</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FLBTRDMG</td>
<td>same</td>
<td>SNA Topology Data Model loader file that takes the netid from DisplayResourceName</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>FLBTRDMH</td>
<td>same</td>
<td>SNA Topology Data Model loader file that creates a SNA_Backbone_View</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>FLBTRDMI</td>
<td>same</td>
<td>SNA Topology Data Model loader file that produces a grid layout for More Detail views</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>FLBTRDMJ</td>
<td>same</td>
<td>SNA Topology Data Model loader file that creates port aggregate objects and suppresses logical links</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>FLCAINP</td>
<td>same</td>
<td>Sample initialization file.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This file can be used as a template when creating the MultiSystem Manager initialization file (or files) for your site.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>If you rename this file, specify that file name when issuing the INITTOPO command.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>FLCAINP contains an example of how to use the %INCLUDE statement to include other MultiSystem Manager initialization files.</td>
<td></td>
</tr>
<tr>
<td>FLCSDM9</td>
<td>same</td>
<td>MultiSystem Manager data model — part 9.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This file enables the use of RODM methods for linking TN3270 resources to IP resources.</td>
<td></td>
</tr>
<tr>
<td>FLCS3270</td>
<td>same</td>
<td>Sample for support of TN3270 Manager (server/client).</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sample FLCS3270 enables management of TN3270 resources, both servers and clients.</td>
<td></td>
</tr>
</tbody>
</table>
VTAM Address Space

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

**ATCCONxx**

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

**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:

1. The TAF APPL definition statements in A01APPLS have been modified to use a new naming convention.

   The TAF APPL definition statements have changed from:
   
   ```
   TAFxxFnnn APPL MODETAB=AMODETAB,EAS=9, X
   DLOGMOD=M2SDLNCNQ
   * STATOPT='TAFUSER nnn'
   ```
   
   to:
   
   ```
   TFxx#nnn APPL MODETAB=AMODETAB,EAS=9, X
   DLOGMOD=M2SDLNCNQ
   * STATOPT='DYNAMIC TAF nnn'
   ```

   where `xx` is the last two characters of the NetView domain ID or the value of TAFPREFX on the DEFAULTS command.

2. Define at least 60 NetView subtask APPL statements to A01APPLS if you plan on running all graphical components concurrently.

3. To enable the takeover or reconnect capability for NetView operators, include the PASS value in the AUTH= definition. For example:

   ```
   CNM01000 APPL AUTH=(NVSPACE,SPO,ACQ,PASS),PRTCT=CNM01,EAS=4 X
   MODETAB=AMODETAB,DLOGMOD=DSILGMOD
   * STATOPT='NETVIEW 000'
   ```

**CNMNET (CNMSJ008)**

Use the new version of CNMNET.

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 V5R1 copy of AAUPRMLP, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in AAUPRMLP. Do not modify the Data REXX version of AAUPRMLP.
Migrating from NetView V3R1

BNJMBDST

If you made changes to BNJMBDST (hardware monitor initialization member),
migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data
REXX version of BNJMBDST.

CNME1034

If you made changes to CNME1034 to extend the processing performed during
NetView initialization, you need to incorporate equivalent changes to member
CNMSTYLE in DSIPARM. 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 15. CNME1034 Statements Moved to CNMSTYLE

<table>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correlated command definition file</td>
<td>CCDEF MEMBER=DSICCDEF</td>
<td>CCDEF = DSICCDEF</td>
</tr>
<tr>
<td>Load automation table</td>
<td>AUTOTBL MEMBER=DSITBL01</td>
<td>AUTOCMD.DSITBL01.order = A</td>
</tr>
<tr>
<td>Setting initial defaults</td>
<td>DEFAULTS NETLOG=NO,SYSLOG=YES</td>
<td>DEFAULTS.NetLog = No DEFAULTS.SysLog = No</td>
</tr>
<tr>
<td>Translation member</td>
<td>TRANSMGS MEMBER=CNMTRMSG</td>
<td>transMember = CNMTRMSG</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>ASSIGN GROUP=+STATGRP, OP=(NETOP1,NETOP2)</td>
<td>ASSIGN.STATGRP.GROUP = NETOP1,NETOP2,AUTO1 ASSIGN.OPERGRP.GROUP = OPER1,OPER2,OPER3,OPER4,OPER5,OPER6</td>
</tr>
<tr>
<td>HLLENV</td>
<td>HLLENV CHANGE,REGENVS=2, CRITENVS=0,TYPE=IBMHLPLI</td>
<td>HLLENV.IBMADPLI.REGENVS=2 HLLENV.IBMADPLI.CRITENVS=0 HLLENV.IBMADPLI.DEFAULT=NOTPREINIT HLLENV.IBMADPLI.PSTACK=4096 HLLENV.IBMADPLI.PHEAP=4096 HLLENV.IBMADC.REGENVS=2 HLLENV.IBMADC.CRITENVS=0 HLLENV.IBMADC.DEFAULT=NOTPREINIT HLLENV.IBMADC.PSTACK=4096 HLLENV.IBMADC.PHEAP=4096</td>
</tr>
<tr>
<td>Start VTAM CMIP Services</td>
<td>F NET,VTAMOPTS,OSIMGMT=YES</td>
<td>TOWER = Graphics TOWER.Graphics = SNATM</td>
</tr>
<tr>
<td>DBINIT</td>
<td>*DBINIT NLD M NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00 :00 1 *DBINIT NPD A 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</td>
<td>auxInitCmd.DB1=DBINIT NLD M NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00:00 1 auxInitCmd.DB2=DBINIT NPD A NONE CYL 50 50 Y PURGE 5 Y PURGE 5 2:00:00 1 auxInitCmd.DB3=DBINIT TARA NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00:00 1 auxInitCmd.DB4=DBINIT SAVE NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00:00 1</td>
</tr>
</tbody>
</table>
Table 15. CNME1034 Statements Moved to CNMSTYLE (continued)

<table>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global variables</td>
<td>&amp;CGLOBAL SMFVPD</td>
<td>COMMON.SMFVPD = 37</td>
</tr>
<tr>
<td></td>
<td>&amp;CGLOBAL DUIFHNAM</td>
<td>COMMON.DUIFHNAM = GMFHS</td>
</tr>
<tr>
<td></td>
<td>&amp;CGLOBAL DUIFHPRC</td>
<td>COMMON.DUIFHPRC = CNMGMFHS</td>
</tr>
<tr>
<td>Serialization through the</td>
<td>&amp;CGLOBAL CGAUTHID1</td>
<td>No longer necessary</td>
</tr>
<tr>
<td>PPT</td>
<td>&amp;CGLOBAL CGAUTHID2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&amp;CGLOBAL CGAUTHID3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&amp;CGLOBAL CGAUTHID4</td>
<td></td>
</tr>
</tbody>
</table>

To define a command or a command list to run automatically when the NetView program is started, use the auxInitCmd keyword in CNMSTYLE. You can specify any number of commands or command lists to be run.

**CNMPROC (CNMSJ009)**

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

Due to the extensive changes to this member, use the V5R1 copy. If you made changes in CNMPROC, merge your changes into the CNMPROC sample shipped in V5R1.

**CNMPSSI (CNMSJ010)**

CNMPSSI (CNMSJ010) starts the NetView subsystem address space.

Make the following changes to CNMPSSI in your PROCLIB:

1. In NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. If necessary, change the DSIG default value to null:
   ```
   // DSIG='', ** Subsystem command designator
   //** 1-8 characters. This is registered
   //** to one system or all systems in the
   //** sysplex depending on the PFXREG
   //** parameter described below.
   //** If no value is specified, the 4
   //** character subsystem name is used.
   //**
   //**
   //**
   //** The default value is the 4-character subsystem name.
   // PPIOPT parameter to enable the automatic restart manager (ARM):
   // PPIOPT='PPI', ** PPI OPTIONS SWITCH
   4. Add the following statements after the PPIOPT statement to enable the automatic restart manager (ARM):
      ```
      // The following symbolic "ARM" is used to both enable the NetView
      // subsystem for MVS automatic restart management (ARM) and to supply
      // a name (up to 16 characters) by which this NetView subsystem will
      // be known to ARM
      // ARM='*NOARM' ** AUTOMATIC RESTART (ARM) USAGE
      //** *ARM = ARM ENABLEMENT BY SYMBOL,
      //** NETVIEW WILL GENERATE AN ARM
      //** ELEMENT NAME AS FOLLOWS:
      //** 'NETVIEW$' CONCATENATED WITH
      //** THE SSI/PPI SUBSYSTEM NAME
      //** CONCATENATED WITH &SYSCLONE
      ```
** NAME = ARM ENABLEMENT BY NAME
** +NOARM = NO ARM ENABLEMENT
** DEFAULT OPTION = +NOARM
** COMMENTING OUT THE 'ARM='... Parameter
** RESULTS IN NO NETVIEW ARM ENABLEMENT

5. Add a comma following the ARM parameter to enable the prefix registration option:
   // ARM='+NOARM', ** AUTOMATIC RESTART (ARM) USAGE

6. Add the following statements after the ARM statement to enable the prefix registration option on a single system:
   // PFXREG='ONE' ** Prefix Registration option.
   //** ONE = prefix is registered on one
   //** system.
   //** ALL = prefix is registered on all
   //** systems in the sysplex.
   //** NO = registration avoided and may
   //** cause duplicates

7. Add the &ARM symbolic parameter to enable the automatic restart manager and the &PFXREG symbolic parameter to enable prefix registration to the NetView execution statement, as follows:
   //NETVIEW EXEC PGM=&PROG,TIME=1440,REGION=&REG,K,
   // PARM=(&MBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
   // '&PFXREG'),DPRTY=(13,13)

8. The value, SSIEXT, enables unsolicited messages to be processed like the QSSIAT option, while MVS commands are sent and received using the MVS extended multiple console support interface. This value removes the constraints on allocation of subsystem consoles, while keeping the queuing and automation characteristics of the SSI for unsolicited MVS messages.

9. Add the following statements after the ARM statement to set the number of PPI 256 byte and 4000 byte buffers. Note that these statements are optional, and if they are not specified, the default values of 300 and 0 are used, respectively. If you add these statements, add a comma after the PFXREG='ONE' statement.
   // P256BUF=300, ** Number of 256 byte PPI buffers to use
   // P4000BUF=0 ** Number of 4000 byte PPI buffers to use

10. Add the &P256BUF and &P4000BUF symbolic parameters to allow setting the number of buffers for the PPI 256 byte and 4000 byte sizes. Note that these statements are optional, and if they are not specified, the default values of 300 and 0 are used, respectively.

   //*/
   //CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE 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.
Table 16. **CNMSTYLE Statement Relationship to Older DSIPARM Statements**

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACBpassword1</td>
<td>NCCFID DMNPSW</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>ASSIGN</td>
<td>CNME1034</td>
</tr>
<tr>
<td>AUTOCMD</td>
<td>• NCCFIC autotbl_name</td>
<td>• DSIDMNK</td>
</tr>
<tr>
<td></td>
<td>• AUTOTBL</td>
<td>• CNME1034</td>
</tr>
<tr>
<td>AUTOTASK</td>
<td>AUTOTASK</td>
<td>CNME1034</td>
</tr>
<tr>
<td>auxInitCmd.order</td>
<td>NCCFIC IC</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>COMMON</td>
<td>&amp;CGLOBAL</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DEFAULTS</td>
<td>DEFAULTS</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DEFAULTS.MAXABEND</td>
<td>MAXABEND</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DEFAULTS.MAXLOGON</td>
<td>MAXLOGON</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DOMAIN</td>
<td>NCCFID DOMAINID</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>LUC</td>
<td>parameters</td>
<td>DSILUCTD</td>
</tr>
<tr>
<td>MVSPARM</td>
<td>MVSPARM</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>NLDM</td>
<td>parameters</td>
<td>• AAUPRMLP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSMAMLTD</td>
</tr>
<tr>
<td>NPDA</td>
<td>parameters</td>
<td>BNJMBDST</td>
</tr>
<tr>
<td>NPDA.ALERTFWD</td>
<td>ALERTFWD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>RRD</td>
<td>RRD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>SECOPTS</td>
<td>OPTIONS</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>SuppChar</td>
<td>NCCFID SUPPCHAR</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>TASK</td>
<td>TASK</td>
<td>DSIDMN</td>
</tr>
<tr>
<td>transTbl</td>
<td>TRANSTBL</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>VTAMCP.USE</td>
<td>VTAMCP</td>
<td>DSIDMNK</td>
</tr>
</tbody>
</table>

**Note:** 1. This statement is contained in CNMSTYLE include member CNMSTPWD.

CNMSTYLE contains descriptive comments about the types of statements that can be included in the member. Read the comments and review the defaults. The following defaults changed:

Table 17. **CNMSTYLE statements**

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCF Trace</td>
<td>Off</td>
<td>On, MODE=INT</td>
</tr>
<tr>
<td>LOGONPW</td>
<td>CMDMDL commented out</td>
<td>CMDMDL enabled</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>STATGRP specifies:</td>
<td>STATGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• NETOP1</td>
<td>• NETOP1</td>
</tr>
<tr>
<td></td>
<td>• NETOP2</td>
<td>• NETOP2</td>
</tr>
<tr>
<td></td>
<td>OPERGRP specifies:</td>
<td>OPERGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• OPER1</td>
<td>• OPER1</td>
</tr>
<tr>
<td></td>
<td>• OPER2</td>
<td>• OPER2</td>
</tr>
<tr>
<td></td>
<td>• OPER3</td>
<td>• OPER3</td>
</tr>
<tr>
<td></td>
<td>• OPER4</td>
<td>• OPER4</td>
</tr>
<tr>
<td></td>
<td>• OPER5</td>
<td>• OPER5</td>
</tr>
<tr>
<td></td>
<td>• OPER6</td>
<td>• OPER6</td>
</tr>
</tbody>
</table>
### Table 17. CNMSTYLE statements (continued)

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEMSTOR</td>
<td>Commented out in CNME1034</td>
<td>Enabled</td>
</tr>
<tr>
<td></td>
<td>No predefined include or exclude lists</td>
<td>Predefined include list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNMPNL1.CNMKWIND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CNMPNL1.CNMBROWS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSIOPEN.CNMKEYS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSICLD.CNME1505</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSICLD.CNME1096</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predefined exclude list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSIPARM.DSIOPF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSIPARM.DSIOPFU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*USERMEM</td>
</tr>
<tr>
<td>IDLEOFF</td>
<td>Commented out in CNME1034</td>
<td>Runs on AUTO1 in CNMSTYLE</td>
</tr>
<tr>
<td>HLLENV</td>
<td>Commented out in CNME1034</td>
<td>Initializes two environments each for PL/1 and C in CNMSTYLE.</td>
</tr>
<tr>
<td>DEFAULTS command keywords</td>
<td>MAXABEND=1</td>
<td>MAXABEND=4</td>
</tr>
<tr>
<td></td>
<td>AUTOSEC=CHECK</td>
<td>AUTOSEC=BYPASS</td>
</tr>
<tr>
<td></td>
<td>Tasks started automatically:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&amp;DOMAIN.LUC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&amp;DOMAIN.VMT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AAUTCNMI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AAUTSKLP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BNJDSERV</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BNJDS36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>BNJMNPDA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSIAMLUT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSIAUTOPT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSICRTR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSIGDS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSIKREM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSIQTSK</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSIROVS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DSITRACE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.</td>
<td></td>
</tr>
</tbody>
</table>

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 [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 V5R1 copy of DSIAMLTD, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in DSIAMLTD. 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 V5R1.

DSICMD

Due to extensive changes in DSICMD, it is recommended that you use the V5R1 version of DSICMD.

The %INCLUDE structure has changed, as follows:

- DSICMDB, DSICMDF, and DSICMDR have been replaced by DSICMSYS and DSICMENT.
- DSICMDM, DSICMDT, and DSICMDW have been replaced by DSICMENT.

Note: DSICMENT contains %INCLUDE statements for the AON DSICMD include members EZLCMD, FKVCMD, and FKXCMD.

When migrating to the V5R1 copy of DSICMD:

1. Place user-defined commands in DSICMDU.
2. Migrate any command or keyword synonyms.

For command authorization, use the NetView command authorization table or the NETCMDS class in the SAF product. Scope of commands is no longer supported. You can use the SECMIGR command to migrate your command authorization from scope of commands to the NetView command authorization table. For suggested command authority settings, refer to samples CNMSAF2 or CNMSCAT2. For more information, refer to Tivoli NetView for z/OS Security Reference.

You can remove any scope of command authorization statements (CMDCLASS, KEYCLASS, and VALCLASS statements). If present, these statements are ignored.

Note: If you separated your customized CMDMDL statements into a separate data set member and added a %INCLUDE for the NetView-supplied DSICMD member, remove the %INCLUDE for DSICMD. Rename your customized member to DSICMDU and allow NetView to run with the DSICMD version shipped in NETVIEW.V5R1M0.DSIPARM. If you use this option, ensure that you do not have duplicate CMDMDL statements in any member that is included in DSICMD.

You can add Data REXX logic to conditionally %INCLUDE command definitions. 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.

There is an alternate approach if you do not take advantage of the Data REXX version of DSICMD. DSICMD1A, DSICMD1B, DSICMD1C, DSICMD1D, and DSICMD51 are nonexecutable samples containing the CMDMDL statements new
for this release. Review these samples. You can either copy these samples into your DSICMD or add the following statements to the beginning of your DSICMD:

```
%INCLUDE DSICMD1A
%INCLUDE DSICMD1B
%INCLUDE DSICMD1C
%INCLUDE DSICMD1D
%INCLUDE DSICMD51
```

These %INCLUDE statements cause the samples to be read into DSICMD at run time. This is not the recommended approach, but allows you to get NetView running. You can then separate your CMDMDL statements at a later time. If you decide on this approach, make the following additional changes to your existing DSICMD:

1. If you will be using any of the AON functions, uncomment the %INCLUDE statements for the AON include members (EZLCMD, FKVCMD, and FKXCMD) in the nonexecutable include sample DSICMD1A.

2. The CMDMDL statements necessary for the MultiSystem Manager component were previously contained in the MultiSystem Manager command member FLCSCMD. These statements can now be included through the nonexecutable samples listed above. Member FLCSCMD is no longer necessary.

3. Add the following CMDMDL statement under the CNME1505 command model statement:
   ```
   CMDMDL MOD=DSICMDM TYPE=R RES=Y
   ```

4. Add the following CMDMDL statement for AONCMD under the EXCMD command model statement:
   ```
   EXCMD CMDMDL MOD=DSIEXCMD TYPE=R RES=Y
   CMDSYN AONCMD
   ```

5. Add the following IGNRLSUP keyword to the CLOSE command model statement:
   ```
   CLOSE CMDMDL MOD=DSICLP TYPE=B IGNRLSUP=* 
   ```

6. Add the following CMDMDL statement to your DSICMD. This command was previously contained in the MultiSystem Manager command member FLCSCMD and was only available to Enterprise users. This command is now available as part of RODM and is currently being used by MultiSystem Manager and some Automated Operations Network (AON) functions. Add appropriate command authorizations.
   ```
   FLCARODM CMDMDL MOD=FLCARODM TYPE=R RES=Y
   CMDSYN MSMACC
   ```

7. Delete the following statements:
   ```
   ACCTSNA CMDMDL MOD=FLBGMCDM TYPE=R RES=Y*
   CNME7007 CMDMDL MOD=DSICCP
   CMDMDYN AUTO8146
   CNME7023 CMDMDL MOD=DSICCP
   CMDSYN DIALCDRM
   DUIFBTRM CMDMDL MOD=DUIFBTRM TYPE=R RES=Y
   DUIFBTIM CMDMDL MOD=DUIFBTIM TYPE=R RES=Y
   DUIFBR CMDMDL MOD=DUIFBR TYPE=R RES=Y
   DUIFBS CMDMDL MOD=DUIFBS TYPE=R RES=Y
   IPMINIT CMDMDL MOD=IPMINIT TYPE=R RES=Y
   SESSMDIS CMDMDL MOD=DSINDISP
   ```

**Notes:**

a. The ACCTSNA command model statement is in DSICMDT or DSICMD31.

b. The CNME7023 command model statement is in DSICMDB.

c. The SESSMDIS command model statement is in DSICMDM.
**DSICNM**

DSICNM is the initialization sample for the status monitor. The following statements have been added to DSICNM:

<table>
<thead>
<tr>
<th>Statement</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>M MAXREACT 00</td>
<td>Specifies the number of retries to reactivate a resource.</td>
</tr>
<tr>
<td>M REACTINT 00</td>
<td>Specifies the MONIT reactivation interval.</td>
</tr>
</tbody>
</table>

**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. It is recommended that you use the DSICTMOD module shipped with V5R1. If you updated CNMS0055 for your current release, merge those changes into the V5R1 version of CNMS0055 and run it to assemble and link-edit your changes into the DSICTMOD module.

**DSIDMN**

The parameters set in DSIDMN 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.
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 [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. Suffixes appended to the domain name to generate the VTAM application name for the terminals are now in hexadecimal format. You can define additional APPL statements using this new naming scheme.

   **Note:** 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 would make the application names unavailable for the purpose for which they were defined.

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

**DSIDMNU**

User TASK statements are no longer contained in DSIDMNU. They have been replaced by entries in CNMSTYLE include member CNMSTGEN. You can migrate
the TASK statements that are currently coded in DSIDMNU to TASK statements in
the format expected by CNMSTYLE. 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
information on the PIPE KEEP command, refer to [Tivoli NetView for z/OS

DSIDMNU is still supported. However, any task groups found in CNMSTYLE will
override similar statements found in DSIDMN.

**DSIEX18 (CNMS4298)**

The CNMS4298 sample is no longer used for the BLOG command. If you have an
installation-customized DSIEX18, it is still permitted and participates with the
BLOG filtering in the following manner:

1. Enter a regular BROWSE NETLOGx request:
   DSIEX18 sees every record that is read from the network log as the operator
   interacts with the log.
2. Enter a BLOG request:
   BLOG filtering is first processed internally for every record that is read from
   the network log as the operator interacts with the log. Next, any records that
   are permitted for display by BLOG filtering are then passed to your DSIEX18.

If your installation includes BLOG sample CNMS8009, delete it; beginning in
V5R1, BLOG is not implemented as a sample, but has been integrated into the
NetView program.

**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 V5R1 copy of DSILUCTD, and update the LUC statements in
CNMSTYLE to reflect the values previously specified in DSILUCTD.

**DSIOPF**

Due to extensive changes to DSIOPF, it is recommended that you use the V5R1
version of DSIOPF. Data REXX logic has been added to conditionally define
operator definitions based on the level of the NetView program installed, the
towers that are enabled by CNMSTYLE, or both. The DSIOPF %INCLUDE
members DSIOPFB, DSIOPFF, DSIOPFM, DSIOPFR, DSIOPFT, and DSIOPFW are
no longer used. Ensure that your operator definitions defined in DSIOPFU are
included in the V5R1 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.

The following information is provided to highlight modifications to DSIOPF since NetView V3R1. The following lists of new, changed, and deleted operator definitions should be considered as you migrate your operator definitions, especially with regard to security.

The following operator definitions have been removed:

- DBAUTO3 OPERATOR PASSWORD=DBAUTO3
- PROFILEN DSIPROFD
- DBAUTO4 OPERATOR PASSWORD=DBAUTO4
- PROFILEN DSIPROFD
- DNAUTOOP OPERATOR PASSWORD=DNAUTOOP
- PROFILEN FLBGMMGR
- FWDOPl OPERATOR PASSWORD=FWDOPl
- PROFILEN DSIPRFWD
- FWDOPl OPERATOR PASSWORD=FWDOPl
- PROFILEN DSIPRFWD
- FWDOPl OPERATOR PASSWORD=FWDOPl
- PROFILEN DSIPRFWD
- FWDOPl OPERATOR PASSWORD=FWDOPl
- 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 been added:

<table>
<thead>
<tr>
<th>Operator Definition</th>
<th>DSIOPF Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrumentation autotask</td>
<td>AUTOAMI OPERATOR PASSWORD=AUTOAMI</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFK</td>
</tr>
<tr>
<td>NetView Web Server autotask</td>
<td>DSIWEB OPERATOR PASSWORD=WEBSEV</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFD</td>
</tr>
<tr>
<td>VTAM ACB monitor autotasks</td>
<td>AUTOVTAC OPERATOR PASSWORD=AUTOVTAC</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROF</td>
</tr>
<tr>
<td></td>
<td>AUTOVTDB OPERATOR PASSWORD=AUTOVTDB</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROF</td>
</tr>
<tr>
<td>NetView policy services autotask</td>
<td>AUTOAON OPERATOR PASSWORD=AUTOAON</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFC</td>
</tr>
<tr>
<td>MVS command management autotask</td>
<td>DSIMCAOP OPERATOR PASSWORD=CMDAUTO</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROF</td>
</tr>
<tr>
<td>NetView Resource Manager autotask</td>
<td>AUTONRM OPERATOR PASSWORD=AUTONRM</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFC</td>
</tr>
</tbody>
</table>
### DSIRXPRM

DSIRXPRM contains the REXX initialization parameters required to establish a new REXX environment. DSIRXPRM can be updated using sample job CNMSJM11. It is recommended that you use the V5R1 version of DSIRXPRM. If you updated CNMSJM11 for your current release, merge those changes into the V5R1 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. 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 V5R1 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 to include an AUTOCMD statement for your automation table.

**DSIUINIT**

If you made changes to DSIUINIT (initialization member for task DSIUDST), migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data REXX version of DSIUINIT.

**DSIZVLSR**

DSIZVLSR defines the buffer pools to be used with the VSAM LSR and DSR performance options. DSIZVLSR can be updated by using sample job CNMSJM01. It is recommended that you use the DSIZVLSR module shipped with V5R1. If you updated CNMSJM01 for your current release, merge those changes into the V5R1 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 V5R1 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE 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`

**FLBEXV**

FLBEXV is a table that lists the exception view names that an object in RODM is associated with when the object is created by the SNA topology manager.

FLBEXVU is the sample `%INCLUDE` for FLBEXV.

The following exception view name has been added to FLBEXV:

```bash
OBJECTCL=appnBrNN
EXVWNAME=BrNN_nodes
```

Refer to the [Tivoli NetView for z/OS SNA Topology Manager Implementation Guide](https://www.ibm.com/support/knowledgecenter/SGFR9F_5.3.0/com.ibm.netview.53.doc/contents/tnvtmgimplguide.html) for more information about FLBEXV.

**FLBOSIDS**

FLBOSIDS is a table that maps the OSI status values to the DisplayStatus values. Because of the number of changes, use the new sample job.

FLBOSIDU is the sample `%INCLUDE` for FLBOSIDS.
Refer to the Tivoli NetView for z/OS SNA Topology Manager Implementation Guide for more information about FLBOIDS.

**FLBSRT**

FLBSRT is a table that contains the hierarchy of OSI status entries used to resolve the status of a multiply-owned resource.

Certain values in this member have changed in V5R1.

FLBSRTU is the sample %INCLUDE for FLBSRT.

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

**FLBSYSD**

FLBSYSD is the initialization member for the SNA topology manager in DSIPARM. Due to extensive changes, it is recommended that you use the V5R1 version of FLBSYSD.

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

```
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.

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

Refer to the 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 V5R1, FLCSAINP was the sample initialization file for the MultiSystem Manager. FLCSAINP could be modified and renamed to either FLCAINP or another unique name. In V5R1, 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 V5R1, 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.
2. Delete the definitions (non-GETTOPO statements) that you migrated to CNMSTYLE.
3. Delete any START_DISCOVERY statements.
4. Delete any GETTOPO NWCP* statements.
5. Delete any GETTOPO LMU* statements.
Refer to 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.V5R1M0.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 Tivoli NetView for z/OS Customization Guide

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:

- For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
- For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
- The region size has been increased to 64 Mb. Update the following in the PROC statement:

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

- Update the AGGRST and RESWS values as follows:

```
// AGGRST=N, ** RUN AGG CALCULATION ON STARTUP
// RESWS=NO, ** RESOURCE STATUS WARM START
```

- The ARM parameter controls GMFHS registration with the MVS automatic restart manager. Add the following in the PROC statement:

```
// ARM=*NOARM, ** AUTOMATIC RESTART MANAGER
```

You can also use the MVS Automatic Restart Manager to group applications together by element type. The GMFHS element type is SYSNETV4. The element type cannot be changed.

- The SUBSYM parameter enables symbolic substitution for the data set members that are read by GMFHS: DUIGINIT and DUIGPWLU.

Add the following in the PROC statement:

```
// SUBSYM=*SUBSYM ** SYMBOL SUBSTITUTION
// *SUBSYM = ENABLE SYMBOL
```

Chapter 3. Migrating from IBM NetView for MVS Version 3
Migrating from NetView V3R1

```c
// ** *NOSUBSYM = DISABLE SYM
// ** SUBSTITUTION
// ** DEFAULT OPTION = *SUBSYM
```

- Update STEP1 as follows:
  ```c
  //STEP1 EXEC PGM=&PROG,REGION=&REG,TIME=1440,
  // PARM='&AGGRST,RESWS=&RESWS,DOMAIN=&DOMAIN,ARM=&ARM,SUBSYM=&SUBSYM'
  ```
- The only HLL environment for starting GMFHS is Language Environment for OS/390. Remove DD statements for the PL/I run-time libraries because they are no longer used.
- The DUIDB database no longer exists. Remove the following qualifier from the PROC statement:
  ```c
  // VQ1=NETVIEW, ** HIGH LVL DSN QUALIFIER-VSAM DSNS
  ```
  Also remove the following statement:
  ```c
  //CNMBD DD DSN=&VQ1..&DOMAIN..DUIDB,DISP=SHR
  ```
- Add the following GMFHS output DD statements:
  ```c
  //CNMP DD SYSOUT=A
  //CNMN DD SYSOUT=A
  ```
- If you are using the RODM component and are migrating from a previous release, remove the following statement from the STEPLIB data set concatenation:
  ```c
  //STEPLIB DD DSN=&SQ1..SEKGMOD1,DISP=SHR
  ```
- If you are using the RODM component and are migrating from a previous release, change the following statement from:
  ```c
  //EKGLUTB DD DSN=&SQ1..SEKGLUTB,DISP=SHR
  ```
  to
  ```c
  //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.

1. To enable GMFHS to send Japanese text to an NMC console for display, add the following parameter:
   ```c
   JAPANESE=ON
   ```
2. The TASK statement allows you 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. Change the values for the following parameters:
   ```c
   *PRINTPDU38=INTERNAL
   *TRACEBYTES=0
   ```
4. The value for the RODMNAME parameter has been modified to use the &CNMRODM system symbolic:
   ```c
   RODMNAME=&CNMRODM.
   ```
5. Delete the following parameter and the associated comments:
   - *LOGPDU01=NONALERT

6. Add the following statements to DUIGINIT:
   - DOMAIN=CNM01
   - *LCON-MAX-QUEUE-IRMGR=10000
   - *LCON-ALERT-CMD-TIMEOUT=30000
   - *LCON-MAX-QUEUE-RCMGR=10000
     This statement specifies the maximum number of messages that can be held
     on the RCMGR task message queue.
   - *LCON-MAX-LOCATE-RESOURCE-VIEWS=12
     This statement specifies the maximum number of views that are returned on
     a Locate Resource request. Increasing this value can cause time-outs on the
     workstation.
   - *LCON-ASSOCIATE-NULL-NODE-WITH-LINK=0

**DUIGPWLU**

In DUIGPWLU, you can define to GMFHS graphic data server LU names that are
not authorized to acquire a session. You can use symbols to represent the names if
symbolic substitution is enabled on your system. Ensure that the symbols are
defined in member IEASYMxx of SYS1.PARMLIB.

**RODM Address Space**

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

**EKGCUST**

EKGCUST is the sample RODM customization file in CNMSAMP.

The following keywords have been removed from EKGCUST, and are ignored if
specified:
- LOCK_LISTRETRY
- LOCK_LOOPLIMIT
- LOCK_SLEEPTIME
- LOCK_SPINLIMIT
- CLASS_AGING_LIMIT
- TRANS_SEGMENT
- WINDOW_SIZE
- POST_RQST_BLK_NUM

The default values in EKGCUST for the following parameters have changed. If you
are using the old defaults, replace them with the new default values to improve
performance.

- MAX_WINDOW_NUM ( 191 )
- MAX_SEGMENT_NUM ( 64 )
- SSB_CHAIN ( 3 )

The following keywords have been added to EKGCUST:
- DUMP_LIMIT (10, 1440)
- DUMP_FOR_BAD_USER_DATA ( NO )
- DUMP_SCOPE ( REQUESTOR )
- TRANSPARENT_CHECKPOINT ( NO )

The CHECKPOINT_FUNCTION statement enables you to control the RODM
checkpoint function. Add the following statement:
CHECKPOINT_FUNCTION ( REQUEST )

REQUEST is the default value.

The CHARACTER_VALIDATION statement enables you to control the amount of validity checking RODM does for class, object, and field names. Add the following statement:
CHARACTER_VALIDATION (YES)

YES is the default value.

The CONNECT_VIOLATION_MESSAGE statement enables you to send a message to the system console when a connection request fails. Add the following statement:
CONNECT_VIOLATION_MESSAGE (NO)

For a description of the... Refer to...

<table>
<thead>
<tr>
<th>Statement</th>
<th>Refer to...</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHECKPOINT_FUNCTION statement</td>
<td>Tivoli NetView for z/OS Administration Reference</td>
</tr>
<tr>
<td>CHARACTER_VALIDATION statement</td>
<td>Tivoli NetView for z/OS Administration Reference</td>
</tr>
<tr>
<td>CONNECT_VIOLATION_MESSAGE statement</td>
<td>Tivoli NetView for z/OS Administration Reference</td>
</tr>
</tbody>
</table>

EKGLOADP

EKGLOADP is the sample RODM load procedure JCL.

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. 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
3. Add the following DD statement to the STEPLIB data set concatenation:
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
4. 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
5. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   //EKGIN2 DD DSN=&SQ1..SEKGAS1,DISP=SHR
   to
   //EKGIN2 DD DSN=&SQ1..CNMSAMP,DISP=SHR
6. If you have not installed the Language Environment for OS/390 run-time library in LNKLSTxx, be sure the library name in the STEPLIB of EKGLOADP is correct and uncommented. Remove DD statements for PL/I or C/C++ run-time libraries because these libraries are no longer being used.
7. Remove the PLIDUMP DD statement from EKGLOADP.
EKGXRODM

EKGXRODM is the start procedure for RODM.

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.

2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

3. The high-level qualifier for VSAM data sets has changed from EKG to NETVIEW.CNM01.

4. A new start option has been added, TYPE=COLDFORC, to prevent the WTO message when cold starting RODM.

5. The ARM parameter controls RODM registration with the MVS Automatic Restart Manager. Add the following in the PROC statement:

\[
\text{// ARM=NOARM, ** AUTOMATIC RESTART MANAGER OPTION}
\]

You can also use the MVS Automatic Restart Manager to group applications together by element type. The RODM element type is SYSNETV3. The element type cannot be changed.

If you want information about... Refer to...

MVS sysplex services and Automatic Restart Manager  z/OS Library

6. The SUBSYM parameter enables symbolic substitution for RODM. Add the following in the PROC statement:

\[
\begin{align*}
\text{// SUBSYM=**SUBSYM ** SYMBOL SUBSTITUTION OPTION} \\
\text{// ** SUBSYM = ENABLE SYMBOL} \\
\text{// ** SUBSTITUTION} \\
\text{// ** NOSUBSYM = DISABLE SYMBOL} \\
\text{// ** SUBSTITUTION} \\
\text{// ** DEFAULT OPTION = *SUBSYM}
\end{align*}
\]

7. Update the START statement as follows:

\[
\text{//START EXEC PGM=EKGTC000,REGION=0K,TIME=1440,} \\
\text{PARM='TYPE,NAME,INIT,CLRSSB,ARM,ARM,ARM'}
\]

8. If you have not installed the Language Environment for OS/390 run-time library in LNKLSTxx, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ run-time libraries because these libraries are no longer being used.

9. The size of the RODM checkpoint data sets must be large enough to checkpoint all of the data that is created in RODM.

If you do not plan to use the RODM checkpoint function, add the following statement to the EKGCUST RODM customization member:

\[
\text{CHECKPOINT_FUNCTION(NONE)}
\]

Then comment the checkpoint data sets out of the EKGXRODM procedure:

\[
\begin{align*}
\text{//EKGMAST DD DSN=&VQ1..EKGMAST,DISP=SHR} \\
\text{//EKTRAN DD DSN=&VQ1..EKTRAN,DISP=SHR} \\
\text{//EKGDO001 DD DSN=&VQ1..EKGC001,DISP=SHR} \\
\text{//EKGDO002 DD DSN=&VQ1..EKGC002,DISP=SHR}
\end{align*}
\]

Also, change the EKGIN3 DD statement to:

\[
\text{//EKGIN3 DD DUMMY}
\]
Migrating from NetView V3R1

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

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

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

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

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

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

To:

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

13. 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
```

14. 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
```

15. 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
```

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
- CNMSTGEN
- CNMSTTWR
- DSIAMLTD
- DSICMD
- DSICMDU (Data REXX support)
- DSIDMN
- DSIIILGCF
- DSILUCTD
- DSIOPF
- DSIREXCF
- DSIRSHCF
Use of Symbolics in Parameter Files

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

- &CNMTCPN for the TCP/IP application name
- &CNMRODM for the RODM name
- &CNMNETID for the network identifier

Based on the values defined in CNMSTYLE, the NetView program creates several user symbolics that are used in the following parameter files:

- DSIIILGCF
- DSIQTSKI
- DSIREXCF
- DSIRSHCF
- DSIRTITTD
- DSITCPCF
- DSIVPARM
- DSIWBMEM
- DUIFPMEM
- DUIIGHB
- FLBSYSD
- FLCSAINP

&DOMAIN is an additional NetView user symbolic and is used in the following parameter files:

- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTYLE
- DSIAMIAT
- DSIAMII
- DSITBL01
- FLBSYSD
Chapter 4. Migrating from TME 10 NetView for OS/390 Version 1 Release 1

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from TME 10 NetView for OS/390 Version 1 Release 1. It is assumed that no maintenance has been applied (or no changes have been made since the release from which you are migrating). You can either upgrade your existing NetView definitions, or use the ones supplied with the V5R1 program and add any customization you might have performed for the definitions.

For maintenance, you might want to copy any DSIPARM members that you previously customized, and any DSIPARM members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPARM. This way, the NetView program can use members that were not changed from the NETVIEW.V5R1M0.DSIPARM data set.

You may also want to copy any DSIPRF members that you have previously customized, and any DSIPRF members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPRF. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPRF data set.

Note: Make all changes to definition statements in uppercase.

The NetView initialization flow has been simplified through the implementation of CNMSTYLE. Figure 8 shows the simplified NetView V5R1 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

NetView Initialization Flow

DSIDMN
  - DSIDMNU (migration for user DST and OPT tasks)

CNMSTYLE
  - Tower settings
  - Autotasks, parameters, initialization commands
  - CNMSTPWD (passwords not in security product)
  - CNMSTASK (DST and OPT task information)
  - CNMSTTWR (tower customization)
  - CNMSTGEN (user customization)
  - CNMSTNXN (future migration)

Figure 8. NetView V5R1 Initialization Flow

When you finish with this chapter, continue with "Chapter 8. Getting Ready to Start NetView" on page 143.

If you want information about... Refer to...

Changes including panels, commands, messages, and samples

Appendix B. Changes from TME 10 NetView for OS/390 Version 1 Release 1 to TME 10 NetView for OS/390 Version 1 Release 2" on page 183
New Samples

Table 19 lists new system definitions to review during migration.

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CNMCAU00</td>
<td>MVS command management exclusion/inclusion table</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSAF2</td>
<td>Sets RACF definitions for NetView operators and commands</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSBAK1</td>
<td>Backup command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSCAT2</td>
<td>Sample command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSHMAT</td>
<td>Automation sample for hardware monitor instrumentation</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSHTSP</td>
<td>Displays a list of Web addresses which can be selected to access websites</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSJSQL</td>
<td>SQL plan installation sample job</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSPAN2</td>
<td>Sample NetView span table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTASK</td>
<td>NetView-provided task statements</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTDAT</td>
<td>Topology Display Instrumentation automation table sample</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSTGEN</td>
<td>You can include additional or modified CNMSTYLE definition statements, including DATA REXX logic.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTNXT</td>
<td>Includes NetView-supplied CNMSTYLE updates</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTPWD</td>
<td>Includes VSAM and ACB passwords.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTSOS</td>
<td>MVS start command sample to start the NetView TSO command server as a started task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTTWR</td>
<td>Includes style statements from non-NetView towers.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTYLE</td>
<td>Defines some of the NetView initialization parameters.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSUNXS</td>
<td>MVS start command sample to start the NetView UNIX command server as a started task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSURLS</td>
<td>Contains a list of Web addresses read by CNMSHTSP</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSVTET</td>
<td>VTAM monitor auto-table: message suppression</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSVTFT</td>
<td>VTAM monitor auto-table entries</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>DSIAAMIAT</td>
<td>Automation table for Application Management Instrumentation</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>DSIAAMIE</td>
<td>Application Management Instrumentation for NetView on a host with an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>Distributed As</td>
<td>Name</td>
<td>Description</td>
<td>Data Set Name</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>DSIAMII</td>
<td>same</td>
<td>Application Management Instrumentation autotask initialization and termination configuration file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIN</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host not running the event automation service</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIR</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host without an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIT</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host with an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTB</td>
<td>same</td>
<td>Part list for usage of the AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTBU</td>
<td>same</td>
<td>User defined part list for AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIDB2DF</td>
<td>same</td>
<td>Sample initialization member for task DSIDB2MT</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIIILGCF</td>
<td>same</td>
<td>Syslog task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIPROFG</td>
<td>same</td>
<td>Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIPROFK</td>
<td>same</td>
<td>Automated operator profile for instrumentation autotask</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIPROFV</td>
<td>same</td>
<td>Automated operator profile for the visual BLDVIEWS server</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIREXCF</td>
<td>same</td>
<td>Rexec server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRHOST</td>
<td>same</td>
<td>RSH security file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRSHCF</td>
<td>same</td>
<td>RSH server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRTTTD</td>
<td>same</td>
<td>TCP/IP alert receiver</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSISCHED</td>
<td>same</td>
<td>CHRON command calendar schedule file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIWBMEM</td>
<td>same</td>
<td>Initialization parameters for the NetView Web Server</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIW3PRF</td>
<td>same</td>
<td>Properties definitions for 3270 web sessions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DUIFNRM1</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from ALL monitored NetViews.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIFNRM2</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from a single NetView.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIIGHB</td>
<td>same</td>
<td>Initialization values for the DUIIDGHB task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DUIPOLICY</td>
<td>same</td>
<td>Define NMCSTATUS policy definitions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>EZLINSMP</td>
<td>same</td>
<td>This sample provides an example for the AON INFORM policy.</td>
<td>DSIPARM</td>
</tr>
</tbody>
</table>
## VTAM Address Space

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

### ATCCONxx

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

### A01APPLS (CNMS0013)

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

Define at least 60 NetView subtask APPL statements to A01APPLS if you plan on running all components concurrently.

To enable the takeover or reconnect capability for NetView operators, include the PASS value in the AUTH= definition. For example:
CNMNET (CNMSJ008)

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

Change CNMNET in your PROCLIB to include the following:
1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

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 V5R1 copy of AAUPRMLP, and update the NLD files in CNMSTYLE to reflect the values previously specified in AAUPRMLP. Do not modify the Data REXX version of AAUPRMLP.

BNJMBDST

If you made changes to BNJMBDST (hardware monitor initialization member), migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data REXX version of BNJMBDST.

CNME1034

If you made changes to CNME1034 to extend the processing performed during NetView initialization, you need to incorporate equivalent changes to member CNMSTYLE in DSIPARM. 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>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correlated command definition file</td>
<td>CCDEF MEMBER=DSICCDEF</td>
<td>CCDEF * DSICCDEF</td>
</tr>
<tr>
<td>Load automation table</td>
<td>AUTOTBL MEMBER=DSITBL01</td>
<td>AUTOCMD.DSITBL01.order = A</td>
</tr>
<tr>
<td>Setting initial defaults</td>
<td>DEFAULTS NetLog=NO, SYSLog=YES</td>
<td>DEFAULTS.NetLog = Yes</td>
</tr>
<tr>
<td></td>
<td>DEFAULTS.SysLog = No</td>
<td>DEFAULTS.SysLog = No</td>
</tr>
<tr>
<td>Translation member</td>
<td>TRANSMGS MEMBER=CNMTRMSG</td>
<td>transMember = CNMTRMSG</td>
</tr>
</tbody>
</table>
### Table 20. CNME1034 Statements Moved to CNMSTYLE (continued)

<table>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASSIGN</strong></td>
<td>ASSIGN GROUP=+STATGRP, OP=(NETOP1,NETOP2)</td>
<td>ASSIGN.STATGRP.GROUP = NETOP1,NETOP2,AUTO1 ASSIGN.OPERGRP.GROUP = OPER1,OPER2,OPER3,OPER4,OPER5,OPER6</td>
</tr>
<tr>
<td><strong>HLLENV</strong></td>
<td>HLLENV CHANGE,REGENVS=2, CRITENVS=0,TYPE=IBMHLPLI</td>
<td>HLLENV.IBMADPLI.REGENVS=2 HLLENV.IBMADPLI.CRITENVS=0 HLLENV.IBMADPLI.DEFAULT=NOTPREINIT HLLENV.IBMADPLI.PSTACK=4096 HLLENV.IBMADPLI.PHEAP=4096 HLLENV.IBMADC.REGENVS=2 HLLENV.IBMADC.CRITENVS=0 HLLENV.IBMADC.DEFAULT=NOTPREINIT HLLENV.IBMADC.PSTACK=4096 HLLENV.IBMADC.PHEAP=4096</td>
</tr>
<tr>
<td><strong>Start VTAM CMIP Services</strong></td>
<td>F NET,VTAMOPTS,OSIMGMT=YES TOWER = Graphics</td>
<td>TOWER = Graphics TOWER.Graphics = SNATM</td>
</tr>
<tr>
<td><strong>DBINIT</strong></td>
<td>auxInitCmd.DB1=DBINIT NLDM NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00:00 TOWER.Graphics = SNATM</td>
<td>auxInitCmd.DB1=DBINIT NLDM NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00:00 TOWER.Graphics = SNATM</td>
</tr>
<tr>
<td><strong>Global variables</strong></td>
<td>&amp;CGLOBAL SMFVPD &amp;CGLOBAL DUIFHNAM &amp;CGLOBAL DUIFHPRC &amp;CGLOBAL EKGHNAM &amp;CGLOBAL EKGHPRC</td>
<td>COMMON.SMFVPD = 37 COMMON.DUIFHNAM = GMFHS COMMON.DUIFHPRC = CNMGMFHS COMMON.EKGHNAM = RODM COMMON.EKGHPRC = EKGXRODM</td>
</tr>
<tr>
<td><strong>Serialization through the PPT</strong></td>
<td>&amp;CGLOBAL CGAUTHID1 &amp;CGLOBAL CGAUTHID2 &amp;CGLOBAL CGAUTHID3 &amp;CGLOBAL CGAUTHID4</td>
<td>No longer necessary</td>
</tr>
</tbody>
</table>

To define a command or a command list to run automatically when the NetView program is started, use the auxInitCmd keyword in CNMSTYLE. You can specify any number of commands or command lists to be run.

**CNMPROC (CNMSJ009)**

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

Due to the extensive changes to this member, use the V5R1 copy. If you made changes in CNMPROC, merge your changes into the CNMPROC sample shipped in V5R1.
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.V5R1M0.

2. If necessary, change the DSIG default value to null:
   ```
   // DSIG='''
   /**
    * Subsystem command designator
    */
   /**
    * 1-8 characters. This is registered
    */
   /**
    * to one system or all systems in the
    */
   /**
    * sysplex depending on the PFXREG
    */
   /**
    * parameter described below.
    */
   /**
    * If no value is specified, the 4
    */
   /**
    * character subsystem name is used.
    */
   **
   The default value is the 4-character subsystem name.
   ```

3. Add a comma following the ARM parameter to enable the prefix registration option:
   ```
   // ARM='*NOARM',
   /**
    * AUTOMATIC RESTART (ARM) USAGE
    */
   **
   ```

4. Add the following statements after the ARM statement to enable the prefix registration option on a single system:
   ```
   // PFXREG='ONE'
   /**
    * Prefix Registration option.
    */
   /**
    * ONE = prefix is registered on one
    */
   /**
    * system.
    */
   /**
    * ALL = prefix is registered on all
    */
   /**
    * systems in the sysplex.
    */
   /**
    * NO = registration avoided and may
    */
   /**
    * cause duplicates
    */
   **
   ```

Add the &PFXREG symbolic parameter to enable prefix registration to the NetView execution statement, as follows:
   ```
   //NETVIEW EXEC PGM=&PROG,TIME=1440,REGION=&REG.K,
   // PARM=(&MBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
   // '&PFXREG'),DPRTY=(13,13)
   **
   ```

5. Add the following statements after the ARM statement to set the number of PPI 256 byte and 4000 byte buffers. Note that these statements are optional, and if they are not specified, the default values of 300 and 0 are used, respectively.
   If you add these statements, add a comma after the PFXREG='ONE' statement.
   ```
   // P256BUF=300,
   /**
    * Number of 256 byte PPI buffers to use
    */
   // P4000BUF=0
   /**
    * Number of 4000 byte PPI buffers to use
    */
   **
   ```

If you add the &P256BUF and &P4000BUF symbolic parameters to allow setting the number of buffers for the PPI 256 byte and 4000 byte sizes, the default values of 300 and 0 are used, respectively.
   ```
   //NETVIEW EXEC PGM=&PROG,TIME=1440,REGION=&REG.K,
   // PARM=(&MBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
   // '&PFXREG',&P256BUF,&P4000BUF),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 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.

### Table 21. CNMSTYLE Statement Relationship to Older DSIPARM Statements

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACBpassword¹</td>
<td>NCCFID DMNPSW</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>ASSIGN</td>
<td>CNME1034</td>
</tr>
<tr>
<td>AUTOCMD</td>
<td>• NCCFIC autotbl_name</td>
<td>• DSIDMNK</td>
</tr>
<tr>
<td></td>
<td>• AUTOTBL</td>
<td>• CNME1034</td>
</tr>
<tr>
<td>AUTOTASK</td>
<td>AUTOTASK</td>
<td>CNME1034</td>
</tr>
<tr>
<td>auxInitCmd.order</td>
<td>NCCFIC IC</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>COMMON</td>
<td>&amp;CGLOBAL</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DEFAULTS</td>
<td>DEFAULTS</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DEFAULTS.MAXABEND</td>
<td>MAXABEND</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DEFAULTS.MAXLOGON</td>
<td>MAXLOGON</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DOMAIN</td>
<td>NCCFID DOMAINID</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>FLC_DEF_NETW_VIEW</td>
<td>DEF_NETW_VIEW</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_EXCEPTION_VIEW_FILE</td>
<td>EXCEPTION_VIEW_FILE</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMINT</td>
<td>RODMINT</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMNAME</td>
<td>RODMNAME</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMRETRY</td>
<td>RODMRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RUNCMDRETRY</td>
<td>RUNCMDRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>LOADEXIT</td>
<td>LOADEXIT</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>LUC</td>
<td>parameters</td>
<td>DSIUCTD</td>
</tr>
<tr>
<td>MSMdefault</td>
<td>DEF_AUTOTASK</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>MVSPARM</td>
<td>MVSPARM</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>NLDM</td>
<td>parameters</td>
<td>• AAUPRMLP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIAMLTD</td>
</tr>
<tr>
<td>NPDA</td>
<td>parameters</td>
<td>BNJMBDST</td>
</tr>
<tr>
<td>NPDA.ALERTFWD</td>
<td>ALERTFWD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>RRD</td>
<td>RRD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>SECOPTS</td>
<td>OPTIONS</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>SuppChar</td>
<td>NCCFID SUPPCHAR</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>TAMEL</td>
<td>parameters</td>
<td>DUIFPMEM</td>
</tr>
<tr>
<td>TASK</td>
<td>TASK</td>
<td>DSIDMN</td>
</tr>
<tr>
<td>transTbl</td>
<td>TRANSTBL</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>VTAMCP.USE</td>
<td>VTAMCP</td>
<td>DSIDMNK</td>
</tr>
</tbody>
</table>

**Note:** 1. This statement is contained in CNMSTYLE include member CNMSTPWD.

CNMSTYLE contains descriptive comments about the types of statements that can be included in the member. Read the comments and review the defaults. The following defaults changed:
Table 22. CNMSTYLE statements

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCF Trace</td>
<td>Off</td>
<td>On, MODE=INT</td>
</tr>
<tr>
<td>LOGONPW</td>
<td>CMDMDL commented out</td>
<td>CMDMDL enabled</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>STATGRP specifies:  • NETOP1  • NETOP2</td>
<td>STATGRP specifies:  • NETOP1  • NETOP2  • AUTO1  OPERGRP specifies:  • OPER1  • OPER2  • OPER3  • OPER4  • OPER5  • OPER6</td>
</tr>
<tr>
<td>MEMSTOR</td>
<td>Commented out in CNME1034</td>
<td>Enabled</td>
</tr>
<tr>
<td></td>
<td>No predefined include or exclude lists</td>
<td>Predefined include list:  • CNMPNL1.CNMKWIN  • CNMPNL1.CNMBROWS  • DSIOPEN.CNMBE1505  • DSIOPEN.CNME1096  • DSIOPF.DSIOPF  • DSIOPF.DSIOPFU  • DIOPF.*  • *USERMEM</td>
</tr>
<tr>
<td>IDLEOFF</td>
<td>Commented out in CNME1034</td>
<td>Runs on AUTO1 in CNMSTYLE.</td>
</tr>
<tr>
<td>HLLENV</td>
<td>Commented out in CNME1034</td>
<td>Initializes two environments each for PL/I and C in CNMSTYLE.</td>
</tr>
<tr>
<td>DEFAULTS command keywords</td>
<td>MAXABEND=1</td>
<td>MAXABEND=4</td>
</tr>
<tr>
<td></td>
<td>AUTOLOGN=NO</td>
<td>AUTOLOGN=YES</td>
</tr>
<tr>
<td></td>
<td>AUTOSEC=CHECK</td>
<td>AUTOSEC=BYPASS</td>
</tr>
<tr>
<td>Tasks started automatically:</td>
<td>CNME1034 included a STARTCNM ALL command that started these tasks.</td>
<td>CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.</td>
</tr>
<tr>
<td>• &amp;DOMAIN.LUC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• &amp;DOMAIN.VMT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AUTCNMI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AUTSKLP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSERV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSER3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJMNPDA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAMLUT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAOPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSICRTR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIGDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSKREM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSQTSK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIROVS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIITRCE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Migrating from NetView V1R1

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.

<table>
<thead>
<tr>
<th>If you want information about...</th>
<th>Refer to...</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSTYLE statements</td>
<td><a href="#">Tivoli NetView for z/OS Administration Reference</a></td>
</tr>
</tbody>
</table>

DSIAMTLTD

DSIAMTLTD is a member of DSIPARM that contains initialization statements for the session monitor. It includes logic to extract initialization values from CNMSTYLE. Use the V5R1 copy of DSIAMLTD, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in DSIAMLTD. 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 V5R1.

DSICMD

Due to extensive changes in DSICMD, it is recommended that you use the V5R1 version of DSICMD.

The %INCLUDE structure has changed, as follows:

- DSICMDB has been replaced by DSICMSYS and DSICMENT.
- DSICMDM and DSICMDT have been replaced by DSICMENT.

Notes:

1. The %INCLUDE statements for the AON DSICMD include members EZLCMD, FKVCMD, and FKXCMD that were in DSICMDM are now in DSICMENT. Commands that were in include member FKWCMD were deleted and FKWCMD is no longer used.
2. The MultiSystem Manager commands that were in %INCLUDE member FLCSCMD and were included by DSICMDM are now in DSICMENT. FLCSCMD is no longer used.

When migrating to the V5R1 copy of DSICMD:

1. Place user-defined commands in DSICMDU.
2. Migrate any command or keyword synonyms.

For command authorization, use the NetView command authorization table or the NETCMDS class in the SAF product. Scope of commands is no longer supported. You can use the SECMIGR command to migrate your command authorization from scope of commands to the NetView command authorization table. For suggested command authority settings, refer to samples CNMSAF2 or CNMSCAT2. For more information, refer to [Tivoli NetView for z/OS Security Reference](#).
You can remove any scope of command authorization statements (CMDCLASS, KEYCLASS, and VALCLASS statements). If present, these statements are ignored.

**Note:** If you separated your customized CMDMDL statements into a separate data set member and added a %INCLUDE for the NetView-supplied DSICMD member, remove the %INCLUDE for DSICMD. Rename your customized member to DSICMDU and allow the NetView program to run with the DSICMD version shipped in NETVIEW.V5R1M0.DSIPARM. If you use this option, ensure that you do not have duplicate CMDMDL statements in any member that is included in DSICMD.

You can add Data REXX logic to conditionally %INCLUDE command definitions. 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.

There is an alternate approach if you do not take advantage of the Data REXX version of DSICMD. DSICMD1B, DSICMD1C, DSICMD1D, and DSICMD51 are nonexecutable samples containing the CMDMDL statements that are new for this release. Review these samples. You can either copy the samples into your DSICMD or add the following statements to the beginning of your DSICMD:

```
%INCLUDE DSICMD1B
%INCLUDE DSICMD1C
%INCLUDE DSICMD1D
%INCLUDE DSICMD51
```

These %INCLUDE statements cause DSICMD1B, DSICMD1C, DSICMD1D, and DSICMD51 to be read into DSICMD at run time. This is not the recommended approach, but allows you to get the NetView program running. You can then separate your CMDMDL statements at a later time. If you decide on this approach, make the following additional changes to your existing DSICMD:

1. Add the following CMDSYN statement under the CNME1505 command model statement:
   ```
   CMDSYN <
   
   The CNME1505 command model statement is in DSICMDB or DSICMD24.
   
   2. Add the following CMDSYN statement for AONCMD under the EXCMD command model statement:
      ```
      EXCMD CMDMDL MOD=DSIEXCMD,TYPE=R,RES=Y
      CMDSYN AONCMD
      ```
      
   3. Add the following IGNRLSUP keyword to the CLOSE command model statement:
      ```
      CLOSE CMDMDL MOD=DSICLP,TYPE=B,IGNRLSUP=*
      ```
      
   4. Add the following CMDMDL statement to your DSICMD. This command was previously contained in the MultiSystem Manager command member FLCSCMD. This command is now available as part of RODM and is currently being used by MultiSystem Manager and some Automated Operations Network (AON) functions. Add appropriate command authorizations.
      ```
      FLCARODM CMDMDL MOD=FLCARODM,TYPE=R, RES=Y
      CMDSYN MSMACC
      ```
      
   5. Delete the following CMDMDL statements:
      ```
      ACCTSNA CMDMDL MOD=FLBGMCMD,TYPE=R,RES=Y
      CNME7007 CMDMDL MOD=DSICCP
      CMDSYN AUTOB146
      ```
Migrating from NetView V1R1

| CNME7023  CMDMDL MOD=DSICCP |
| CMDMDL MOD=DSICCP |
| IPMINIT CMDMDL MOD=DUIFBRINT,TYPE=R,RES=Y |
| DUIFBRIN CMDMDL MOD=DUIFBRINT,TYPE=R,RES=Y |
| DUIFBRIT CMDMDL MOD=DUIFBRINT,TYPE=R,RES=Y |
| DUIFBR CMDMDL MOD=DUIFBR,TYPE=R,RES=Y |
| DUIFBS CMDMDL MOD=DUIFBS,TYPE=R,RES=Y |
| FLCARREQ CMDMDL MOD=DSICCP |
| CMDMDL MOD=DSICCP |
| SESSMDIS CMDMDL MOD=DSINDISP |

Notes:

a. The ACCTSNA command model statement is in DSICMDT or DSICMD31.
b. The CNME7023 command model statement is in DSICMDB.
c. The FLCARREQ command model statement is in FLCSCMD.
d. The SESSMDIS command model statement is in DSICMDM.

6. The AON CMDMDL statements are included in NetView by the following DSICMD include members:

- EZLCMD (Base AON statements)
- FKVCMD (AON/SNA automation)
- FKXCMD (AON/TCP)

Due to the extensive changes, use the V5R1 versions of these DSICMD include members. Some changes to consider include:

- The SEC=BY keyword was removed from many, but not all, of the AON CMDMDL statements. Review your AON command security definitions to determine if removing this keyword is appropriate for your environment. Refer to "Appendix F. AON CMDMDL Statements Without SEC=BY" on page 253 for a complete list of AON commands affected by this change.
- All of the CMDMDL statements within sample FKWCMD have been removed. Sample FKWCMD has been deleted. Remove the %INCLUDE statement for FKWCMD.

DSICRTTD

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

DEFFOCPT PRIMARY=CMN02LUC,TYPE=STATUS

DSICTMOD

DSICTMOD is the NetView constants module that can be updated using sample job CNMS0055. It is recommended that you use the DSICTMOD module shipped with V5R1. If you updated CNMS0055 for your current release, merge those changes into the V5R1 version of CNMS0055 and run it to assemble and link-edit your changes into the DSICTMOD module.

DSIDMN

The parameters set in DSIDMN 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.
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 "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.

Suffixes appended to the domain name to generate the VTAM application name for the terminals are now in hexadecimal format. You can define additional APPL statements using this new naming scheme.

**Note:** 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 would make the application names unavailable for the purpose for which they were defined.

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

### DSIDMNU

User TASK statements are no longer contained in DSIDMNU. They have been replaced by entries in CNMSTYLE include member CNMSTGEN. You can migrate the TASK statements that are currently coded in DSIDMNU to TASK statements in the format expected by CNMSTYLE. 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 DSIDMNU 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 [Tivoli NetView for z/OS User's Guide](https://www.ibm.com). For more information on the PIPE KEEP command, refer to [Tivoli NetView for z/OS Customization: Using Pipes](https://www.ibm.com).

DSIDMNU is still supported. However, any task groups found in CNMSTYLE will override similar statements found in DSIDMN.

### DSIEX18 (CNMS4298)

The CNMS4298 sample is no longer used for the BLOG command. If you have an installation-customized DSIEX18, it is still permitted and participates with the BLOG filtering in the following manner:

1. Enter a regular BROWSE NETLOGx request:
   
   DSIEX18 sees every record that is read from the network log as the operator interacts with the log.

2. Enter a BLOG request:

   BLOG filtering is first processed internally for every record that is read from the network log as the operator interacts with the log. Next, any records that are permitted for display by BLOG filtering are then passed to your DSIEX18.
Migrating from NetView V1R1

If your installation includes BLOG sample CNMS8009, delete it; beginning in V5R1, BLOG is not implemented as a sample, but has been integrated into the NetView program.

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 V5R1 copy of DSILUCTD, and update the LUC statements in CNMSTYLE to reflect the values previously specified in DSILUCTD.

DSIOPF

Due to extensive changes to DSIOPF, it is recommended that you use the V5R1 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, 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 V5R1 version of DSIOPF.

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.

The following information is provided to highlight modifications to DSIOPF since NetView V1R1. The following lists of new, changed, and deleted operator definitions should be considered as you migrate your operator definitions, especially with regard to security.

The following operator definitions have been removed:

| AUTOATM1 | OPERATOR | PASSWORD=AUTOATM1 |
| AUTOATMA | OPERATOR | PASSWORD=AUTOATMA |
| AUTOLMU1 | OPERATOR | PASSWORD=AUTOLMU1 |
| AUTOLMUA | OPERATOR | PASSWORD=AUTOLMUA |
| AUTONWA  | OPERATOR | PASSWORD=AUTONWA  |
| AUTONW1  | OPERATOR | PASSWORD=AUTONW1  |
| DBAUTO3  | OPERATOR | PASSWORD=DBAUTO3  |
| DBAUTO4  | OPERATOR | PASSWORD=DBAUTO4  |
| DNAUTOOP | OPERATOR | PASSWORD=DNAUTOOP |
| FLBGMGR  | OPERATOR | PASSWORD=FLBGMGR  |
| FWDOP1   | OPERATOR | PASSWORD=FWDOP    |
| FWDOP2   | OPERATOR | PASSWORD=FWDOP    |
| FWDOP3   | OPERATOR | PASSWORD=FWDOP    |
| FWDOP4   | OPERATOR | PASSWORD=FWDOP    |
| FWDOP5   | OPERATOR | PASSWORD=FWDOP    |
| IPMAUTO  | OPERATOR | PASSWORD=IPMAUTO  |
| PROFilen | FLCSFRFB |
| PROFilen | DSIPROFD |
| PROFilen | DSIPROFD |
| PROFilen | FLCSFRFB |
| PROFilen | DSIPROFD |
| PROFilen | DSIPROFD |
| PROFilen | FLCSFRFB |
| PROFilen | FLCSFRFB |
| PROFilen | DSIPROFD |
| PROFilen | DSIPROFD |
| PROFilen | FLCSFRFB |
| PROFilen | DSIPROFD |
| PROFilen | DSIPROFD |
Remove the FKWOPF %INCLUDE member.

The following operator definitions have been added:

<table>
<thead>
<tr>
<th>Operator Definition</th>
<th>DSIOPF Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrumentation autotask</td>
<td>AUTOAMI OPERATOR PASSWORD=AUTOAMI PROFLEN DSIPROFK</td>
</tr>
<tr>
<td>NetView Web Server autotask</td>
<td>DSIWEB OPERATOR PASSWORD=WEBSERV PROFLEN DSIPROFD</td>
</tr>
<tr>
<td>VTAM ACB monitor autotasks</td>
<td>AUTOVTAC OPERATOR PASSWORD=AUTOVTAC PROFLEN DSIPROFB AUTOVTDB OPERATOR PASSWORD=AUTOVTDB PROFLEN DSIPROFB</td>
</tr>
<tr>
<td>NetView policy services autotask</td>
<td>AUTOAON OPERATOR PASSWORD=AUTOAON PROFLEN DSIPROFC</td>
</tr>
<tr>
<td>MVS command management autotask</td>
<td>DSMCAOP OPERATOR PASSWORD=CMDAUTO PROFLEN DSIPROFD</td>
</tr>
<tr>
<td>NetView Resource Manager autotask</td>
<td>AUTONRM OPERATOR PASSWORD=AUTONRM PROFLEN DSIPROFC</td>
</tr>
<tr>
<td>GMFHS autotask to process NMCSTATUS policy definitions</td>
<td>DUIFPOLI OPERATOR PASSWORD=DUIFPOLI PROFLEN DSIPROFI</td>
</tr>
<tr>
<td>Autotask to serve Visual BLDVIEWS clients over a TCP/IP connection</td>
<td>AUTOVBV OPERATOR PASSWORD=AUTOVBV PROFLEN DSIPROFV</td>
</tr>
<tr>
<td>AON autotask definitions added to DSIOPF include member EZLOPF</td>
<td>AUTOIV1 OPERATOR PASSWORD=AUTOIV1 PROFLEN EZLPRFAO AUTOINF OPERATOR PASSWORD=AUTOINF PROFLEN EZLPRFAO</td>
</tr>
<tr>
<td>AON TCP/IP autotask definitions added to DSIOPF include member FKKOPF</td>
<td>AUTTCPn OPERATOR PASSWORD=AUTTCPn PROFLEN EZLPRFAO AUTT3901 OPERATOR PASSWORD=AUTT3901 PROFLEN EZLPRFAO AUTT3902 OPERATOR PASSWORD=AUTT3902 PROFLEN EZLPRFAO AUTT390M OPERATOR PASSWORD=AUTT390M PROFLEN EZLPRFAO AUTT390A OPERATOR PASSWORD=AUTT390A PROFLEN EZLPRFAO</td>
</tr>
</tbody>
</table>

where $n$ is 1 through 10.
### EZLOPF

In DSIOPF `%INCLUDE` member EZLOPF, the following has 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 to AONMSG.

### FKVOPF

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

### DSIRXPRM

DSIRXPRM contains the REXX initialization parameters required to establish a new REXX environment. DSIRXPRM can be updated using sample job CNMSJM11. It is recommended that you use the V5R1 version of DSIRXPRM. If you updated CNMSJM11 for your current release, merge those changes into the V5R1 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. 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 V5R1 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 to include an AUTOCMD statement for your automation table.

**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 V5R1 copy of DSITCPCF, and update the MCON statements in CNMSTYLE 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. This statement defines the encryption keys for HTTP server sessions.

**DSIUINIT**

If you made changes to DSIUINIT (initialization member for task DSIUDEST), migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data REXX version of DSIUINIT.

**DSIZVLSR**

DSIZVLSR defines the buffer pools to be used with the VSAM LSR and DSR performance options. DSIZVLSR can be updated by using sample job CNMSJM01. It is recommended that you use the DSIZVLSR module shipped with V5R1. If you updated CNMSJM01 for your current release, merge those changes into the V5R1 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 V5R1 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE 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
Migrating from NetView V1R1

- MAXRESOURCES
- MAXNETWORKS
- MAXSccount
- SC
- STATUSTABLE

FLBOSIDS
FLBOSIDS is a table that maps the OSI status values to the DisplayStatus values. Because of the number of changes, use the new sample job.

FLBOSIDU is the sample %INCLUDE for FLBOSIDS.

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

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.

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.

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 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 V5R1, FLCSAINP was the sample initialization file for the MultiSystem Manager. FLCSAINP could be modified and renamed to either FLCAINP or another unique name. In V5R1, 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 V5R1, 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.
2. Delete the definitions (non-GETTOPO statements) that you migrated to CNMSTYLE.
3. Delete any GETTOPO NWCPxxx statements.
4. Delete any GETTOPO LMUxxx statements.
5. Delete any GETTOPP ATMxxx statements.

Refer to 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 CNMHELPF supplied in the NETVIEW.V5R1M0.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 Tivoli NetView for z/OS Customization Guide

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:

• For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
• For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
• The REG parameter controls the region size for the main task. Increase the region size to 64M in the PROC statement:
Migrating from NetView V1R1

// REG=64M, ** REGION SIZE IN K FOR MAIN TASK
//** ** BUMP THE REGION SIZE UP IF YOU ARE
//** ** PROCESSING LARGE COLLECTIONS USING
//** ** THE RESOURCE COLLECTION MANAGER TASK
//** ** AND THE GMFHS PROGRAM RECEIVES STORAGE
//** ** ABENDS THAT INDICATE THE OUT-OF-STORAGE
//** ** CONDITION.

• The ARM parameter controls GMFHS registration with the MVS automatic restart manager. Add the following in the PROC statement:
  // ARM=*NOARM, ** AUTOMATIC RESTART MANAGER
  //** **ARM = REGISTER WITH AUTOMATIC
  //** ** RESTART MGR. (ARM) USING
  //** ** GMFHS-GENERATED NAME, WHICH
  //** ** IS 'NETVIEW@@' CONCATENATED
  //** ** WITH UP TO 5 CHARACTERS OF
  //** ** THE VALUE OF THE DOMAIN
  //** ** KEYWORD IN THE JCL EXEC PARMS.
  //** ** OTHERWISE, GMFHS USES
  //** ** 'NETVIEW@@' PADDED WITH BLANKS
  //** ** name = REGISTER WITH ARM USING
  //** ** THE NAME PROVIDED BY THIS
  //** ** ARM KEYWORD
  //** ** +NOARM = DO NOT REGISTER WITH ARM
  //** ** DEFAULT OPTION = +NOARM

You can also use the MVS Automatic Restart Manager to group applications together by element type. The GMFHS element type is SYSNETV4. The element type cannot be changed.

• Update the AGGRST and RESWS values as follows:
  // AGGRST=N, ** RUN AGG CALCULATION ON STARTUP
  // RESWS=NO, ** RESOURCE STATUS WARM START

• The SUBSYM parameter enables symbolic substitution for the data set members that are read by GMFHS: DUIGINIT and DUIGPWLU.
  Add the following in the PROC statement:
  // SUBSYM=*SUBSYM ** SYMBOL SUBSTITUTION
  //** **SUBSYM = ENABLE SYMBOL
  //** **SUBSTITUTION
  //** ** +NOSUBSYM = DISABLE SYMBOL
  //** ** SUBSTITUTION
  //** ** DEFAULT OPTION = +SUBSYM

• The DUIDB database no longer exists. Remove the following qualifier from the PROC statement:
  // VQ1=NETVIEW, ** HIGH LVL DSN QUALIFIER-VSAM DSNS

Also remove the following statement:
  //CMDB D D DSN=&VQ1..&DOMAIN..DUIDB,DISP=SHR

• Update STEP1 as follows:
  //STEP1 EXEC PGM=&PROG,REGION=&REG,
  // TIME=1440,
  // PARM='&AGGRST,RESWS=&RESWS,DOMAIN=&DOMAIN,ARM=&ARM,SUBSYM=&SUBSYM'

• 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

• Add the following GMFHS output DD statement:
  //CMNN DD SYSSOUT=A

• If you are using the RODM component and are migrating from a previous release, change the following statement from:
The only HLL environment for starting GMFHS is Language Environment for OS/390. Remove DD statements for the PL/I run-time libraries because they are no longer used.

**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 Graphic Monitor Facility host subsystem (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.

1. To enable GMFHS to send Japanese text to an NMC console for display, add the following parameter:
   
   JAPANESE=ON

2. The TASK statement allows you 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. Change the values for the following parameters:
   
   - PRINTPDU38=INTERNAL
   - *TRACEBYTES=0

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

5. Delete the following parameter and the associated comments:
   
   - LOGPDU01=NONALERT

6. Add the following statements to DUIGINIT:

   - LCON-MAX-QUEUE-RCMGR=10000
     
     This statement specifies the maximum number of messages that can be held on the RCMGR task message queue.

   - LCON-MAX-LOCATE-RESOURCE-VIEWS=12
     
     This statement specifies the maximum number of views that are returned on a Locate Resource request. Increasing this value can cause timeouts on the workstation.

   - LCON-ASSOCIATE-NULL-NODE-WITH-LINK=0

**DUIGPWLU**

In DUIGPWLU, you can define to GMFHS graphic data server LU names that are not authorized to acquire a session. You can use symbols to represent the names if symbolic substitution is enabled on your system. Ensure that the symbols are defined in member IEASYMxx of SYS1.PARMLIB.
RODM Address Space

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

EKGCUST

EKGCUST is the sample RODM customization file in CNMSAMP.

1. The CONNECT_VIOLATION_MESSAGE statement enables you to send a message to the system console when a connection request fails. Add the following statement:
   CONNECT_VIOLATION_MESSAGE (NO)

2. The CHARACTER_VALIDATION statement enables you to control the amount of validity checking RODM does for class, object, and field names. Add the following statement:
   CHARACTER_VALIDATION (YES)
   YES is the default value.

3. The CHECKPOINT_FUNCTION statement enables you to control the RODM checkpoint function. Add the following statement:
   CHECKPOINT_FUNCTION (REQUEST)
   REQUEST is the default value.

For a description of the... Refer to...

<table>
<thead>
<tr>
<th>Statement</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHECKPOINT_FUNCTION statement</td>
<td><a href="#">Tivoli NetView for z/OS Administration Reference</a></td>
</tr>
<tr>
<td>CHARACTER_VALIDATION statement</td>
<td><a href="#">Tivoli NetView for z/OS Administration Reference</a></td>
</tr>
<tr>
<td>CONNECT_VIOLATION_MESSAGE</td>
<td><a href="#">Tivoli NetView for z/OS Administration Reference</a></td>
</tr>
</tbody>
</table>

EKLOADP

EKLOADP is the sample RODM load procedure JCL.

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.

2. 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

3. Add the following DD statement to the STEPLIB data set concatenation:
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR

4. 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

5. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   //EKGIN2 DD DSN=&SQ1..SEKGAS1,DISP=SHR
   to
6. If you have not installed the Language Environment for OS/390 run-time library in LNKJSTxx, be sure the library name in the STEPLIB of EKGLOADP is correct and uncommented. Remove DD statements for PL/I or C/C++ run-time libraries because these libraries are no longer being used.

7. Remove the PLIDUMP DD statement from EKGLOADP.

EKGXRODM

EKGXRODM is the start procedure for RODM.

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
3. A new start option has been added, TYPE=COLDFORC, to prevent the WTO message when cold starting RODM.
4. The ARM parameter controls RODM registration with the MVS Automatic Restart Manager. Add the following in the PROC statement:

   ```
   // ARM=*NOARM, ** AUTOMATIC RESTART MANAGER OPTION
   // *ARM = REGISTER WITH AUTOMATIC
   // ** REGISTER MGR. (ARM) USING
   // ** ROOM-GENERATED NAME, WHICH
   // ** IS 'NETVIEW#' CONCATENATED
   // ** WITH THE RODM NAME
   // ** name = REGISTER WITH ARM USING
   // ** THE NAME PROVIDED BY THIS
   // ** ARM KEYWORD
   // ** *NOARM = DO NOT REGISTER WITH ARM
   // ** DEFAULT OPTION = *NOARM
   ```

5. The SUBSYM parameter enables symbolic substitution for RODM. Add the following in the PROC statement:

   ```
   // SUBSYM=*SUBSYM ** SYMBOL SUBSTITUTION OPTION
   // *SUBSYM = ENABLE SYMBOL
   // SUBSTITUTION
   // ** SUBSYM = DISABLE SYMBOL
   // SUBSTITUTION
   // ** DEFAULT OPTION = *SUBSYM
   ```

6. Update the START statement to include the &ARM and &SUBSYM parameters:

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

If you want information about... Refer to...

<table>
<thead>
<tr>
<th>MVS sysplex services and Automatic Restart Manager</th>
<th>MVS/ESA Library</th>
</tr>
</thead>
</table>

5. The SUBSYM parameter enables symbolic substitution for RODM.

   ```
   // SUBSYM=*SUBSYM ** SYMBOL SUBSTITUTION OPTION
   // *SUBSYM = ENABLE SYMBOL
   // SUBSTITUTION
   // ** SUBSYM = DISABLE SYMBOL
   // SUBSTITUTION
   // ** DEFAULT OPTION = *SUBSYM
   ```

6. Update the START statement to include the &ARM and &SUBSYM parameters:

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

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

   ```
   //STEPLIB DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   // DD DSN=&SQ1..SEKGMOD2,DISP=SHR
   ```
8. Add the following DD statement to the STEPLIB data set concatenation:

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

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

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

   to

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

10. 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
```

11. 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
```

12. 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
```

13. If you have not installed the Language Environment for OS/390 run-time
library in LNKLSTxx or PROGxx, be sure the library name in the STEPLIB of
EKGXRODM is correct and uncommented. Remove DD statements for PL/I or
C/C++ run-time libraries because these libraries are no longer being used.

14. The size of the RODM checkpoint data sets must be large enough to
checkpoint all of the data that is created in RODM.

   If you do not plan to use the RODM checkpoint function, add the following
statement to the EKGCUST RODM customization member:

```
CHECKPOINT_FUNCTION(NONE)
```

   Then comment the checkpoint data sets out of the EKGXRODM procedure:

```
//EKGMAST DD DSN=&VQ1..EKGMAST,DISP=SHR
//EKGTRAN DD DSN=&VQ1..EKGTRAN,DISP=SHR
//EKGD001 DD DSN=&VQ1..EKGC001,DISP=SHR
//EKGD002 DD DSN=&VQ1..EKGC002,DISP=SHR
```

   Also, change the EKGIN3 DD statement to:

```
//EKGIN3 DD DUMMY
```

---

### Event/Automation Service Address Space

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

#### IHSAEVNT

IHSAEVNT starts the event automation service address space. Due to the number
of changes in IHSAEVNT, it is recommended that you use the V5R1 version of
IHSAEVNT.
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
- CNMSTGEN
- CNMSTTW
- DSIAMLTD
- DSICMD
- DSICMDU (Data REXX support)
- DSIDMN
- DSIIILGCF
- DSILUCTD
- DSIOPF
- DSIREXCF
- DSIRSHCF
- DSIRTTTD
- DSIṬBL01
- DSIṬCPCF
- DSUUINIT
- DSIWBMEM
- DUİFPMEM
- DUİGHMB
- EZLCFG01
- EZLDSIAO
- FKVCFG01
- FKVISTAO
- FKVTABLE
- FLBAUT
- HELPMAP (CNMS1048)

Use of Symbolics in Parameter Files

The NetView program uses the following system symbolics from SYS1.PARMLIB in parameter files CNMSTYLE and DUİGINIT:
- &CNMTCPN for the TCP/IP application name
- &CNMRODM for the RODM name
- &CNMNETID for the network identifier

Based on the values defined in CNMSTYLE, the NetView program creates several user symbolics that are used in the following parameter files:
- DSIIILGCF
- DSIQTSKI
- DSIREXCF
- DSIRSHCF
- DSIRTTTD
- DSIṬCPCF
- DSİVPARM
- DSIWBMEM
- DUİFPMEM
Migrating from NetView V1R1

- DUIIGHB
- FLBSYSD
- FLCSAINP

&DOMAIN is an additional NetView user symbolic and is used in the following parameter files:
- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTYLE
- DSIAMIAT
- DSIAMII
- DSITBL01
- FLBSYSD
Chapter 5. Migrating from TME 10 NetView for OS/390 Version 1 Release 2

This chapter describes how to migrate the NetView program to run as a production system if you are migrating from TME 10 NetView for OS/390 Version 1 Release 2. It is assumed that no maintenance has been applied (or no changes have been made since the release from which you are migrating). You can either upgrade your existing NetView definitions, or use the ones supplied with the V5R1 program and add any customization you might have performed for the definitions.

For maintenance, you may want to copy any DSIPARM members that you previously customized, and any DSIPARM members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPARM. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPARM data set.

You might also want to copy any DSIPRF members that you previously customized, and any DSIPRF members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPRF. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPRF data set.

Note: Make all changes to definition statements in uppercase.

The NetView initialization flow has been simplified through the implementation of CNMSTYLE. Figure 9 shows the initialization flow for NetView V1R2, and Figure 10 on page 74 shows the simplified NetView V5R1 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

NetView V1R2 Initialization Flow

DSIDMN
  DSIDMNX
    Initial Command specified
    (Other parameters)
  DSIDMNK/DSIDMNKU/DSIDMNT/DSIDMNN
    DST and OPT Tasks
CNME1034 (default initial command) runs under PPT
  Load AUTOTBL
    If log active THEN run CNME1035
      Console Ids
      Start CNMCSSIR
      STARTCNM ALL
    AUTOTASK AUTO1
      Initial Command CNME1032
      START TASK = DSILog
    AUTOTASK AUTO2
      (start other autotasks)

Figure 9. NetView V1R2 Initialization Flow
When you finish with this chapter, continue with "Chapter 8. Getting Ready to Start NetView" on page 143.

If you want information about... Refer to...

Changes including panels, commands, messages, and samples
"Appendix C. Changes from TME 10
NetView for OS/390 Version 1 Release 2 to Tivoli NetView for OS/390 Version 1 Release 3" on page 199

New Samples

Table 23 lists new system definitions to review during migration.

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMCAU00</td>
<td>same</td>
<td>MVS command management exclusion/inclusion table</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>CNMSAF2</td>
<td>same</td>
<td>Sets RACF definitions for NetView operators and commands</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>CNMSBAK1</td>
<td>same</td>
<td>Backup command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSCAT2</td>
<td>same</td>
<td>Sample command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSHTSP</td>
<td>same</td>
<td>Displays a list of Web addresses which can be selected to access websites</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>CNMSPAN2</td>
<td>same</td>
<td>Sample NetView span table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSURLS</td>
<td>same</td>
<td>Contains a list of Web addresses read by CNMSHTSP</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>CNMSTASK</td>
<td>same</td>
<td>NetView-provided task statements</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSTGEN</td>
<td>same</td>
<td>You can include additional or modified CNMSTYLE definition statements, including DATA REXX logic.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSTNXT</td>
<td>same</td>
<td>Includes NetView-supplied CNMSTYLE updates.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSTPWD</td>
<td>same</td>
<td>Includes VSAM and ACB passwords.</td>
<td>DSIPARM</td>
</tr>
</tbody>
</table>
**Table 23. List of New Samples (continued)**

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSTSOS</td>
<td>same</td>
<td>MVS start command sample to start the NetView TSO command server as a started task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSTTWR</td>
<td>same</td>
<td>Includes style statements from non-NetView towers.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSTYLE</td>
<td>same</td>
<td>Defines some of the NetView initialization parameters.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSUNXS</td>
<td>same</td>
<td>MVS start command sample to start the NetView UNIX command server as a started task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSVTET</td>
<td>same</td>
<td>VTAM monitor auto-table: message suppression</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSVTFT</td>
<td>same</td>
<td>VTAM monitor auto-table entries</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAMIE</td>
<td>same</td>
<td>Application Management Instrumentation for NetView on a host with an event automation service message adapter</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTB</td>
<td>same</td>
<td>Part list for usage of the AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTBU</td>
<td>same</td>
<td>User defined part list for AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIIILGCF</td>
<td>same</td>
<td>Syslog task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIPROFG</td>
<td>same</td>
<td>Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIPROFV</td>
<td>same</td>
<td>Automated operator profile for the visual BLDVIEWS server</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIREXCF</td>
<td>same</td>
<td>Rexec server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRHOST</td>
<td>same</td>
<td>RSH security file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRSHCF</td>
<td>same</td>
<td>RSH server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSISCHED</td>
<td>same</td>
<td>CHRON command calendar schedule file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIW3PRF</td>
<td>same</td>
<td>Properties definitions for 3270 web sessions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DUIFNRM1</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from ALL monitored NetViews.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIFNRM2</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from a single NetView.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIIGHB</td>
<td>same</td>
<td>Initialization values for the DUIIGHB task</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DUIPOLICY</td>
<td>same</td>
<td>Define NMCSTATUS policy definitions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FKKXSCM</td>
<td>same</td>
<td>Defines community names for IP resources to AON/TCP for proactive monitoring and commands</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FKKSNMP</td>
<td>same</td>
<td>This sample lists group definitions for the NVSNMP command</td>
<td>DSIPARM</td>
</tr>
</tbody>
</table>
### Table 23. List of New Samples (continued)

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>FLCAINP</td>
<td>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 <code>%INCLUDE</code> statement to include other MultiSystem Manager initialization files.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>FLCSDM9</td>
<td>MultiSystem Manager data model — part 9. This file enables the use of RODM methods for linking TN3270 resources to IP resources.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>FLCS3270</td>
<td>Sample for support of TN3270 Manager (server/client). Sample FLCS3270 enables management of TN3270 resources, both servers and clients.</td>
<td>CNMSAMP</td>
</tr>
</tbody>
</table>

For a complete list of changes, see "Appendix C. Changes from TME 10 NetView for OS/390 Version 1 Release 2 to Tivoli NetView for OS/390 Version 1 Release 3" on page 199.

### VTAM Address Space

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

**ATCCONxx**

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

**A01APPLS (CNMS0013)**

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

Define at least 60 NetView subtask APPL statements to A01APPLS if you plan on running all components concurrently.

- To enable the takeover or reconnect capability for NetView operators, include the PASS value in the AUTH= definition. For example:
  ```
  CNM01000 APPL AUTH=(NVSPACE,SPO,ACQ,PASS),PRTCT=CNM01,EAS=4 X
  MODETAB=AMODETAB,DLOGMOD=DSILGMOD
  * STATOPT='NETVIEW 000'
  ```
CNMNET (CNMSJ008)

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

Change CNMNET in your PROCLIB to include the following:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

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 V5R1 copy of AAUPRMLP, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in AAUPRMLP. Do not modify the Data REXX version of AAUPRMLP.

BNJMBDST

If you made changes to BNJMBDST (hardware monitor initialization member), migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data REXX version of BNJMBDST.

CNME1034

If you made changes to CNME1034 to extend the processing performed during NetView initialization, you need to incorporate equivalent changes to member CNMSTYLE in DSIPARM. 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>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correlated command definition file</td>
<td>CDEF MEMBER=DSICCDEF</td>
<td>CDEF = DSICCDEF</td>
</tr>
<tr>
<td>Load automation table</td>
<td>AUTOTBL MEMBER=DSITBL01</td>
<td>AUTOCMD.DSITBL01.order = A</td>
</tr>
<tr>
<td>Setting initial defaults</td>
<td>DEFAULTS NETLOG=NO,SYSLOG=YES</td>
<td>DEFAULTS.NetLog = No, DEFAULTS.SysLog = Yes</td>
</tr>
<tr>
<td>Translation member</td>
<td>TRANSMSG MEMBER=CNMTRMSG</td>
<td>transMember = CNMTRMSG</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>ASSIGN GROUP=+STATGRP, OP=(NETOP1,NETOP2)</td>
<td>ASSIGN.STATGRPGROUP = NETOP1,NETOP2,AUTO1 ASSIGN.OPERGRP.GROUP = OPER1,OPER2,OPER3,OPER4,OPER5,OPER6</td>
</tr>
</tbody>
</table>
Table 24. CNME1034 Statements Moved to CNMSTYLE (continued)

<table>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
</table>
| HLLENV    | HLLENV CHANGE,REGENVS=2, CRITENVS=0,TYPE=IBMADPLI | HLLENV.IBMADPLI.REGENVS=2
|           |                     | HLLENV.IBMADPLI.CRITENVS=0
|           |                     | HLLENV.IBMADPLI.DEFAULT=NOTPREINIT
|           |                     | HLLENV.IBMADPLI.PSTACK=4096
|           |                     | HLLENV.IBMADPLI.PHEAP=4096
|           |                     | HLLENV.IBMADCI.REGENVS=2
|           |                     | HLLENV.IBMADCI.CRITENVS=0
|           |                     | HLLENV.IBMADCI.DEFAULT=NOTPREINIT
|           |                     | HLLENV.IBMADCI.PSTACK=4096
|           |                     | HLLENV.IBMADCI.PHEAP=4096 |
| Start VTAM CMIP Services  | F NET,VTAMOPTS,OSIMGMT=YES TOWER = Graphics | TOWER = Graphics TOWER.Graphics = SNATM |
| DBINIT    | #DBINIT NLDM NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00:00 1 | auxInitCmd.DB1=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 | auxInitCmd.DB2=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 | auxInitCmd.DB3=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.DB4=DBINIT SAVE NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00:00 1 |
| Global variables | &GLOBAL SMFVPD &GLOBAL DUIFHANM &GLOBAL DUIFHPRC &GLOBAL EKGHNAM &GLOBAL EKGHPRC | COMMON.SMFPD = 37
|           |                     | COMMON.DUIFHANM = GMFHS
|           |                     | COMMON.DUIFHPRC = CNMGMFHS
|           |                     | COMMON.EKGHNAM = RODM
|           |                     | COMMON.EKGXRODM = EKGXRODM |
| Serialization through the PPT | &GLOBAL CGAUTHID1 &GLOBAL CGAUTHID2 &GLOBAL CGAUTHID3 &GLOBAL CGAUTHID4 | No longer necessary |

To define a command or a command list to run automatically when the NetView program is started, use the auxInitCmd keyword in CNMSTYLE. You can specify any number of commands or command lists to be run.

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.V5R1M0.SDSIOPEN data set.

CNMPROC (CNMSJ009)

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

Change CNMPROC in your PROCLIB to include the following:
1. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

2. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.

3. You might need to increase the region size depending on the components you are running. For more information, refer to the Tivoli NetView for z/OS Tuning Guide.

4. Add a comma following the SUBSYM parameter to enable the two-character identifier:

   \[ // \text{SUBSYM}=',** \text{NETVIEW SYMBOLIC SUBSTITUTION SWITCH} \]

5. Add the following NV2I statement and comments after the SUBSYM statement to allow the specification of a two-character identifier:

   \[ // \text{NV2I=''} \]

   \[ // ** UNIQUE AID A two character value \]

   \[ // ** used to build a symbolic in NetView \]

   \[ // ** It is used to create unique names \]

   \[ // ** for the particular NetView. \]

   \[ // ** if you specify a value, you MUST \]

   \[ // ** rename/copy CNMSTYLE to CxxSTYLE \]

   \[ // ** to match. \]

   The start procedure contains the specification of a two-character identifier NV2I. This value becomes a local system symbolic &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 CxxSTYLE to match the identifier you used. Then, modify CxxSTYLE for your system. For example, if you set &NV2I to N1, NetView initialization uses member CN1STYLE in DSIPARM instead of CNMSTYLE.

6. Add the &NV2I symbolic to the NetView execution statement, as shown:

   \[ //\text{NETVIEW EXEC PGM=}&\text{PROG},\text{TIME=1440,} \]

   \[ // \text{REGION=}&\text{REG.K,} \]

   \[ // \text{PARM=(}&\text{&BFSZ.K,}&\text{&SLSZ,}'&\text{&DOMAIN}', '&\text{&DOMAINPW}', '&\text{&ARM}', '&\text{&SUBSYM}', '&\text{&NV2I}') \]

   \[ // \text{DPRTY=}13,13) \]

7. Remove the following statements from the STEPLIB concatenation:

   \[ //** UNCOMMENT THE FOLLOWING LINE IF YOU WILL BE USING AON AUTOMATION \]

   \[ //** DD DSN=&SQ1..SEZLLINK,DISP=SHR \]

   \[ //** UNCOMMENT THE FOLLOWING LINE IF YOU WILL BE USING C370 LIBRARIES \]

   \[ //** DD DSN=C370.V2R1M0.SEDCLINK,DISP=SHR \]

   \[ //** UNCOMMENT THE FOLLOWING 2 LINES IF YOU WILL BE USING PL/I LIBRARIES \]

   \[ //** DD DSN=PLI.V2R3M0.SIBMLINK,DISP=SHR \]

   \[ //** DD DSN=PLI.V2R3M0.PLILINK,DISP=SHR \]

8. Remove the following statements from the STEPLIB concatenation:

   \[ //** UNCOMMENT THE FOLLOWING LINE IF YOU WILL BE USING AON AUTOMATION \]

   \[ //** DD DSN=&SQ1..SEZLLINK,DISP=SHR \]

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

10. Remove the following statements from the DSICLD concatenation:
Migrating from NetView V1R2

11. Remove the following statements from the CNMPNL1 concatenation:
   // DD DSN=&SQ1..SEKGPNL1,DISP=SHR
   //* UNCOMMENT THE FOLLOWING LINE IF YOU WILL BE USING AON AUTOMATION
   //* DD DSN=&SQ1..SEZLPNLU,DISP=SHR
   : /* SYSTEM WITH ROOM */
  isRequired1
   DD DSN=&SQ1..SEKGPNL2,DISP=SHR

12. Update the CNMPNL1 concatenation as follows:
   //CNMPNL1 DD DSN=&Q1..&DOMAIN..CNMPNL1,DISP=SHR
   //* JAPANESE ONLINE HELP DATASET (PANELS)
   //* DD DSN=&SQ1..CNMPNL1,DISP=SHR

13. Update the EZLSTAT DD statement to specify AON51 in the data set name:
   //EZLSTAT DD DSN=AON51.SA01.STATS,
   //* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'

14. Update the EZLPSWD DD statement to specify AON51 in the data set name:
   //EZLPSWD DD DSN=AON51.SA01.PASSWORD,
   //* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'

15. Update the AON log DD statements to specify AON51 in the data set names:
   //EZLLOGP DD DSN=AON51.SA01.LOGP,
   //* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
   //EZLOGS DD DSN=AON51.SA01.LOGS,
   //* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'

16. The SYSMDUMP/SYSUDUMP sample statements have been removed from
    the NetView start procedure CNMPROC. It is no longer recommended to use
    these statements. Capturing dump information is now handled through
    internal recovery routines.

17. If you are using TCP/IP, ensure that the SYSTCPD DD statement is
    uncommented and specifies the correct TCP/IP data set:
    //SYSTCPD DD DSN=TCPIP.DATA,DISP=SHR

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.V5R1M0.

2. If necessary, change the DSIG default value to null:
   // DSIG='', ** Subsystem command designator
   //* ** 1-8 characters. This is registered
   //* ** to one system or all systems in the
   //* ** sysplex depending on the PFXREG
   //* ** parameter described below.
   //* ** If no value is specified, the 4
   //* ** character subsystem name is used.
   //* **

   The default value is the 4-character subsystem name.
3. Add a comma following the ARM parameter to enable the prefix registration option:

```csh
// ARM='*NOARM', ** AUTOMATIC RESTART (ARM) USAGE
```

4. Add the following statements after the ARM statement to enable the prefix registration option on a single system:

```csh
// PFXREG='ONE' ** Prefix Registration option.
// ** ONE = prefix is registered on one system.
// ** ALL = prefix is registered on all systems in the sysplex.
// ** NO - registration avoided and may cause duplicates
```

Add the &PFXREG symbolic parameter to enable prefix registration to the NetView execution statement, as follows:

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

5. Add the following statements after the ARM statement to set the number of PPI 256 byte and 4000 byte buffers. Note that these statements are optional, and if they are not specified, the default values of 300 and 0 are used, respectively. If you add these statements, add a comma after the PFXREG='ONE' statement.

```csh
// P256BUF=300, ** Number of 256 byte PPI buffers to use
// P4000BUF=0 ** Number of 4000 byte PPI buffers to use
```

If you add the &P256BUF and &P4000BUF symbolic parameters to allow setting the number of buffers for the PPI 256 byte and 4000 byte sizes, the default values of 300 and 0 are used, respectively.

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

### Table 25. CNMSTYLE Statement Relationship to Older DSIPARM Statements

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACBpassword¹</td>
<td>NCCFID DMNPSW</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>ASSIGN</td>
<td>CNME1034</td>
</tr>
<tr>
<td>AUTOCMD</td>
<td>• NCCFIC autotbl_name</td>
<td>• DSIDMNK</td>
</tr>
<tr>
<td></td>
<td>• AUTOTBL</td>
<td>• CNME1034</td>
</tr>
<tr>
<td>AUTOTASK</td>
<td>AUTOTASK</td>
<td>CNME1034</td>
</tr>
<tr>
<td>auxInitCmd.order</td>
<td>NCCFIC IC</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>COMMON</td>
<td>&amp;CGLOBAL</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DEFUALTS</td>
<td>DEFAULTS</td>
<td>CNME1034</td>
</tr>
</tbody>
</table>
## CNMSTYLE Statement Relationship to Older DSIPARM Statements

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFAULTS.MAXABEND</td>
<td>MAXABEND</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DEFAULTS.MAXLOGON</td>
<td>MAXLOGON</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DOMAIN</td>
<td>NCCFID DOMAINID</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>FLC_DEF_NETW_VIEW</td>
<td>DEF_NETW_VIEW</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_EXCEPTION_VIEW_FILE</td>
<td>EXCEPTION_VIEW_FILE</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMINT</td>
<td>RODMINT</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMNAME</td>
<td>RODMNAME</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMRETRY</td>
<td>RODMRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RUNCMDRETRY</td>
<td>RUNCMDRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>LOADEXIT</td>
<td>LOADEXIT</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>LUC</td>
<td>parameters</td>
<td>DSILUCTD</td>
</tr>
<tr>
<td>MCON</td>
<td>parameters</td>
<td>DSITCPCF</td>
</tr>
<tr>
<td>MSMdefault</td>
<td>DEF_AUTOTASK</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>MVSPARM</td>
<td>MVSPARM</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>NLDM</td>
<td>parameters</td>
<td>• AAUPRMLP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIAMLTD</td>
</tr>
<tr>
<td>NPDA</td>
<td>parameters</td>
<td>BNJMBDST</td>
</tr>
<tr>
<td>NPDA_ALERTFWD</td>
<td>ALERTFWD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>RRD</td>
<td>RRD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>RTT</td>
<td>parameters</td>
<td>DSirtttt</td>
</tr>
<tr>
<td>SECOPTS</td>
<td>OPTIONS</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>SuppChar</td>
<td>NCCFID SUPPCHAR</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>TAMEL</td>
<td>parameters</td>
<td>DuiFPMem</td>
</tr>
<tr>
<td>TASK</td>
<td>TASK</td>
<td>DSIDMN</td>
</tr>
<tr>
<td>transTbl</td>
<td>TRANSTBL</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>VTAMCP_USE</td>
<td>VTAMCP</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>WEB</td>
<td>parameters</td>
<td>DSIBMEM</td>
</tr>
</tbody>
</table>

**Note:** 1. This statement is contained in CNMSTYLE include member CNMSTPWD.

CNMSTYLE contains descriptive comments about the types of statements that can be included in the member. Read the comments and review the defaults. The following defaults changed:

### Table 26. CNMSTYLE statements

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCF Trace</td>
<td>Off</td>
<td>On, MODE=INT</td>
</tr>
<tr>
<td>LOGONPW</td>
<td>CMDMDL commented out</td>
<td>CMDMDL enabled</td>
</tr>
</tbody>
</table>
### Table 26. CNMSTYLE statements (continued)

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSIGN</td>
<td>STATGRP specifies:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• NETOP1</td>
<td>STATGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• NETOP2</td>
<td>• NETOP1</td>
</tr>
<tr>
<td></td>
<td>• AUTO1</td>
<td>• NETOP2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• AUTO1</td>
</tr>
<tr>
<td></td>
<td>OPERGRP specifies:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• OPER1</td>
<td>OPERGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• OPER2</td>
<td>• OPER1</td>
</tr>
<tr>
<td></td>
<td>• OPER3</td>
<td>• OPER2</td>
</tr>
<tr>
<td></td>
<td>• OPER4</td>
<td>• OPER3</td>
</tr>
<tr>
<td></td>
<td>• OPER5</td>
<td>• OPER4</td>
</tr>
<tr>
<td></td>
<td>• OPER6</td>
<td>• OPER5</td>
</tr>
<tr>
<td>MEMSTOR</td>
<td>Commented out in CNME1034</td>
<td>Enabled</td>
</tr>
<tr>
<td></td>
<td>No predefined include or exclude lists</td>
<td>Predefined include list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CNMPNL1.CNMKWIND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CNMPNL1.CNMBROWS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIOPEN.CNMKWIND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIOPEN.CNMBROWS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSICLD.CNME1505</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSICLD.CNME1096</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predefined exclude list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIPARM.DSIOFF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIPARM.DSIOFFU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSILIST.*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• *.USERMEM</td>
</tr>
<tr>
<td>IDLEOFF</td>
<td>Commented out in CNME1034</td>
<td>Runs on AUTO1 in CNMSTYLE.</td>
</tr>
<tr>
<td>HLENV</td>
<td>Commented out in CNME1034</td>
<td>Initializes two environments each for PL/I and C in CNMSTYLE.</td>
</tr>
<tr>
<td>DEFAULTS command keywords</td>
<td>MAXABEND=1</td>
<td>MAXABEND=4</td>
</tr>
<tr>
<td></td>
<td>AUTOLOGN=NO</td>
<td>AUTOLOGN=YES</td>
</tr>
<tr>
<td></td>
<td>EVERYCON=NO</td>
<td>EVERYCON=YES</td>
</tr>
<tr>
<td></td>
<td>AUTOSEC=CHECK</td>
<td>AUTOSEC=BYPASS</td>
</tr>
<tr>
<td>Tasks started automatically:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• &amp;DOMAIN.LUC</td>
<td>CNMME1034 included a STARTCNM ALL command that started these tasks.</td>
<td></td>
</tr>
<tr>
<td>• &amp;DOMAIN.VMT</td>
<td>CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.</td>
<td></td>
</tr>
<tr>
<td>• AAUTCNMI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AAUTSKLP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSERV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDE36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJMNPDA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAMLUT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAOPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIICRTR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIDGS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIFKREM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIQTSK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIROVS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSITRACE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 | Tivoli NetView for z/OS Administration Reference |

**DSIAMIAIAT**

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

```latex
%INCLUDE CNMSVFTFT VTAM ACB MONITOR FOCAL POINT
%INCLUDE CNMSVTET VTAM ACB MONITOR ENTRY POINT
```

Add the following to include the sending of threshold events using the Event/Automation service:

```latex
%INCLUDE DSIAMIE
```

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

- DSIAMIN
- DSIAMIR
- DSIAMIT

**DSIAMII**

There have been extensive changes to this member, use the V5R1 copy.

**DSIAMMLTD**

DSIAMMLTD is a member of DSIPARM that contains initialization statements for the session monitor. It includes logic to extract initialization values from CNMSTYLE. Use the V5R1 copy of DSIAMLTD, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in DSIAMLTD. 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 V5R1.

**DSICMD**

Due to extensive changes in DSICMD, it is recommended that you use the V5R1 version of DSICMD.

The %INCLUDE structure has changed, as follows:

- DSICMDB has been replaced by DSICMSYS and DSICMENT.
- DSICMDM and DSICMDT have been replaced by DSICMENT.
Notes:

1. The %INCLUDE statements for the AON DSICMD include members EZLCMD, FKVCMD, and FKXCMD that were in DSICMDM are now in DSICMENT. Commands that were in include member FKWCMD were deleted and FKWCMD is no longer used.

2. The AON commands that were in %INCLUDE member EZLCMDI and were included by DSICMDM are now in DSICMSYS and DSICMENT. EZLCMDI is no longer used.

3. The MultiSystem Manager commands that were in %INCLUDE member FLCSCMD and were included by DSICMDM are now in DSICMENT. FLCSCMD is no longer used.

When migrating to the V5R1 copy of DSICMD:

1. Place user-defined commands in DSICMDU.
2. Migrate any command or keyword synonyms.

For command authorization, use the NetView command authorization table or the NETCMDS class in the SAF product. Scope of commands is no longer supported. You can use the SECMIGR command to migrate your command authorization from scope of commands to the NetView command authorization table. For suggested command authority settings, refer to samples CNMSAF2 or CNMSCAT2. For more information, refer to Tivoli NetView for z/OS Security Reference.

You can remove any scope of command authorization statements (CMDCLASS, KEYCLASS, and VALCLASS statements). If present, these statements are ignored.

Note: If you separated your customized CMDMDL statements into a separate data set member and added a %INCLUDE for the NetView-supplied DSICMD member, remove the %INCLUDE for DSICMD. Rename your customized member to DSICMDU and allow the NetView program to run with the DSICMD version shipped in NETVIEW.V5R1M0.DSIPARM. If you use this option, ensure that you do not have duplicate CMDMDL statements in any member that is included in DSICMD.

You can add Data REXX logic to conditionally %INCLUDE command definitions. 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.

There is an alternate approach if you do not take advantage of the Data REXX version of DSICMD. DSICMD1C, DSICMD1D, and DSICMD51 are nonexecutable samples containing the CMDMDL statements new for this release. Review these samples. You can either copy these samples into your DSICMD or add the following statements to the beginning of your DSICMD:

%INCLUDE DSICMD1C
%INCLUDE DSICMD1D
%INCLUDE DSICMD51

These %INCLUDE statements cause DSICMD1C, DSICMD1D, and DSICMD51 to be read into DSICMD at run time. This is not the recommended approach, but allows you to get the NetView program running. You can then separate your CMDMDL statements at a later time. If you decide on this approach, make the following additional changes to your existing DSICMD:

1. Add the following CMDSYN statement under the CNME1505 command model statement:
Migrating from NetView V1R2

The CNME1505 command model statement is in DSICMDB.

2. Add the following CMDSYN statement for AONCMD under the EXCMD command model statement:

   EXCMD  CMDMDL  MOD=DSIEXCMD,TYPE=R,RES=Y
   CMDSYN  AONCMD

3. Add the following IGNRLSUP keyword to the CLOSE command model statement:

   CLOSE  CMDMDL  MOD=DSICLP,TYPE=B,IGNRLSUP=*

4. Add the following CMDMDL statement to your DSICMD. This command was previously contained in the MultiSystem Manager command member FLCSCMD. This command is now available as part of RODM and is currently being used by MultiSystem Manager and some Automated Operations Network (AON) functions. Add appropriate command authorizations.

   FLCARODM  CMDMDL  MOD=FLCARODM,TYPE=R,RES=Y
   CMDSYN  MSMACC

5. Delete the following CMDMDL statements:

   ACCTSNA  CMDMDL  MOD=FLBGMCMD,TYPE=R,RES=Y^a
   AONCMD   CMDMDL  MOD=DSIEXCMD,TYPE=R,RES=Y,SEC=BY^b
   CNME7023  CMDMDL  MOD=DSICCPE
   CMDSYN  DIALCORM
   CNMS1100  CMDMDL  MOD=DSICCPE
   CMDSYN  IDLEOFF
   CNMS8028  CMDMDL  MOD=DSICCPE
   CMDSYN  MEMSTORE
   CNME7007  CMDMDL  MOD=DSICC
   CMDSYN  AUTOBI46
   DUIFBF   CMDMDL  MOD=DUIFBF,TYPE=R,RES=Y
   DUIFBR   CMDMDL  MOD=DUIFBR,TYPE=R,RES=Y
   DUIFBTIM CMDMDL  MOD=DUIFBTIM,TYPE=R,RES=Y
   DUIFBTRM CMDMDL  MOD=DUIFBTRM,TYPE=R,RES=Y
   FKWELROP CMDMDL  MOD=DSICC,ECHO=Y,TYPE=R,SEC=BY^b
   FLCARREQ CMDMDL  MOD=DSICCPE
   CMDSYN  REMVREQ
   IPMINIT CMDMDL  MOD=DUIFBI,TYPE=R,RES=Y

Notes:

a. The ACCTSNA command model statement is in DSICMDT or DSICMD31.
b. This command model statement is in EZLCMDI.
c. The CNME7023 command model statement is in DSICMDB.
d. These command model statements were previously contained in the DSICMDB member as sample commands. MEMSTORE and IDLEOFF are now supported commands that are uncommented and contained in the DSICMD1C member.
e. The FLCARREQ command model statement is in FLCSCMD.

6. The AON CMDMDL statements are included in NetView by the following DSICMD include members:

   - EZLCMD (Base AON statements)
   - FKVCMD (AON/SNA automation)
   - FKXCMD (AON/TCP)

Due to the extensive changes, use the V5R1 versions of these DSICMD include members. Some changes to consider include:
• The SEC=BY keyword was removed from many, but not all, of the AON CMDMDL statements. Review your AON command security definitions to determine if removing this keyword is appropriate for your environment. Refer to "Appendix F. AON CMDMDL Statements Without SEC=BY" on page 255 for a complete list of AON commands affected by this change.
• All of the CMDMDL statements within sample FKWCMD have been removed. Sample FKWCMD has been deleted. Remove the %INCLUDE statement for FKWCMD.

**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. It is recommended that you use the DSICTMOD module shipped with V5R1. If you updated CNMS0055 for your current release, merge those changes into the V5R1 version of CNMS0055 and run it to assemble and link-edit your changes into the DSICTMOD module.

**DSIDMN**

The parameters set in DSIDMN 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.
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 [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.

Suffixes appended to the domain name to generate the VTAM application name for the terminals are now in hexadecimal format. You can define additional APPL statements using this new naming scheme.

**Note:** 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 would make the application names unavailable for the purpose for which they were defined.

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

**DSIDMNU**

User TASK statements are no longer contained in DSIDMNU. They have been replaced by entries in CNMSTYLE include member CNMSTGEN. You can migrate the TASK statements that are currently coded in DSIDMNU to TASK statements in the format expected by CNMSTYLE. For example, a TASK statement such as:
Migrating from NetView V1R2

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 *Tivoli NetView for z/OS User's Guide*. For more information on the PIPE KEEP command, refer to *Tivoli NetView for z/OS Customization: Using Pipes*.

DSIDMNU is still supported. However, any task groups found in CNMSTYLE will 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 V5R1 copy of DSILUCTD, and update the LUC statements in CNMSTYLE to reflect the values previously specified in DSILUCTD.

**DSIOPF**

Due to extensive changes to DSIOPF, it is recommended that you use the V5R1 version of DSIOPF. Data REXX logic has been added to conditionally define operator definitions based on the level of the NetView program installed, the towers that are enabled by CNMSTYLE, 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 V5R1 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.

The following information is provided to highlight modifications to DSIOPF since NetView V1R2. The following lists of new, changed, and deleted operator definitions should be considered as you migrate your operator definitions, especially with regard to security.

The following operator definitions have been removed:

<table>
<thead>
<tr>
<th>AUTOATMA</th>
<th>OPERATOR</th>
<th>PASSWORD=AUTOATMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROFilen</td>
<td>FLCSRFB</td>
<td></td>
</tr>
<tr>
<td>AUTOATM1</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTOATM1</td>
</tr>
<tr>
<td>PROFilen</td>
<td>FLCSRFB</td>
<td></td>
</tr>
<tr>
<td>AUTOEWA</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTOEWA</td>
</tr>
<tr>
<td>PROFilen</td>
<td>FLCSRFB</td>
<td></td>
</tr>
<tr>
<td>AUTOEW1</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTOEW1</td>
</tr>
<tr>
<td>PROFilen</td>
<td>FLCSRFB</td>
<td></td>
</tr>
<tr>
<td>AUTOLMUA</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTOLMUA</td>
</tr>
<tr>
<td>PROFilen</td>
<td>FLCSRFB</td>
<td></td>
</tr>
<tr>
<td>AUTOLMU1</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTOLMU1</td>
</tr>
<tr>
<td>PROFilen</td>
<td>FLCSRFB</td>
<td></td>
</tr>
<tr>
<td>AUTONWA</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTONWA</td>
</tr>
</tbody>
</table>
Remove the FKWOPF %INCLUDE member.

The following operator definitions have been added:

<table>
<thead>
<tr>
<th>Operator Definition</th>
<th>DSIOPF Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTAM ACB monitor autotasks</td>
<td>AUTOVTAC OPERATOR PASSWORD=AUTOVTAC PROFIEN DSIPROFB</td>
</tr>
<tr>
<td>NetView policy services autotask</td>
<td>AUTOAON OPERATOR PROFIEN PASSWORD=AUTOAON DSIPROFC</td>
</tr>
<tr>
<td>MVS command management autotask</td>
<td>DSIMCAOP OPERATOR PROFIEN PASSWORD=CMDAUTO DSIPROFD</td>
</tr>
<tr>
<td>NetView Resource Manager autotask</td>
<td>AUTONRM OPERATOR PROFIEN PASSWORD=AUTONRM DSIPROFC</td>
</tr>
<tr>
<td>GMFHS autotask to process NMCSTATUS policy definitions</td>
<td>DUIFPOLI OPERATOR PROFIEN PASSWORD=DUIFPOLI DSIPROFI</td>
</tr>
<tr>
<td>Autotask to serve Visual BLDVIEWS clients over a TCP/IP connection</td>
<td>AUTOVBV OPERATOR PROFIEN PASSWORD=AUTOVBV DSIPROFV</td>
</tr>
<tr>
<td>MultiSystem Manager autotask definitions added to DSIOPF include member FLCSOPF</td>
<td>AUTODIS1 OPERATOR PROFIEN PASSWORD=AUTODIS1 FLCSPRFB AUTODIS2 OPERATOR PROFIEN PASSWORD=AUTODIS2 FLCSPRFB</td>
</tr>
</tbody>
</table>
### Migrating from NetView V1R2

<table>
<thead>
<tr>
<th>Operator Definition</th>
<th>DSIOPF Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trap automation autotask added to DSIOPF include member FKXOPF. For more information on trap automation refer to the Tivoli NetView for z/OS Administration Reference.</td>
<td>AUTTRAP OPERATOR PROFILEN PASSWORD=AUTTRAP EZLPRFAO</td>
</tr>
<tr>
<td>NetView Web Server autotask</td>
<td>DSIWEB OPERATOR PROFILEN PASSWORD=WEBSERV DSIPROFD</td>
</tr>
<tr>
<td>Security check autotask definitions for DSTs and OPTs that accept connections from TCPIP</td>
<td>DSIPCHK OPERATOR PROFILEN PASSWORD=DSIIPCHK DSIPROFC</td>
</tr>
<tr>
<td>AON autotask definition added to DSIOPF include member FKXOPF for DVIPA support</td>
<td>AUTDVIPA OPERATOR PROFILEN PASSWORD=AUTDVIPA EZLPRFAO</td>
</tr>
</tbody>
</table>

#### EZLOPF
In DSIOPF %INCLUDE member EZLOPF, the following has 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 AUTMSGn to AONMSGn.

#### FKVOPF
In DSIOPF %INCLUDE member FKVOPF, the prefixes for the SNA automation autotask definitions and their corresponding passwords have changed from AUTNETn to AONNETn.

#### FKKXOPF
The following operator definitions have been removed from DSIOPF include member FKXOPF:

<table>
<thead>
<tr>
<th>Name</th>
<th>Old Definition</th>
<th>New Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTTCPTS</td>
<td>OPERATOR PROFILEN PASSWORD=AUTTCPTS EZLPRFAO</td>
<td></td>
</tr>
</tbody>
</table>

#### 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 V5R1 copy of DSIRTTTD, and update the RTT statements in CNMSTYLE 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. DSIRXPRM can be updated using sample job CNMSJMJ11. It is recommended that you use the V5R1 version of DSIRXPRM. If you updated CNMSJMJ11 for your current release, merge those changes into the V5R1 version of CNMSJMJ11 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. 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 V5R1 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 to include an AUTOCMD statement for your automation table.

**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 V5R1 copy of DSITCPCF, and update the MCON statements in CNMSTYLE 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. This statement defines the encryption keys for HTTP server sessions.

**DSIUINIT**

If you made changes to DSIUINIT (initialization member for task DSIUDST), migrate the changes to DSIPARM member CNMSTYLE. 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 V5R1 copy of DSIWBMEM, and update the WEB statements in CNMSTYLE 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. DSIZVLSR can be updated by using sample job CNMSJM01. It is recommended that you use the DSIZVLSR module shipped with V5R1. If you updated CNMSJM01 for your current release, merge those changes into the V5R1 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 V5R1 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE 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

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.

RODM:
  RODMNAME="&CNMRODM."

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

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
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 V5R1, FLCSAINP was the sample initialization file for the MultiSystem Manager. FLCSAINP could be modified and renamed to either FLCAINP or another unique name. In V5R1, 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 V5R1, 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.
2. Delete the definitions (non-GETTOPO statements) that you migrated to CNMSTYLE.
3. Delete any GETTOPO NWCPxxx statements.
4. Delete any GETTOPO LMUxxx statements.
5. Delete any GETTOPP ATMxxx statements.

Refer to [Tivoli NetView for z/OS MultiSystem Manager User’s Guide](#) for additional information about FLCSAINP.

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.V5R1M0.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 [Tivoli NetView for z/OS Customization Guide](#)

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.V5R1M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
3. The region size has been increased to 64 Mb. Update the following in the PROC statement:
   ```
   // REG=64M,
   ```
4. Update the STEP1 EXEC statement to include the TIME parameter:
   ```
   /STEP1 EXEC PGM=&PROG,REGION=&REG,TIME=1440,
   // PARM='&AGGRST,RESWS=&RESWS,DOMAIN=&DOMAIN,ARM=&ARM,SYMSYM=&SYMSYM'
   ```
5. 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
   ```
6. Add the following GMFHS output DD statement:
   ```
   //CNMN DD SYSOUT=A
   ```
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. The DUIDB database no longer exists. Remove the following qualifier from the PROC statement:
   ```
   // VQ1=NETVIEW, ** HIGH LVL DSN QUALIFIER-VSAM DSNS
   ```
   Also remove the following statement:
   ```
   //CNMDB DD DSN=&VQ1..&DOMAIN..DUIDB,DISP=SHR
   ```
9. The only HLL environment for starting GMFHS is Language Environment for OS/390. Remove DD statements for the PL/I run-time libraries because they are no longer used.
10. Remove the following DD statement:
    ```
    // DOD DSN=&SQ1..SCNMCRUN,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 Graphic Monitor Facility host subsystem (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.

1. To enable GMFHS to send Japanese text to an NMC console for display, add the following parameter:
2. The TASK statement allows you 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. Change the values for the following parameters:
   *PRINTPDU38=INTERNAL
   *TRACEBYTES=0
4. The value for the RODMNAME parameter has been modified to use the
   &CNMRODM system symbolic:
   RODMNAME=&CNMRODM.
5. Delete the following parameter and the associated comments:
   *LOGPDU01=NONALERT
6. Add the following statement:
   *LCON-MAX-QUEUE-RCMGR=10000

RODM Address Space

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

**EKGLOADP**

EKGLOADP is the sample RODM load procedure JCL.
1. For NetView data sets, ensure your high-level qualifier for system data sets
   points to NETVIEW.V5R1M0.
2. 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
3. Add the following DD statement to the STEPLIB data set concatenation:
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
4. 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
5. 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
6. If you have not installed the Language Environment for OS/390 run-time
   library in LNKLSTxx, be sure the library name in the STEPLIB of EKGLOADP
   is correct and uncommented. Remove DD statements for PL/I or C/C++
   run-time libraries because these libraries are no longer being used.
7. Remove the PLIDUMP DD statement from EKGLOADP.

**EKGXRODM**

EKGXRODM is the start procedure for RODM.
Migrating from NetView V1R2

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.

2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

3. If you are using the RODM component and are migrating from a previous release, remove the following statements from the STEPLIB data set concatenation:
   
   ```
   //STEPLIB DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   // DD DSN=&SQ1..SEKGMOD2,DISP=SHR
   ```

4. Add the following DD statement to the STEPLIB data set concatenation:
   
   ```
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

5. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   
   ```
   //EKGCUST DD DSN=&SQ1..SEKGSMP1,DISP=SHR
   ```

   to
   
   ```
   //EKGCUST DD DSN=&SQ1..CNMSAMP,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:
   
   ```
   //EKGIN1 DD DSN=&SQ1..SEKGSMP1(EKGIN1),DISP=SHR
   ```

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

8. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   
   ```
   //EKGIN2 DD DSN=&SQ1..SEKGAS1,DISP=SHR
   ```

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

9. If you have not installed the Language Environment for OS/390 run-time library in LNKLSTxx or PROGxx, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ run-time libraries because these libraries are no longer being used.

---

Event/Automation Service Address Space

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

**IHSAEVTN**

IHSAEVTN starts the event automation service address space. Make the following changes to IHSAEVTN in your PROCLIB:

1. For NetView data sets, ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.

2. Change the PROC statement to add the following two lines after the statement defining ERCVCFG:
3. Change the EXEC statement as follows:

   //STEP1 EXEC PGM=&PROG,TIME=1440,REGION=&REG,
   //       PARM=('/MSGCFG=&MSGCFG ALRTCFG=&ALRTCFG ERCVCFG=&ERCVCFG *
   //           TALRTCFG=&TALRTCFG ALRTTCFG=&ALRTTCFG PPI=&PPI *
   //           INITFILE=&INITFILE OUTSIZE=&OUTSIZE &OELINE')

4. Remove the DD statement for the C/C++ run-time library because this library
   is no longer used.

5. Add the following statements after the IHSE statement in the EAS OUTPUT
   DATA SETS section:

   //IHST DD SYSOUT=A
   //IHSL DD SYSOUT=A

6. Add the following statements after the IHSES statement in the EAS OUTPUT
   DATA SETS section:

   //IHSTS DD SYSOUT=A
   //IHSLS DD SYSOUT=A

7. Add the following statements after the IHSESTD statement in the EAS
   OUTPUT DATA SETS section:

   //IHSTSTD DD SYSOUT=A
   //IHSLSDD DD SYSOUT=A

---

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
- CNMSTGEN
- CNMSTTWR
- DSIAMLTD
- DSICMD
- DSICMDU (Data REXX support)
- DSIDMN
- DSIIILGCF
- DSIIILUCTD
- DSIOPF
- DSIREXCF
- DSIRSHCF
- DSIRTTTD
- DSITBL01
- DSITCPCF
- DSIUINIT
- DSIWBMEM
- DUIFPMEM
- DUIIGHB
- EZLCFG01
- EZLDSIAO
- FKVCFG01
- FKVISTAO
Migrating from NetView V1R2

- FKVTABLE
- FLBAUT
- HELP MAP (CNMS1048)

Use of Symbolics in Parameter Files

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

- &CNMTCPN for the TCP/IP application name
- &CNMRODM for the RODM name
- &CNMNETID for the network identifier

Based on the values defined in CNMSTYLE, the NetView program creates several user symbolics that are used in the following parameter files:

- DSIILGCF
- DSIQTSKI
- DSIREXCF
- DSIRSHCF
- DSIRTTTD
- DSITCPCF
- DSIVPARM
- DSIWBMEM
- DUIFPMEM
- DUIIGHB
- FLBSYSD
- FLCSAINP

&DOMAIN is an additional NetView user symbolic and is used in the following parameter files:

- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTYLE
- DSIAMIAT
- DSIAMII
- DSITBL01
- FLBSYSD
Chapter 6. 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. It is assumed that no maintenance has been applied (or no changes have been made since the release from which you are migrating). You can either upgrade your existing NetView definitions, or use the ones supplied with the V5R1 program and add any customization you may have performed for the definitions.

For maintenance, you might want to copy any DSIPARM members that you previously customized, and any DSIPARM members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPARM. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPARM data set.

You might want to copy any DSIPRF members that you previously customized, and any DSIPRF members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPRF. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPRF data set.

Note: Make all changes to definition statements in uppercase.

The NetView initialization flow has been simplified through the implementation of CNMSTYLE. Figure 11 shows the initialization flow for NetView V1R3, and Figure 12 on page 100 shows the simplified NetView V5R1 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

NetView V1R3 Initialization Flow

DSIDMN
  └── DSIDMNK
      └── Initial Command specified
          (Other parameters)
  └── DSIDMNB/DSIDMNU/DSIDMNT/DSIDMN
      └── DST and OPT Tasks

CNME1034 (REXX/PIPEs default initial command) runs under PPT
  └── Load AUTOTBL
      └── AUTOTASK AUTO1
          └── START TASK = DSILog
              └── AUTOTASK AUTO2
                  └── Start CNMCSSIR
                      └── STARTCNM ALL
                          └── (start other autotasks)

Figure 11. NetView V1R3 Initialization Flow
When you finish with this chapter, continue with "Chapter 8. Getting Ready to Start NetView" on page 143.

If you want information about... Refer to...

Changes including panels, commands, messages, and samples "Appendix D. Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4" on page 225

New Samples

Table 27 lists new system definitions to review during migration.

Table 27. List of New Samples

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CNMCAU00</td>
<td>same MVS command management exclusion/inclusion table</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSAF2</td>
<td>same Sets RACF definitions for NetView operators and commands</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSBAK1</td>
<td>same Backup command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSCAT2</td>
<td>same Sample command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSHTSP</td>
<td>same Displays a list of Web addresses which can be selected to access websites</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSPAN2</td>
<td>same Sample NetView span table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSURLS</td>
<td>same Contains a list of Web addresses read by CNMSHTSP</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSTASK</td>
<td>same NetView-provided task statements</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTGEN</td>
<td>same You can include additional or modified CNMSTYLE definition statements, including DATA REXX logic.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTNXT</td>
<td>same Includes NetView-supplied CNMSTYLE updates.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSTPWD</td>
<td>same Includes VSAM and ACB passwords.</td>
<td>DSIPARM</td>
</tr>
</tbody>
</table>
Table 27. List of New Samples (continued)

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSTTWR</td>
<td>same</td>
<td>Includes style statements from non-NetView towers.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSTYLE</td>
<td>same</td>
<td>Defines some of the NetView initialization parameters.</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSVTET</td>
<td>same</td>
<td>VTAM monitor auto-table: message suppression</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>CNMSVTFT</td>
<td>same</td>
<td>VTAM monitor auto-table entries</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTB</td>
<td>same</td>
<td>Part list for usage of the AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIAUTBU</td>
<td>same</td>
<td>User defined part list for AUTBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIIILGCF</td>
<td>same</td>
<td>Syslog task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIPROFG</td>
<td>same</td>
<td>Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIPROFV</td>
<td>same</td>
<td>Automated operator profile for the visual BLDVIEWS server</td>
<td>DSIPRF</td>
</tr>
<tr>
<td>DSIREXCF</td>
<td>same</td>
<td>Rexexec server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRHOST</td>
<td>same</td>
<td>RSH security file</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIRSHCF</td>
<td>same</td>
<td>RSH server task configuration</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DSIW3PRF</td>
<td>same</td>
<td>Properties definitions for 3270 web sessions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>DUIFNRM1</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from ALL monitored NetViews.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIFNRM2</td>
<td>same</td>
<td>This file contains a group of RODM Collection Manager collections. The contents of the collections are various NRM objects from a single NetView.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td>DUIPOLCY</td>
<td>same</td>
<td>Define NMCSTATUS policy definitions</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FXXSCM</td>
<td>same</td>
<td>Defines community names for IP resources to AON/TCP for proactive monitoring and commands</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FLCAINP</td>
<td>same</td>
<td>Sample initialization file.</td>
<td>CNMSAMP</td>
</tr>
</tbody>
</table>
Migrating from NetView V1R3

Table 27. List of New Samples (continued)

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLCSDM9</td>
<td>same</td>
<td>MultiSystem Manager data model — part 9.</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This file enables the use of RODM methods for linking TN3270 resources to IP resources.</td>
<td></td>
</tr>
<tr>
<td>FLC3270</td>
<td>same</td>
<td>Sample for support of TN3270 Manager (server/client).</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sample FLC3270 enables management of TN3270 resources, both servers and clients.</td>
<td></td>
</tr>
</tbody>
</table>

For a complete list of changes, see "Appendix D. Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4" on page 225.

VTAM Address Space

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

**ATCCONxx**

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

**CNMNET (CNMSJ008)**

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

Change CNMNET in your PROCLIB to include the following:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

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 V5R1 copy of AAUPRMLP, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in AAUPRMLP. Do not modify the Data REXX version of AAUPRMLP.

**BNJMBDST**

If you made changes to BNJMBDST (hardware monitor initialization member), migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data REXX version of BNJMBDST.
If you made changes to CNME1034 to extend the processing performed during NetView initialization, you need to incorporate equivalent changes to member CNMSTYLE in DSIPARM. 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 28. CNME1034 Statements Moved to CNMSTYLE**

<table>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correlated command</td>
<td>CCDEF MEMBER=DSICCDEF</td>
<td>CCDEF = DSICCDEF</td>
</tr>
<tr>
<td>definition file</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data set prefix</td>
<td>CNMOPDSPREFIX = 'NETVIEW.OPDS.'</td>
<td>OpsPrefix = NETVIEW.OPDS.</td>
</tr>
<tr>
<td>for private</td>
<td></td>
<td></td>
</tr>
<tr>
<td>operator datasets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load automation</td>
<td>AUTOTBL MEMBER=DSITBL01</td>
<td>AUTOCMD.DSITBL01.order = A</td>
</tr>
<tr>
<td>table</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Setting initial</td>
<td>logOpts = 'NETLOG=YES SYSLOG=NO'</td>
<td>DEFAULTS.NetLog = Yes</td>
</tr>
<tr>
<td>defaults</td>
<td></td>
<td>DEFAULTS.SysLog = No</td>
</tr>
<tr>
<td>Name of the</td>
<td>Pipe command</td>
<td>SSIname = &amp;NV2I.CSSIR</td>
</tr>
<tr>
<td>Subsystem Interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Translation member</td>
<td>TRANSMSG MEMBER=CNMTRMSG</td>
<td>transMember = CNMTRMSG</td>
</tr>
<tr>
<td>Memstore values</td>
<td>OVERRIDE MAXIO=0, TASK=memtask</td>
<td>function.autotask.memStore = auto2</td>
</tr>
<tr>
<td></td>
<td>EVERY 00:02:00 ROUTE=memtask</td>
<td>memStore.stgLimit = 5%</td>
</tr>
<tr>
<td></td>
<td>EVERYCON=YES MEMSTORE 5% 5</td>
<td>memStore.minHits = 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>memStore.frequency = 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>memStore.never =</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSIPARM.DSIOPF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSIPARM.DSIOPFU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSILIST.* = .USERMEM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>function.autotask.idleoff = AUTO1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>idleParms.idlemin = 60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>idleParms.frequency = 10</td>
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<tr>
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<td></td>
<td>idleParms.exceptOp = OPER1, NETOP1</td>
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<td></td>
<td>idleParms.exceptAuto = ALL</td>
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<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>idleParms.exceptOp = OPER1, NETOP1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>idleParms.exceptAuto = ALL</td>
</tr>
</tbody>
</table>
Table 28. CNME1034 Statements Moved to CNMSTYLE (continued)

<table>
<thead>
<tr>
<th>Function</th>
<th>CNME1034 Statements</th>
<th>CNMSTYLE Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start VTAM CMIP Services</td>
<td>F NET,VTAMOPTS,OSIMGMT=YES TOWER = Graphics</td>
<td>TOWER = Graphics</td>
</tr>
<tr>
<td>DBINIT</td>
<td>*DBINIT NLDM NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00 :00 1</td>
<td>auxInitCmd.DB1=DBINIT NLDM NONE CYL 50 50 Y PURGE 2 Y PURGE 2 2:00:00 1</td>
</tr>
<tr>
<td></td>
<td>*DBINIT NPDA NONE CYL 50 50 Y PURGE 5 Y PURGE 5 2:00 :00 1</td>
<td>auxInitCmd.DB2=DBINIT NPDA NONE CYL 50 50 Y PURGE 5 Y PURGE 5 2:00:00 1</td>
</tr>
<tr>
<td></td>
<td>*DBINIT TARA NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00 :00 1</td>
<td>auxInitCmd.DB3=DBINIT TARA NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00:00 1</td>
</tr>
<tr>
<td></td>
<td>*DBINIT SAVE NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00 :00 1</td>
<td>auxInitCmd.DB4=DBINIT SAVE NONE CYL 50 50 Y REORG 0 Y REORG 0 2:00:00 1</td>
</tr>
<tr>
<td>Global variables</td>
<td>GLOBALV PUTC SMFVPD</td>
<td>COMMON.SMFVPD = 37</td>
</tr>
<tr>
<td></td>
<td>GLOBALV PUTC DUIFHNM DUFHPRC</td>
<td>COMMON.DUIFHNM = GMFHS</td>
</tr>
<tr>
<td></td>
<td>GLOBALV PUTC EKGHNAM EKGPVRC</td>
<td>COMMON.EKGPVRC = CNMGMFHS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COMMON.EKGHNAM = RODM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COMMON.EKGPVRC = EKGXRODM</td>
</tr>
</tbody>
</table>

To define a command or a command list to run automatically when the NetView program is started, use the auxInitCmd keyword in CNMSTYLE. You can specify any number of commands or command lists to be run.

**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.V5R1M0.SDSIOPEN data set.

**CNMPROC (CNMSJ009)**

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

Change CNMPROC in your PROCLIB to include the following:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
3. You might need to increase the region size depending on the components you are running. For more information, refer to the *Tivoli NetView for z/OS Tuning Guide*.
4. Add a comma following the SUBSYM parameter to enable the two-character identifier:

   ```
   // SUBSYM='', ** NETVIEW SYMBOLIC SUBSTITUTION SWITCH
   ```
5. Add the following NV2I statement and comments after the SUBSYM statement to allow the specification of a two-character identifier:
The start procedure contains the specification of a two-character identifier NV2I. This value becomes a local system symbolic &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 CxxSTYLE to match the identifier you used. Then, modify CxxSTYLE for your system. For example, if you set &NV2I to N1, NetView initialization uses member CN1STYLE in DSIPARM instead of CNMSTYLE.

6. Add the &NV2I symbolic to the NetView execution statement, as shown:

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

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

```
// DD DSN=&SQ1..SEKMOD1,DISP=SHR
```

8. Remove the following statements from the STEPLIB concatenation:

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

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

10. Remove the following DD statement from the DSICLD concatenation:

```
//* COMMENT THE FOLLOWING LINE OUT IF YOU WILL NOT BE USING AON INFORM
//* POLICY, TIMER COMMAND, CGED COMMAND OR DM COMMAND.
// DD DSN=&SQ1..SEZLCLST,DISP=SHR
```

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

11. 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=&SQ1.&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
```

12. Update the CNMPNL1 concatenation as follows:

```
//CNMPNL1 DD DSN=&SQ1..&DOMAIN..CNMPNL1,DISP=SHR
//* JAPANESE ONLINE HELP DATASET (PANELS)
//* DD DSN=&SQ1..CNMPNL2,DISP=SHR
//* ENGLISH ONLINE HELP DATASET (PANELS)
// DD DSN=&SQ1..CNMPNL1,DISP=SHR
```

13. Update the EZLSTAT DD statement to specify AON51 in the data set name:
14. Update the EZLPSWD DD statement to specify AON51 in the data set name:

```plaintext
//EZLPSWD DD DSN=AON51.SA01.PASSWORD,
//,* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
```

15. Update the AON log DD statements to specify AON51 in the data set names:

```plaintext
//EZLLGP DD DSN=AON51.SA01.LOGP,
//,* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
//EZLLGS DD DSN=AON51.SA01.LOGS,
//,* DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
```

16. Replace the TCP/IP statements with the following:

```plaintext
//SYSTCPD DD DSN=TCPIP.DATA,DISP=SHR
```

If you are using TCP/IP, ensure that the SYSTCPD DD statement is uncommented and specifies the correct TCP/IP data set.

**CNMPSII (CNMSJ010)**

CNMPSII (CNMSJ010) starts the NetView subsystem address space.

Make the following changes to CNMPSII in your PROCLIB:

1. Ensure that the high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. Add the following statements after the ARM statement to set the number of PPI 256 byte and 4000 byte buffers. Note that these statements are optional, and if they are not specified, the default values of 300 and 0 are used, respectively. If you add these statements, add a comma after the PFREG='ONE' statement.

```plaintext
// P256BUF=300, ** Number of 256 byte PPI buffers to use
// P4000BUF=0 ** Number of 4000 byte PPI buffers to use
```

If you add the &P256BUF and &P4000BUF symbolic parameters to allow setting the number of buffers for the PPI 256 byte and 4000 byte sizes, the default values of 300 and 0 are used, respectively.

```plaintext
//NETVIEW EXEC PGM=&PROG,TIME=1440,REGION=&REGK,
// PARM=(&MUFBUF,&CBUF,'&DSIG','&MSGIFAC','&PPIOPT','&ARM',
// 'PFXREG',&P256BUF,&P4000BUF),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 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.

**Table 29. CNMSTYLE Statement Relationship to Older DSIPARM Statements**

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACBpassword1</td>
<td>NCCFID DMNPSW</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>ASSIGN</td>
<td>CNME1034</td>
</tr>
<tr>
<td>AUTOCMD</td>
<td><code>NCCFIC autotbl_name</code></td>
<td><code>DSIDMNK</code></td>
</tr>
<tr>
<td></td>
<td><code>AUTOTBL</code></td>
<td><code>CNME1034</code></td>
</tr>
</tbody>
</table>
Table 29. CNMSTYLE Statement Relationship to Older DSIPARM Statements (continued)

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTOTASK</td>
<td>AUTOTASK</td>
<td>CNME1034</td>
</tr>
<tr>
<td>auxInitCmd.order</td>
<td>NCCFIC IC</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>COMMON</td>
<td>GLOBALV</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DB2SEC=RRS</td>
<td>DB2RRS</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DEFAULTS</td>
<td>DEFAULTS</td>
<td>CNME1034</td>
</tr>
<tr>
<td>DEFAULTS.MAXABEND</td>
<td>MAXABEND</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DEFAULTS.MAXLOGON</td>
<td>MAXLOGON</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DOMAIN</td>
<td>NCCFID DOMAINID</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>FLC_DEF_NETW_VIEW</td>
<td>DEF_NETW_VIEW</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_EXCEPTION_VIEW_FILE</td>
<td>EXCEPTION_VIEW_FILE</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMINT</td>
<td>RODMINT</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMNAME</td>
<td>RODMNAME</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMRETRY</td>
<td>RODMRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RUNCMDRETRY</td>
<td>RUNCMDRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_TCPNAME</td>
<td>TCPNAME</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>LOADEXIT</td>
<td>LOADEXIT</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>LUC</td>
<td>parameters</td>
<td>DSILUCTD</td>
</tr>
<tr>
<td>MCON</td>
<td>parameters</td>
<td>DSITCPCF</td>
</tr>
<tr>
<td>MSMdefault</td>
<td>DEF_AUTOTASK</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>MVSPARM</td>
<td>MVSPARM</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>NLDLM</td>
<td>parameters</td>
<td>• AAUPRMLP</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPDA</td>
<td>parameters</td>
<td>BNJMBDST</td>
</tr>
<tr>
<td>NPDA.ALERTFWD</td>
<td>ALERTFWD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>RRD</td>
<td>RRD</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>RTT</td>
<td>parameters</td>
<td>DSIRTTTD</td>
</tr>
<tr>
<td>SDECOPTS</td>
<td>OPTIONS</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>SuppChar</td>
<td>NCCFID SUPPCHAR</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>TAMEL</td>
<td>parameters</td>
<td>DUIFPMEM</td>
</tr>
<tr>
<td>TASK</td>
<td>TASK</td>
<td>DSIDMN</td>
</tr>
<tr>
<td>transTbl</td>
<td>TRANSTBL</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>VTAMCP.USE</td>
<td>VTAMCP</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>WEB</td>
<td>parameters</td>
<td>DSWBMEM</td>
</tr>
</tbody>
</table>

**Note:** 1. This statement is contained in CNMSTYLE include member CNMSTPWD.

CNMSTYLE contains descriptive comments about the types of statements that can be included in the member. Read the comments and review the defaults. The following defaults changed:
<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCF Trace</td>
<td>Off</td>
<td>On, MODE=INT</td>
</tr>
<tr>
<td>LOGONPW</td>
<td>CMDMDL commented out</td>
<td>CMDMDL enabled</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>STATGRP specifies:</td>
<td>STATGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• NETOP1</td>
<td>• NETOP1</td>
</tr>
<tr>
<td></td>
<td>• NETOP2</td>
<td>• NETOP2</td>
</tr>
<tr>
<td></td>
<td>OPERGRP specifies:</td>
<td>OPERGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• OPER1</td>
<td>• OPER1</td>
</tr>
<tr>
<td></td>
<td>• OPER2</td>
<td>• OPER2</td>
</tr>
<tr>
<td></td>
<td>• OPER3</td>
<td>• OPER3</td>
</tr>
<tr>
<td></td>
<td>• OPER4</td>
<td>• OPER4</td>
</tr>
<tr>
<td></td>
<td>• OPER5</td>
<td>• OPER5</td>
</tr>
<tr>
<td></td>
<td>• OPER6</td>
<td></td>
</tr>
<tr>
<td>MEMSTOR</td>
<td>Commented out in CNME1034</td>
<td>Enabled</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No predefined include or exclude lists</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predefined include list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CNMPNL1.CNMKWIN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CNMPNL1.CNMBROWS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIOPEN.CNMKEYS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSICLD.CNME1505</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSICLD.CNME1096</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predefined exclude list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIIPARM.DSIOPF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIIPARM.DSIOPFU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSILIST.*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• *.USERMEM</td>
</tr>
<tr>
<td>IDLEOFF</td>
<td>Commented out in CNME1034</td>
<td>Runs on AUTO1 in CNMSTYLE.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLENV</td>
<td>Commented out in CNME1034</td>
<td>Initializes two environments each for PL/I and C in CNMSTYLE.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEFAULTS command keywords</td>
<td>MAXABEND=1</td>
<td>MAXABEND=4</td>
</tr>
<tr>
<td></td>
<td>AUTOLOGN=NO</td>
<td>AUTOLOGN=YES</td>
</tr>
<tr>
<td></td>
<td>EVERYCON=NO</td>
<td>EVERYCON=YES</td>
</tr>
<tr>
<td></td>
<td>AUTOSEC=CHECK</td>
<td>AUTOSEC=BYPASS</td>
</tr>
<tr>
<td></td>
<td>STRTSERV=SBMTJOB</td>
<td>STRTSERV=STRTPROC</td>
</tr>
</tbody>
</table>
Table 30. CNMSTYLE statements (continued)

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tasks started automatically:</td>
<td>CNME1034 included a STARTCNM ALL command that started these tasks.</td>
<td>CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.</td>
</tr>
<tr>
<td>• &amp;DOMAIN.LUC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• &amp;DOMAIN.VMT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AAUTCNMI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AAUTSKLP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSERV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSE36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJMNPDA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAMLUT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAUTOPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSICRTR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIKREM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIQTSK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIROVS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSITRACE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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  
Tivoli NetView for z/OS Administration Reference

DSIAMAT

Add the following 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 V5R1 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 V5R1 copy of DSIAMLTD, and update the NLDM statements in
Migrating from NetView V1R3

CNMSTYLE to reflect the values previously specified in DSIAMLTD. 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 V5R1.

DSICMD

Due to extensive changes in DSICMD, it is recommended that you use the V5R1 version of DSICMD.

The %INCLUDE structure has changed, as follows:

- DSICMDB has been replaced by DSICMSYS and DSICMENT.
- DSICMDM and DSICMDT have been replaced by DSICMENT.

Notes:

1. The %INCLUDE statements for the AON DSICMD include members EZLCMD, FKVCMD, and FKXCMD that were in DSICMDMD are now in DSICMENT. Commands that were in include member FKWCMD were deleted and FKWCMD is no longer used.
2. The AON commands that were in %INCLUDE member EZLCMDI and were included by DSICMDMD are now in DSICMSYS and DSICMENT. EZLCMDI is no longer used.
3. The MultiSystem Manager commands that were in %INCLUDE member FLCSCMD and were included by DSICMDMD are now in DSICMENT. FLCSCMD is no longer used.

When migrating to the V5R1 copy of DSICMD:

1. Place user-defined commands in DSICMDU.
2. Migrate any command or keyword synonyms.

For command authorization, use the NetView command authorization table or the NETCMDS class in the SAF product. Scope of commands is no longer supported. You can use the SECMIGR command to migrate your command authorization from scope of commands to the NetView command authorization table. For suggested command authority settings, refer to samples CNMSAF2 or CNM2CAT2. For more information, refer to Tivoli NetView for z/OS Security Reference.

You can remove any scope of command authorization statements (CMDCLASS, KEYCLASS, and VALCLASS statements). If present, these statements are ignored.

Note: If you separated your customized CMDMDL statements into a separate data set member and added a %INCLUDE for the NetView-supplied DSICMD member, remove the %INCLUDE for DSICMD. Rename your customized member to DSICMDU and allow the NetView program to run with the DSICMD version shipped in NETVIEW.V5R1M0.DSIPARM. If you use this option, ensure that you do not have duplicate CMDMDL statements in any member that is included in DSICMD.

You can add Data REXX logic to conditionally %INCLUDE command definitions. 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.
There is an alternate approach if you do not take advantage of the Data REXX version of DSICMD. DSICMD1ID and DSICMD51 are nonexecutable samples containing the CMDMDL statements new for this release. Review these samples. You can either copy these samples into your DSICMD or add the following statements to the beginning of your DSICMD:

```
%INCLUDE DSICMD1D
%INCLUDE DSICMD51
```

These `%INCLUDE` statements cause DSICMD1D and DSICMD51 to be read into DSICMD at run time. This is not the recommended approach, but allows you to get the NetView program running. You can then separate your CMDMDL statements at a later time. If you decide on this approach, make the following additional changes to your existing DSICMD:

1. Add the following CMDSYN statement following the EZLEDMSG command model statement:
   ```
   CMDSYN CLRHELD
   ```

   The EZLEDMSG command model statement is in EZLCMDI.

2. Add the following CMDSYN statement following the EZLE600A command model statement:
   ```
   CMDSYN SETTIMER
   ```

   The EZLE600A command model statement is in EZLCMDI.

3. Add the following CMDSYN statement for AONCMD under the EXCMD command model statement:
   ```
   EXCMD CMDMDL MOD=DSIEXCMD,TYPE=R,RES=Y
   CMDSYN AONCMD
   ```

4. Add the following IGNRLSUP keyword to the CLOSE command model statement:
   ```
   CLOSE CMDMDL MOD=DSICLP,TYPE=B,IGNRLSUP=*
   ```

5. Delete the following CMDMDL statements:
   ```
   ACCTSNA CMDMDL MOD=FLBGMCMD,TYPE=R,RES=Y
   AONCMD CMDMDL MOD=DSIEXCMD,TYPE=R,RES=Y,SEC=BY
   CNME7007 CMDMDL MOD=DSICCP
   CMDSYN AUTOBI46
   CNME7023 CMDMDL MOD=DSICCP
   CMDSYN DIALCDRM
   DUIFBR CMDMDL MOD=DUIFBR,TYPE=R,RES=Y
   DUIFBS CMDMDL MOD=DUIFBS,TYPE=R,RES=Y
   DUIFBTIM CMDMDL MOD=DUIFBTIM,TYPE=R,RES=Y
   DUIFBTRM CMDMDL MOD=DUIFBTRM,TYPE=R,RES=Y
   FKWELOP CMDMDL MOD=DSICCP,ECHO=Y,TYPE=R,SEC=BY
   FLCARREQ CMDMDL MOD=DSICCP
   CMDSYN REMVREQ
   FLCINIT CMDMDL MOD=DSICCP
   CMDSYN STRTDISC
   FLCDSTOP CMDMDL MOD=DSICCP
   CMDSYN STOPDISC
   IPMINIT CMDMDL MOD=DUIFBINT,TYPE=R,RES=Y
   SESSMDIS CMDMDL MOD=DSINDISP
   ```

Notes:

a. The ACCTSNA command model statement is in DSICMDT or DSICMD31.
b. This command model statement is in EZLCMDI.
c. This command model statement is in DSICMDB.
d. The FLCARREQ command model statement is in DSICMDT or DSICMD1A.
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6. The AON CMDMDL statements are included in NetView by the following DSICMD include members:
   - EZLCMD (Base AON statements)
   - FKVCMD (AON/SNA automation)
   - FKXCMD (AON/TCP)

Due to the extensive changes, use the V5R1 versions of these DSICMD include members. Some changes to consider include:

- The SEC=BY keyword was removed from many, but not all, of the AON CMDMDL statements. Review your AON command security definitions to determine if removing this keyword is appropriate for your environment. Refer to "Appendix F. AON CMDMDL Statements Without SEC=BY" on page 255 for a complete list of AON commands affected by this change.
- All of the CMDMDL statements within sample FKWCMD have been removed. Sample FKWCMD has been deleted.
- Remove the %INCLUDE statement for FKWCMD.

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. It is recommended that you use the DSICTMOD module shipped with V5R1. If you updated CNMS0055 for your current release, merge those changes into the V5R1 version of CNMS0055 and run it to assemble and link-edit your changes into the DSICTMOD module.

DSIDMN

The parameters set in DSIDMN 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.
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 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.
   - Suffixes appended to the domain name to generate the VTAM application name for the terminals are now in hexadecimal format. You can define additional APPL statements using this new naming scheme.

   Note: 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 would make the application names unavailable for the purpose for which they were defined.
Note: Statements that were in DSIDMNK are now in CNMSTYLE. DSIDMNK has been removed.

DSIDMNU

User TASK statements are no longer contained in DSIDMNU. They have been replaced by entries in CNMSTYLE include member CNMSTGEN. You can migrate the TASK statements that are currently coded in DSIDMNU to TASK statements in the format expected by CNMSTYLE. 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 Tivoli NetView for z/OS User's Guide. For more information on the PIPE KEEP command, refer to Tivoli NetView for z/OS Customization: Using Pipes.

DSIDMNU is still supported. However, any task groups found in CNMSTYLE will 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 V5R1 copy of DSILUCTD, and update the LUC statements in CNMSTYLE to reflect the values previously specified in DSILUCTD.

DSIOPF

Due to extensive changes to DSIOPF, it is recommended that you use the V5R1 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, 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 V5R1 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.

The following information is provided to highlight modifications to DSIOPF since NetView V1R3. The following lists of new, changed, and deleted operator definitions should be considered as you migrate your operator definitions, especially with regard to security.

The following operator definitions have been removed:

<table>
<thead>
<tr>
<th>AUTOATMA</th>
<th>OPERATOR</th>
<th>PASSWORD=AUTOATMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROFilen</td>
<td>FLCSPRFB</td>
<td></td>
</tr>
<tr>
<td>AUTOATM1</td>
<td>OPERATOR</td>
<td>PASSWORD=AUTOATM1</td>
</tr>
<tr>
<td>PROFilen</td>
<td>FLCSPRFB</td>
<td></td>
</tr>
</tbody>
</table>
Remove the FKWOPF %INCLUDE member.

The following operator definitions have been added:

<table>
<thead>
<tr>
<th>Operator Definition</th>
<th>DSIOPF Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTAM ACB monitor autotasks</td>
<td>AUTOVTAC OPERATOR PASSWORD=AUTOVTAC</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFB</td>
</tr>
<tr>
<td></td>
<td>AUTOVTDB OPERATOR PASSWORD=AUTOVTDB</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFB</td>
</tr>
<tr>
<td></td>
<td>NetView policy services autotask</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFC</td>
</tr>
<tr>
<td></td>
<td>MVS command management autotask</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFD</td>
</tr>
<tr>
<td></td>
<td>NetView Resource Manager autotask</td>
</tr>
<tr>
<td></td>
<td>PROFILEN DSIPROFC</td>
</tr>
<tr>
<td></td>
<td>GMFHS autotask to process</td>
</tr>
<tr>
<td></td>
<td>NMCSTATUS policy definitions</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**EZLOPF**

In DSIOPF %INCLUDE member EZLOPF, the following has 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 AUTMSGn to AONMSGn.

**FKVOPF**

In DSIOPF %INCLUDE member FKVOPF, the prefixes for the SNA automation autotask definitions and their corresponding passwords have changed from AUTNETn to AONNETn.

**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 V5R1 copy of DSIRTTTD, and update the RTT statements in CNMSTYLE 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. DSIRXPRM can be updated using sample job CNMSJM11. It is recommended that you use the V5R1 version of DSIRXPRM. If you updated CNMSJM11 for your current release, merge those changes into the V5R1 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. 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 V5R1 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 to include an AUTOCMD statement for your automation table.

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 V5R1 copy of DSITCPCF, and update the MCON statements in CNMSTYLE 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. This statement defines the encryption keys for HTTP server sessions.

DSIUINIT

If you made changes to DSIUINIT (initialization member for task DSIUDST), migrate the changes to DSIPARM member CNMSTYLE. 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 V5R1 copy of DSIWBMEM, and update the WEB statements in CNMSTYLE 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. DSIZVLSR can be updated by using sample job CNMSJM01. It is recommended that you use the DSIZVLSR module shipped with V5R1. If you updated CNMSJM01 for your current release, merge those changes into the V5R1 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 V5R1 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE 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 V5R1 copy of DUIIGHB, and update the GHB statements in CNMSTYLE to reflect the values previously specified in DUIIGHB. Do not modify the Data REXX version of DUIIGHB.

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.

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.

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
Migrating from NetView V1R3

Refer to the [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 V5R1, FLCSAINP was the sample initialization file for the MultiSystem Manager. FLCSAINP could be modified and renamed to either FLCAINP or another unique name. In V5R1, 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 V5R1, 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.
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 LMU.xxx statements.
6. Delete any GETTOPP ATM.xxx statements.

Refer to [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.V5R1M0.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 [Tivoli NetView for z/OS Customization Guide](#)

**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.V5R1M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
3. The region size has been increased to 64 Mb. Update the following in the PROC statement:
   
   ```
   // REG=64M,  
   ```

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 GMFHS output DD statement:
   
   ```
   //CNMN DD SYSOUT=A  
   ```

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 Graphic Monitor Facility host subsystem (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.

1. To enable GMFHS to send Japanese text to an NMC console, add the following parameter:
   
   ```
   JAPANESE=ON  
   ```

2. The TASK statement allows you 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:
   
   ```
   RODMNAME=&CNMRODM.  
   ```

4. Add the following statement:
   
   ```
   *LCON-MAX-QUEUE-RCMGR=10000  
   ```
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.V5R1M0.
2. 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
   ```
3. Add the following DD statement to the STEPLIB data set concatenation:
   ```
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```
4. 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
   ```
5. 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
   ```

**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.V5R1M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
3. If you are using the RODM component and are migrating from a previous release, remove the following statements from the STEPLIB data set concatenation:
   ```
   //STEPLIB DD DSN=&SQ1..SEKGMOD1,DISP=SHR
   //DD DSN=&SQ1..SEKGMOD2,DISP=SHR
   ```
4. Add the following DD statement to the STEPLIB data set concatenation:
   ```
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```
5. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   ```
   //EKGCUST DD DSN=&SQ1..SEKGSMP1,DISP=SHR
   ```
   to
   ```
   //EKGCUST DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```
6. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   ```
   //EKGLUTBB DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```
7. 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
   ```

8. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   
   ```
   //EKGIN2 DD DSN=&SQ1..SEKGCS1,DISP=SHR
   ```
   
   to
   
   ```
   //EKGIN2 DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

9. If you have not installed the Language Environment for OS/390 run-time library in LNKSTxx or PROGxx, be sure the library name in the STEPLIB of EKGXRODM is correct and uncommented. Remove DD statements for PL/I or C/C++ run-time libraries because these libraries are no longer being used.

---

**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 CNMSTSTYLE.

The NetView program uses Data REXX in the following parameter files:

- `AAUPRMLP`
- `BNJMBDST`
- `CNMNEWS`
- `CNMSTASK`
- `CNMSTGEN`
- `CNMSTTWR`
- `DSIAMLTD`
- `DSICMD`
- `DSICMDU (Data REXX support)`
- `DSIDMN`
- `DSIILGCF`
- `DSILUCTD`
- `DSIOPF`
- `DSIREXCF`
- `DSIRSHCF`
- `DSISSERTD`
- `DSITBL01`
- `DSITCPCF`
- `DSIUIINIT`
- `DSIWBMEM`
- `DUIFPMEM`
- `DUIIGHB`
- `EZLCFG01`
- `EZLDSIAO`
- `FKVCFG01`
- `FKVISTAO`
- `FKVTABLE`
- `FLBAUT`
- `HELPMAP (CNMS1048)`
Use of Symbolics in Parameter Files

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

- &CNMTCPN for the TCP/IP application name
- &CNMRODM for the RODM name
- &CNMNETID for the network identifier

Based on the values defined in CNMSTYLE, the NetView program creates several user symbolics that are used in the following parameter files:

- DSIILGCF
- DSIQTSKI
- DSIREXCF
- DSIRSHCF
- DSIRTDTD
- DSITCPCF
- DSIVPARM
- DSIWBMEM
- DUIFPMEM
- DUIIGHB
- FLBSYSN
- FLCSAINP

&DOMAIN is an additional NetView user symbolic and is used in the following parameter files:

- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTYLE
- DSIAMIAT
- DSIAMII
- DSIITBL01
- FLBSYSN

UNIX System Services

The following section describes the directories, configuration files, and functions that have changed from NetView V1R3 to NetView V5R1. Also review the section in "Preparing UNIX System Services" on page 113.

The following directories are no longer used by the USS environment for NetView V5R1:

- /usr/lpp/netview/bin
- /usr/lpp/netview/doc
- /usr/lpp/netview/install
- /usr/lpp/netview/lib
- /usr/lpp/netview/man
- /usr/lpp/netview/mibs
- /usr/lpp/netview/samples

The following configuration files found in NetView V1R3 are no longer used in NetView V5R1:

- /etc/netview/fkxcm
- /etc/netview/iptdiscovery.conf
- /etc/netview/nv390mibs.def
- /etc/netview/nv390srvc.conf
NetView V5R1 USS now uses the following directories:

- `/etc/netview/snmp.conf`
- `/usr/lpp/netview/v5r1/bin`
- `/usr/lpp/netview/v5r1/mibs`
- `/etc/netview/mibs` (for user-defined MIBs and MIBs not shipped with NetView V5R1)
- `/etc/netview/v5r1` (application files)
- `/tmp/netview/v5r1` (application files)

The following functions are no longer available on USS for NetView V5R1:

- The TCP/IP discovery sample which previously ran on z/OS and OS/390 in USS.¹
- `SNMPSRVC`²
- `POLLSRVC`²
- `MIBSRVC`²
- `LOADMIB²`

Notes:

1. This sample is available for downloading from the Unsupported Tools page at the following Web address:
   - `http://www.tivoli.com/nv390/`
   - It is replaced in the product by the TCP/IP discovery function on Linux on zSeries.
2. These services are available through other mechanisms from the NetView Web console and the NMC topology console.

---

### Event/Automation Service Address Space

The sample in this section lists changes for the Event/Automation 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.V5R1M0.
2. Remove the DD statement for the C/C++ run-time library because this library is no longer used.
Migrating from NetView V1R3
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. It is assumed that no maintenance has been applied (or no changes have been made since the release from which you are migrating). You can either upgrade your existing NetView definitions, or use the ones supplied with the V5R1 program and add any customization you may have performed for the definitions.

For maintenance, you might want to copy any DSIPARM members that you previously customized, and any DSIPARM members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPARM. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPARM data set.

You might want to copy any DSIPRF members that you previously customized, and any DSIPRF members that you are editing, into NETVIEW.V5R1USER.CNM01.DSIPRF. This way, the NetView program can use members that you have not changed from the NETVIEW.V5R1M0.DSIPRF data set.

Note: Make all changes to definition statements in uppercase.

Figure 13 shows the initialization flow for NetView V1R4, and Figure 14 on page 126 shows the NetView V5R1 initialization flow. Keep this new initialization flow in mind as you make changes to your DSIPARM members.

**NetView Initialization Flow**

```
DSIDMN
  - DSIDMNK (some parameters)
  - DSIDMNU (migration for user DST and OPT tasks)

CNMSTYLE
  - Tower settings
  - Autotasks, parameters, initialization commands
  - CNMSTPWD (passwords not in security product)
  - CNMSTASK (DST and OPT task information)
  - CNMSTTWR (tower customization)
  - CNMSTGEN (user customization)
  - CNMSTNXT (future migration)
```

*Figure 13. NetView V1R4 Initialization Flow*
When you finish with this chapter, continue with "Chapter 8. Getting Ready to Start NetView" on page 143.

If you want information about... Refer to...

Changes including panels, commands, messages, and samples
"Appendix E. Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for z/OS Version 5 Release 1" on page 241

New Samples

Table 27 on page 100 lists new system definitions to review during migration.

Table 31. List of New Samples

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CNMSAF2</td>
<td>same Sets RACF definitions for NetView operators and commands</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSBAK1</td>
<td>same Backup command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSCAT2</td>
<td>same Sample command authorization table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSHTSP</td>
<td>same Displays a list of Web addresses which can be selected to access websites</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>CNMSPAN2</td>
<td>same Sample NetView span table</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>CNMSURLS</td>
<td>same Contains a list of Web addresses read by CNMSHTSP</td>
<td>CNMSAMP</td>
</tr>
<tr>
<td></td>
<td>DSIAUTB</td>
<td>same Part list for usage of the AUTOBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>DSIAUTBU</td>
<td>same User defined part list for AUTOBYPAS REXX or CLIST function</td>
<td>DSIPARM</td>
</tr>
<tr>
<td></td>
<td>DSIPROFG</td>
<td>same Automated operator profile that is functionally equivalent to DSIPROFD. It is provided for compatibility reasons.</td>
<td>DSIPRF</td>
</tr>
<tr>
<td></td>
<td>DSIW3PRF</td>
<td>same Properties definitions for 3270 web sessions</td>
<td>DSIPARM</td>
</tr>
</tbody>
</table>
### Table 31. List of New Samples (continued)

<table>
<thead>
<tr>
<th>Distributed As</th>
<th>Name</th>
<th>Description</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>FXXSCM</td>
<td>same</td>
<td>Defines community names for IP resources to AON/TCP for proactive monitoring and commands</td>
<td>DSIPARM</td>
</tr>
<tr>
<td>FLCAINP</td>
<td>same</td>
<td>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.</td>
<td>CNMSAMP</td>
</tr>
</tbody>
</table>

For a complete list of changes, see "Appendix D. Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4" on page 223.

---

**VTAM Address Space**

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

**CNMNET (CNMSJ008)**

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

Change CNMNET in your PROCLIB to include the following:

1. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
2. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

**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 V5R1 copy of AAUPRMLP, and update the NLDM statements in CNMSTYLE to reflect the values previously specified in AAUPRMLP. Do not modify the Data REXX version of AAUPRMLP.

**BNJMBDST**

If you made changes to BNJMBDST (hardware monitor initialization member), migrate the changes to DSIPARM member CNMSTYLE. Do not modify the Data REXX version of BNJMBDST.
CNMPROC (CNMSJ009) is the start procedure for the NetView program.

Change CNMPROC in your PROCLIB to include the following:

1. For NetView data sets ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
2. For NetView data sets ensure your high-level qualifier for system data sets points to NETVIEW.V5R1M0.
3. You might need to increase the region size depending on the components you are running. For more information, refer to the Tivoli NetView for z/OS Tuning Guide.
4. Remove the following DD statement from the STEPLIB concatenation:
   // DD DSN=&SQ1..SEKGMOD1,DISP=SHR
5. Remove the following statements from the STEPLIB concatenation:
   // DD DSN=&SQ1..SEZLLINK,DISP=SHR
6. If you plan to run Language Environment (LE) HLL programs with the NetView program, and did not install the LE run-time library in the LNKLSTxx, be sure the library name in the STEPLIB of CNMPROC is correct and uncommented.
7. Remove the following DD statement from the DSICLD concatenation:
   // DD DSN=&SQ1..SEZLCLST,DISP=SHR
8. Remove the following statements from the CNMPNL1 concatenation:
   // DD DSN=&SQ1..SEKGSMP1,DISP=SHR
9. Update the CNMPNL1 concatenation as follows:
    ///CNMPNL1 DD DSN=&SQ1..&DOMAIN..CNMPNL1,DISP=SHR
    ///* JAPANESE ONLINE HELP DATASET (PANELS)
    ///* ENGLISH ONLINE HELP DATASET (PANELS)
    /// DD DSN=&SQ1..CNMPNL1,DISP=SHR
10. Update the EZLSTAT DD statement to specify AON51 in the data set name:
    //EZLSTAT DD DSN=AON51.SA01.STATS,
    // DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
11. Update the EZLPSWD DD statement to specify AON51 in the data set name:
    //EZLPSWD DD DSN=AON51.SA01.PASSWORD,
    // DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
12. Update the AON log DD statements to specify AON51 in the data set names:
    //EZLLGPH DD DSN=AON51.SA01.LGPH,
    // DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
    //EZLLGSS DD DSN=AON51.SA01.LGSS,
    // DISP=SHR,AMP='AMORG,BUFNI=10,BUFND=5'
13. Replace the TCP/IP statements with the following:
    //SYSTCPD DD DSN=TCP/IP.DATA,DISP=SHR
If you are using TCP/IP, ensure that the SYSTCPD DD statement is uncommented and specifies the correct TCP/IP data set.

**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.V5R1M0.

**CNMSTYLE**

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE 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.

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB2SEC=RRS</td>
<td>DB2RRS</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>DEFAULTS</td>
<td>DEF_NETW_VIEW</td>
<td>CNME1034</td>
</tr>
<tr>
<td>FLC_DEF_NETW_VIEW</td>
<td>EXCEPTION_VIEW_FILE</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMINT</td>
<td>RODMINT</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODNAME</td>
<td>RODMNAME</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RODMRETRY</td>
<td>RODMRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_RUNCMDRETRY</td>
<td>RUNCMDRETRY</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_TCPNAME</td>
<td>TCPNAME</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>FLC_TN3270_FILE</td>
<td>TN3270_FILE</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>IPLOG</td>
<td>parameters</td>
<td>DSIIILGCF</td>
</tr>
<tr>
<td>LOADEXIT</td>
<td>LOADEXIT</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>LUC</td>
<td>parameters</td>
<td>DSILUCTD</td>
</tr>
<tr>
<td>MCON</td>
<td>parameters</td>
<td>DSITCPCF</td>
</tr>
<tr>
<td>MSMdefault</td>
<td>DEF_AUTOTASK</td>
<td>FLCSAINP</td>
</tr>
<tr>
<td>MVSPARM</td>
<td>MVSPARM</td>
<td>DSIDMNK</td>
</tr>
</tbody>
</table>
| NLDM                | parameters                    | • AAUPRMLP  
                      |                  | • DSIAMLTD      |
| NPDA_ALERTFWD       | ALERTFWD                      | DSIDMNK        |
| REXEC               | parameters                    | DSIREXCF       |
| RRD                 | RRD                           | DSIDMNK        |
| RSH                 | parameters                    | DSIRSHCF       |
| RTT                 | parameters                    | DSIRRTTD       |
| SECOPTS             | OPTIONS                       | DSIDMNK        |
| TAMEL               | parameters                    | DUILFPMEM      |
### Table 32. CNMSTYLE Statement Relationship to Older DSIPARM Statements (continued)

<table>
<thead>
<tr>
<th>CNMSTYLE Statement</th>
<th>DSIPARM Statement or Command</th>
<th>NetView Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>transTbl</td>
<td>TRANSTBL</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>VTAMCPUSE</td>
<td>VTAMCP</td>
<td>DSIDMNK</td>
</tr>
<tr>
<td>WEB</td>
<td>parameters</td>
<td>DSIBMEM</td>
</tr>
</tbody>
</table>

**Note:** 1. This statement is contained in CNMSTYLE include member CNMSTPWD.

CNMSTYLE contains descriptive comments about the types of statements that can be included in the member. Read the comments and review the defaults. The following defaults changed:

### Table 33. CNMSTYLE statements

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCF Trace</td>
<td>Off</td>
<td>On, MODE=INT</td>
</tr>
<tr>
<td>LOGONPW</td>
<td>CMDMDL commented out</td>
<td>CMDMDL enabled</td>
</tr>
<tr>
<td>ASSIGN</td>
<td>STATGRP specifies:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• NETOP1</td>
<td>STATGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• NETOP2</td>
<td>• NETOP1</td>
</tr>
<tr>
<td></td>
<td>• AUTO1</td>
<td>• NETOP2</td>
</tr>
<tr>
<td></td>
<td>OPERGRP specifies:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• OPER1</td>
<td>OPERGRP specifies:</td>
</tr>
<tr>
<td></td>
<td>• OPER2</td>
<td>• OPER1</td>
</tr>
<tr>
<td></td>
<td>• OPER3</td>
<td>• OPER2</td>
</tr>
<tr>
<td></td>
<td>• OPER4</td>
<td>• OPER3</td>
</tr>
<tr>
<td></td>
<td>• OPER5</td>
<td>• OPER4</td>
</tr>
<tr>
<td></td>
<td>• OPER6</td>
<td>• OPER5</td>
</tr>
<tr>
<td>MEMSTOR</td>
<td>Commented out in CNME1034</td>
<td>Enabled</td>
</tr>
<tr>
<td></td>
<td>No predefined include or exclude lists</td>
<td>Predefined include list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CNMPNL1.CNMKWIND</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• CNMPNL1.CNMBROWS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIOPEN.CNMKEYS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSICLD.CNME1505</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSICLD.CNME1096</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Predefined exclude list:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIPARM.DSIOPF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSIPARM.DSIOPFU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DSILIST.*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• *.USERMEM</td>
</tr>
<tr>
<td>IDLEOFF</td>
<td>Commented out in CNME1034</td>
<td>Runs on AUTO1 in CNMSTYLE.</td>
</tr>
<tr>
<td>HLENV</td>
<td>Commented out in CNME1034</td>
<td>Initializes two environments each for PL/I and C in CNMSTYLE.</td>
</tr>
<tr>
<td>DEFAULTS command keywords</td>
<td>CMD=HIGH</td>
<td>CMD=LOW</td>
</tr>
<tr>
<td></td>
<td>STRTSERV=SBMTJOB</td>
<td>STRTSERV=STRTPROC</td>
</tr>
</tbody>
</table>
Table 33. CNMSTYLE statements (continued)

<table>
<thead>
<tr>
<th>Default</th>
<th>Prior default</th>
<th>Current default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tasks started automatically:</td>
<td>CNME1034 included a STARTCNM ALL command that started these tasks.</td>
<td>CNMSTYLE includes these tasks as INIT=N, indicating that they no longer start automatically.</td>
</tr>
<tr>
<td>• &amp;DOMAIN.LUC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• &amp;DOMAIN.VMT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AAUTCNMI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• AAUTSKLP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSERV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJDSER3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• BNJMNPD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIAMLUT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIATOPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSICRTR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIGDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIMR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIMR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIVTSK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSIRVVS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• DSITRACE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 | Tivoli NetView for z/OS Administration Reference |

CNMSTNXT

CNMSTNXT is a member of DSIPARM that is used during NetView initialization. It is included by CNMSTYLE.

CNMSTNXT contains statements that are new or changed in this release. If you choose to use your existing CNMSTYLE, you should review the statements in CNMSTNXT and move them to your copy of CNMSTYLE. Do not remove the %INCLUDE in CNMSTYLE for this member. It will be used in future releases to contain new and changed statements.

If you want information about... Refer to...

| CNMSTYLE statements | 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 V5R1 copy of DSIAMLTD, and update the NLDI statements in CNMSTYLE to reflect the values previously specified in DSIAMLTD. 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 V5R1. Because OS/390 R10 is the minimum requirement, the VTAM DISPLAY and MODIFY commands do not need CCDEF support. VTAM provides an affirmative end-of-stream indicator.

DSICMD

Due to extensive changes in DSICMD, it is recommended that you use the V5R1 version of DSICMD.

The %INCLUDE structure has changed. Commands that were in the %INCLUDE members DSICMRMT and DSICMPRC are now in DSICMENT. DSICMRMT and DSICMPRC are no longer used.

Commands that were in include member FKWCMD were deleted and FKWCMD is no longer used.

When migrating to the V5R1 copy of DSICMD:
1. Place user-defined commands in DSICMDU.
2. Migrate any command or keyword synonyms.

For command authorization, use the NetView command authorization table or the NETCMDS class in the SAF product. Scope of commands is no longer supported. You can use the SECMIGR command to migrate your command authorization from scope of commands to the NetView command authorization table. For suggested command authority settings, refer to samples CNMSAF2 or CNMSCAT2. For more information, refer to [Tivoli NetView for z/OS Security Reference](#).

You can remove any scope of command authorization statements (CMDCLASS, KEYCLASS, and VALCLASS statements). If present, these statements are ignored.

**Note:** If you separated your customized CMDMDL statements into a separate data set member and added a %INCLUDE for the NetView-supplied DSICMD member, remove the %INCLUDE for DSICMD. Rename your customized member to DSICMDU and allow the NetView program to run with the DSICMD version shipped in NETVIEW.V5R1M0.DSIPARM. If you use this option, ensure that you do not have duplicate CMDMDL statements in any member that is included in DSICMD.

You can add Data REXX logic to conditionally %INCLUDE command definitions. 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.

There is an alternate approach if you do not take advantage of the Data REXX version of DSICMD. DSICMD51 is a nonexecutable sample that contains the CMDMDL statements new for this release. Review this sample. You can either copy this sample into your DSICMD or add the following statement to the beginning of your DSICMD:

```
%INCLUDE DSICMD51
```

This %INCLUDE statement causes DSICMD51 to be read into DSICMD at run time. This is not the recommended approach, but allows you to get the NetView...
program running. You can then separate your CMDMDL statements at a later time. If you decide on this approach, make the following additional changes to your existing DSICMD:

1. Add the following CMDSYN statement for AONCMD under the EXCMD command model statement:

   ```
   EXCMD CMDMDL MOD=DSIEXCMD,TYPE=R,RES=Y
   CMDSYN AONCMD
   ```

2. Add the following IGNRLSUP keyword to the CLOSE command model statement:

   ```
   CLOSE CMDMDL MOD=DSICLP,TYPE=B,IGNRLSUP=*
   ```

3. Delete the following CMDMDL statements:

   ```
   ACCTSNA CMDMDL MOD=FLBGMCMD,TYPE=R,RES=Y
   AONCMD CMDMDL MOD=DSIEXCMD,TYPE=R,RES=Y,SEC=BY
   CNME7023 CMDMDL MOD=DSICCP
   CMDSYN DIALCDRM
   FLCARREQ CMDMDL MOD=DSICCP
   CMDSYN REMVREQ
   FLCDINIT CMDMDL MOD=DSICCP
   CMDSYN STRTDISC
   FLCDJASS CMDMDL MOD=DSICCP
   CMDSYN JAS
   FLCDSTOP CMDMDL MOD=DSICCP
   CMDSYN STOPDISC
   FKWELROP CMDMDL MOD=DSICCP,ECHO=Y,TYPE=R,SEC=BY
   SESSMDIS CMDMDL MOD=DSINDISP
   ```

Notes:

a. The ACCTSNA command model statement is in DSICMENT or DSICMD31.

b. This command model statement is in DSICMPRC or DSICMD1A.

c. The CNME7023 command model statement is in DSICMSYS.

d. The FLCARREQ command model statement is in DSICMENT or DSICMD1A.

e. This command model statement is in DSICMENT or DSICMD1C.

f. The FLCDJASS command model statement is in DSICMENT or DSICMD1D.

g. The SESSMDIS command model statement is in DSICMRMT.

4. The AON CMDMDL statements are included in NetView by the following DSICMD include members:

   - EZLCMD (Base AON statements)
   - FKVCMD (AON/SNA automation)
   - FXXCMD (AON/TCP)

Due to the extensive changes, use the V5R1 versions of these DSICMD include members. Some changes to consider include:

- The SEC=BY keyword was removed from many, but not all, of the AON CMDMDL statements. Review your AON command security definitions to determine if removing this keyword is appropriate for your environment. Refer to "Appendix F. AON CMDMDL Statements Without SEC=BY” on page 255 for a complete list of AON commands affected by this change.
- All of the CMDMDL statements within sample FKWCMD have been removed. Sample FKWCMD has been deleted.

Remove the %INCLUDE statement for FKWCMD.
Migrating from NetView V1R4

DSICTMOD

DSICTMOD is the NetView constants module that can be updated using sample job CNMS0055. It is recommended that you use the DSICTMOD module shipped with V5R1. If you updated CNMS0055 for your current release, merge those changes into the V5R1 version of CNMS0055 and run it to assemble and link-edit your changes into the DSICTMOD module.

DSIDMN

The parameters set in DSIDMN 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.
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 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.
Suffixes appended to the domain name to generate the VTAM application name for the terminals are now in hexadecimal format. You can define additional APPL statements using this new naming scheme.

Note: 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 would make the application names unavailable for the purpose for which they were defined.

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 V5R1 copy of DSIILGCF, and update the IPLOG statements in CNMSTYLE 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 V5R1 copy of DSILUCTD, and update the LUC statements in CNMSTYLE to reflect the values previously specified in DSILUCTD.

DSIOPF

Due to extensive changes to DSIOPF, it is recommended that you use the V5R1 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, or both. Ensure that your operator definitions defined in DSIOPFU are included in the V5R1 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.

The following information is provided to highlight modifications to DSIOPF since NetView V1R4. The following lists of new, changed, and deleted operator definitions should be considered as you migrate your operator definitions, especially with regard to security.

The following operator definitions have been removed:

- AUTOATMA OPERATOR PASSWORD=AUTOATMA PROFILEN FLCSPRFB
- AUTOATM1 OPERATOR PASSWORD=AUTOATM1 PROFILEN FLCSPRFB
- AUTOENA OPERATOR PASSWORD=AUTOENA PROFILEN FLCSPRFB
- AUTOEN1 OPERATOR PASSWORD=AUTOEN1 PROFILEN FLCSPRFB
- AUTONWA OPERATOR PASSWORD=AUTONWA PROFILEN FLCSPRFB
- AUTONW1 OPERATOR PASSWORD=AUTONW1 PROFILEN FLCSPRFB
- FLBGMGR OPERATOR PASSWORD=FLBGMGR PROFILEN FLBGMMPR

Remove the FKWOPF %INCLUDE member.

The following operator definitions have been added:

<table>
<thead>
<tr>
<th>Operator Definition</th>
<th>DSIOPF Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>AON autotask definition added to DSIOPF include member FKXOPF for DVIPA support</td>
<td>AUTDVIPA OPERATOR PROFILEN PASSWORD=AUTDVIPA EZLPRFAO</td>
</tr>
</tbody>
</table>

**DSIREXCF**

Member DSIREXCF in DSIPRF defines the initialization values for the REXEC Server. It includes logic to extract initialization values from CNMSTYLE. Use the V5R1 copy of DSIREXCF, and update the REXEC statements in CNMSTYLE 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 V5R1 copy of DSIRSHCF, and update the RSH statements in CNMSTYLE to reflect the values previously specified in DSIRSHCF. Do not modify the Data REXX version of DSIRSHCF.

**DSIRTDTD**

DSIRTDTD 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 V5R1 copy of DSIRTDTD, and update the RTT statements in CNMSTYLE to reflect the values previously specified in DSIRTDTD. Do not modify the Data REXX version of DSIRTDTD.
DSIRXPRM

DSIRXPRM contains the REXX initialization parameters required to establish a new REXX environment. DSIRXPRM can be updated using sample job CNMSJMJ11. It is recommended that you use the V5R1 version of DSIRXPRM. If you updated CNMSJMJ11 for your current release, merge those changes into the V5R1 version of CNMSJMJ11 and run it to assemble and link-edit your changes into the DSIRXPRM module.

DSISPNN

DSISPNN is now obsolete.

The NetView program provides a migration tool called SECMIGR that converts any existing VTAMLST and DSISPNN 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. 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 V5R1 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 to include an AUTOCMD statement for your automation table.

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 V5R1 copy of DSITCPCF, and update the MCON statements in CNMSTYLE 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. This statement defines the encryption keys for HTTP server sessions.

DSIWBMEM

Member DSIWBMEM in DSIPARM defines the initialization values for the Web server. It includes logic to extract initialization values from CNMSTYLE. Use the
V5R1 copy of DSIWBMEM, and update the WEB statements in CNMSTYLE 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. DSIZVLSR can be updated by using sample job CNMSJM01. It is recommended that you use the DSIZVLSR module shipped with V5R1. If you updated CNMSJM01 for your current release, merge those changes into the V5R1 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 TCPIP initialization statements for the CNMTAMEL task. It includes logic to extract initialization values from CNMSTYLE. Use the V5R1 copy of DUIFPMEM and update the TAMEL statements in CNMSTYLE 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 V5R1 copy of DUIIGHB, and update the GHB statements in CNMSTYLE to reflect the values previously specified in DUIIGHB. Do not modify the Data REXX version of DUIIGHB.

**FLBSYSD**

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

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

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

Refer to the *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 V5R1, FLCSAINP was the sample initialization file for the MultiSystem Manager. FLCSAINP could be modified and renamed to either FLCAINP or another unique name. In V5R1, 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 V5R1, 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.
Migrating from NetView V1R4

2. Delete the definitions (non-GETTOPO statements) that you migrated to CNMSTYLE.
3. Delete any START_DISCOVERY statements.
4. Delete any GETTOPO NWCPxxx statements.
5. Delete any GETTOPO ATMxxx statements.

Refer to [Tivoli NetView for z/OS MultiSystem Manager User’s Guide](#) for additional information about FLCAINP.

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.V5R1M0.
2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.
3. 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
```

4. 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 Graphic Monitor Facility host subsystem (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.

1. To enable GMFHS to send Japanese text to an NMC console, add the following parameter:

```
JAPANESE=ON
```

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

```
&CNMRODM
```
**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.V5R1M0.

2. If you are using the RODM component and are migrating from a previous release, remove the following statement from the STEPLIB data set concatenation:
   ```plaintext
   //STEPLIB DD DSN=&SQ1..SEKMO1,DISP=SHR
   ```

3. Add the following DD statement to the STEPLIB data set concatenation:
   ```plaintext
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

4. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   ```plaintext
   //EKGLUTB DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```
   to
   ```plaintext
   //EKGLUTB DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

5. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   ```plaintext
   //EKGIN2 DD DSN=&SQ1..SEKGCAS1,DISP=SHR
   ```
   to
   ```plaintext
   //EKGIN2 DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

**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.V5R1M0.

2. For NetView data sets, ensure your high-level qualifier for user-defined data sets points to NETVIEW.V5R1USER.

3. If you are using the RODM component and are migrating from a previous release, remove the following statements from the STEPLIB data set concatenation:
   ```plaintext
   //STEPLIB DD DSN=&SQ1..SEKMO1,DISP=SHR
   //S DD DSN=&SQ1..SEKMO2,DISP=SHR
   ```

4. Add the following DD statement to the STEPLIB data set concatenation:
   ```plaintext
   //STEPLIB DD DSN=&SQ1..CNMLINK,DISP=SHR
   ```

5. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   ```plaintext
   //EKGCUST DD DSN=&SQ1..SEKSM1,DISP=SHR
   ```
   to
   ```plaintext
   //EKGCUST DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```

6. If you are using the RODM component and are migrating from a previous release, change the following statement from:
   ```plaintext
   //EKGLUTB DD DSN=&SQ1..SEKGLUTB,DISP=SHR
   ```
   to
   ```plaintext
   //EKGLUTB DD DSN=&SQ1..CNMSAMP,DISP=SHR
   ```
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7. 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

8. 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

9. If you have not installed the Language Environment for OS/390 run-time library in LNKLISTxx or PROGxx, be sure the library name in the STEPLIB of EKGRXODM is correct and uncommented. Remove DD statements for PL/I or C/C++ run-time libraries because these libraries are no longer being used.

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
- CNMSTGEN
- CNMSTTWR
- DSIAMLTD
- DSICMDU (Data REXX support)
- DSIDMN
- DSIIILGCF
- DSIIILUCTD
- DSIOPF
- DSIREXCF
- DSIRSHCF
- DSIRTTTD
- DSITBL01
- DSITCPCF
- DSILNIT
- DSIWBMEM
- DUILFPMEM
- DUILIGHB
- EZLCFG01
- EZLDSIAO
- FKVCFG01
- FKVISTAO
- FKVTABLE
- FLBAUT
- HELPMap (CNMS1048)
Use of Symbolics in Parameter Files

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

- &CNMTCPN for the TCP/IP application name
- &CNMRODM for the RODM name
- &CNMNETID for the network identifier

Based on the values defined in CNMSTYLE, the NetView program creates several user symbolics that are used in the following parameter files:

- DSIILGCF
- DSIQT5KI
- DSIREXCF
- DSIRSHCF
- DSIERTTID
- DSITCPCF
- DSIVPARM
- DSIWBMEM
- DUIFPMEM
- DUIIGHB
- FLBSYSD
- FLCSAINP

&DOMAIN is an additional NetView user symbolic and is used in the following parameter files:

- CNMSTASK
- CNMSTGEN
- CNMSTPWD
- CNMSTYLE
- DSIAMIAI
- DSIAMII
- DSITBL01
- FLBSYSD

UNIX System Services

The following section describes the directories, configuration files, and functions that have changed from NetView V1R4 to NetView V5R1. Also review the section in "Preparing UNIX System Services" on page 13.

The following directories are no longer used by the USS environment for NetView V5R1:

- /usr/lpp/netview/bin
- /usr/lpp/netview/doc
- /usr/lpp/netview/lib
- /usr/lpp/netview/man
- /usr/lpp/netview/mibs
- /usr/lpp/netview/samples

The following configuration files found in NetView V1R4 are no longer used in NetView V5R1:

- /etc/netview/fkxcm
- /etc/netview/ipdiscovery.conf
- /etc/netview/nv390mibs.def
- /etc/netview/nv390srv.conf
- /etc/netview/snmp.conf
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* /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

NetView V5R1 USS now uses the following directories:
* /usr/lpp/netview/v5r1/bin
* /usr/lpp/netview/v5r1/mibs
* /etc/netview/mibs (for user-defined MIBs and MIBs not shipped with NetView V5R1)
* /etc/netview/v5r1 (application files)
* /tmp/netview/v5r1 (application files)

The following functions are no longer available on USS for NetView V5R1:
* The TCP/IP discovery sample which previously ran on z/OS and OS/390 in USS.¹
* 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 USS environment:
  – SNMPSRVC ²
  – POLLSRVC ²
  – MIBSRVC ²
  – LOADMIB²

Notes:
1. This sample is available for downloading from the Unsupported Tools page at the following Web address:
   http://www.tivoli.com/nv390/
   It is replaced in the product by the TCP/IP discovery function on Linux on zSeries.
2. These services are available through other mechanisms from the NetView Web console and the NMC topology console.

Event/Automation Service Address Space

The sample in this section lists changes for the Event/Automation 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.V5R1M0.
2. Remove the DD statement for the C/C++ run-time library because this library is no longer used.
Chapter 8. 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 V5R1 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 IEFSSNxx, 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 IEFSSNxx member in SYS1.PARMLIB.

- You can adjust the symbolic parameters in the sample CNMPSSI (CNMSJ010) procedures to meet your own installation requirements.

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):

- Ensure that you have specified the proper installation option.
- 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.

Updating CNMSTYLE

CNMSTYLE is a member of DSIPARM that is used during NetView initialization. Changes to the NetView initialization process are made in CNMSTYLE.
The member name for CNMSTYLE is controlled by the value of &NV2I in the NetView start procedure. The NetView default for &NV2I is NM. If you specify a value for &NV2I (xx), NetView will read CxxSTYLE in DSIPARM for initialization parameters. If this member is not found, NetView will read CNMSTYLE instead.

The sample CNMSTYLE member in DSIPARM contains descriptive comments about the functions that can be included in the member. Read the comments and review the defaults.

The recommended way to customize CNMSTYLE is to make global (enterprise) changes to the sample CNMSTYLE, then copy the modified CNMSTYLE to each NetView system. Make system-specific changes to %INCLUDE member CxxSTGEN (where xx is the value of &NV2I). You can code all override statements for CNMSTYLE in this member. Duplicate statements found in CxxSTGEN override earlier statements.

Alternately, you can add all modifications to %INCLUDE member CxxSTGEN (where xx is the value of &NV2I). Code all override statements for CNMSTYLE in this member. Duplicate statements found in CxxSTGEN override earlier statements.

**Note:** If you make changes to CNMSTYLE or its %INCLUDE members while the NetView program is running, recycle NetView to enable the changes. You can also use the RESTYLE command without recycling the NetView program for the following changes to take effect:

- Reread the alert receiver name and recycle the CNMICALRT task.
- Refresh MEMSTORE definitions. This removes from storage all members controlled by MEMSTORE.
- Reread all hardware monitor definitions (NPDA stem values) and recycle the BNJDSERV task.
- Update the NetView Resource Manager (NRM).
- Reread the operator data set prefix. You must also reissue OVERRIDE commands for data sets using the prefix (set in LOGPROF1).
- Reread the parameters for the Visual BLDVIEWS server.

<table>
<thead>
<tr>
<th>If you want information about...</th>
<th>Refer to...</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSTYLE statements</td>
<td>Comments in the CNMSTYLE file and <strong>Tivoli NetView for z/OS Administration Reference</strong></td>
</tr>
<tr>
<td>RESTYLE command</td>
<td><strong>Tivoli NetView for z/OS Command Reference</strong></td>
</tr>
</tbody>
</table>

**Enabling Towers**

The NetView components are activated with TOWER statements in CNMSTYLE. Uncomment the components that you are using:

<table>
<thead>
<tr>
<th>Tower</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA</td>
<td>Enables System Automation for OS/390.</td>
</tr>
<tr>
<td>AON</td>
<td>Enables network automation (AON component).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subtower</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNA</td>
<td>SNA automation (AON/SNA).</td>
</tr>
</tbody>
</table>
Note: The X25 subtower is a subtower of the SNA subtower. It provides X.25 support for AON/SNA.

TCP
TCP/IP automation (AON/TCP).

MSM
Enables the MultiSystem Manager.

Subtower Description

LNM Lan Network Manager feature.

IP IP feature.

OPN Open feature.

NTF NetFinity 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.

AutoBridge Enables the NetView AutoBridge, which provides an MVS-based interface between the NetView program and Information/Management.

An example tower statement follows:

TOWER = *SA *AON *MSM *Graphics MVScmdMgt NPDA *TARA *NLDM *AMI *AutoBridge

To enable a tower or subtower, remove the * before the tower name, and then recycle NetView.

When the tower is enabled, various associated functions are also enabled during initialization. NetView must be recycled for the tower statements to take effect.

Note: You can add data REXX logic to CNMSTGEN to conditionally process definition statements based on whether a particular tower is enabled. An example follows:

```rexx
%> IF tower('towername') THEN
%> DO;
definition statements
%> END;
```

If you use data REXX logic, make sure that all the statements begin in column one. Lines beginning with a blank are considered continuation statements from the previous line. Also, data REXX files must begin with either a /* %DATA */ or /* %LOGIC */ statement.
For AON and MultiSystem Manager, you must also enable the subtowers.

If you want information about...

| AON, hardware monitor, session monitor, 4700 support facility | Refer to...
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MultiSystem Manager subtowers</td>
<td>Tivoli NetView for z/OS Installation: Configuring Additional Component</td>
</tr>
<tr>
<td>MultiSystem Manager subtowers</td>
<td>Tivoli NetView for z/OS Installation: Configuring Graphical Component</td>
</tr>
</tbody>
</table>

**%INCLUDE Members**

The following members are included when CNMSTYLE initializes:

<table>
<thead>
<tr>
<th>%INCLUDE Member</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNMSTPWD</td>
<td>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.</td>
</tr>
<tr>
<td>CNMSTTASK</td>
<td>NetView-provided task statements. Do not modify this member. Instead, include any task statements you want to include directly in CNMSTYLE or CNMSTGEN. The task statements in CNMSTYLE that come after the %INCLUDE for CNMSTTASK override those provided in CNMSTASK.</td>
</tr>
<tr>
<td>CNMSTTWR</td>
<td>Includes style statements from non-NetView towers. Do not edit this member unless specifically instructed by documentation for a tower you are installing.</td>
</tr>
<tr>
<td>C&amp;NV2I.STGEN</td>
<td>You can include additional or modified definition statements in this member, including DATA REXX logic.</td>
</tr>
<tr>
<td>CNMSTNXT</td>
<td>This is reserved for future NetView-supplied CNMSTYLE updates. Do not modify this member.</td>
</tr>
</tbody>
</table>

**Using Symbolics**

Many NetView processes require the RODM name, NetView domain and ACB password. You can use CNMSTYLE to set global variables for these names. The values that you assign to these global variables can be system symbolics from member IEASYMxx in SYS1.PARMLIB or user-specified values.

*Table 34. Symbolics in CNMSTYLE*

<table>
<thead>
<tr>
<th>Symbolic</th>
<th>CNMSTYLE Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RODM Name</td>
<td>RODMname = &amp;CNMRODM.</td>
</tr>
<tr>
<td></td>
<td>Note: This statement is ignored if you are not using RODM.</td>
</tr>
<tr>
<td>NetView domain</td>
<td>DOMAIN=C&amp;NV2I.01 (NetView-supplied default is CNM01)</td>
</tr>
<tr>
<td></td>
<td>Note: This identifier is the access method control block (ACB) name that appears on the VTAM APPL statement.</td>
</tr>
<tr>
<td>TCP name</td>
<td>TCPname=&amp;CNMTCPN.</td>
</tr>
<tr>
<td>Network ID</td>
<td>NetID=&amp;CNMNETID.</td>
</tr>
</tbody>
</table>
Notes:

1. If you specified the NetView domain ID or password in CNMPROC (CNMSJ009), the DOMAIN keyword in CNMSTYLE or the ACBpassword keyword in CNMSTPWD do not have to be coded. If they are coded, they are ignored unless the parameters passed by CNMPROC are null. If the domain password is not specified in CNMPROC (CNMSJ009) or in CNMSTYLE, the DOMAIN name becomes the password.

2. The system symbolics set in IEASYMxx are enabled for all address spaces. Global variables that you set using CNMSTYLE only apply to this NetView address space. For example, if you use IEASYMxx to specify the RODM name in DUIGINIT, your setting in CNMSTYLE must match because GMFHS cannot use the CNMSTYLE value.

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...

<table>
<thead>
<tr>
<th>Security options</th>
<th>Tivoli NetView for z/OS Security Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECOPTS keywords</td>
<td>Tivoli NetView for z/OS Administration Reference</td>
</tr>
</tbody>
</table>

Including Any Additional Task Statements That You Have Written

If you have written any tasks other than those supplied on the distribution tape, include a task definition in CNMSTGEN for each of them.

If you want information about... Refer to...

| TASK statement and reserved task names | Tivoli NetView for z/OS Administration Reference |

Running a Command 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 keyword in CNMSTYLE. 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 clist 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.

AuxInitCmd commands can be used in place of commands that were included in CNME1034 in prior releases of the NetView program.

If you want information about... Refer to...
Creating a command list to run at NetView initialization

Tivoli NetView for z/OS Customization: Using REXX and the NetView Command List Language

Customizing NetView Components in CNMSTYLE

The initialization values for some NetView components are specified in CNMSTYLE. Table 35 shows the NetView component, its primary task name, its initialization member in DSIPARM, and the CNMSTYLE statement prefix for its initialization values.

Table 35. NetView Component Initialization

<table>
<thead>
<tr>
<th>NetView Component</th>
<th>Primary Task Name</th>
<th>Initialization Member</th>
<th>CNMSTYLE Statement Prefix</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNM data transfer</td>
<td>domidLUC</td>
<td>DSILUCTD</td>
<td>LUC.</td>
</tr>
<tr>
<td>Get-host-by task</td>
<td>DUIDGHB</td>
<td>DUIIGHB</td>
<td>GHB.</td>
</tr>
<tr>
<td>Hardware monitor</td>
<td>BNJDSERV</td>
<td>BNJMBSDT</td>
<td>NPDA.</td>
</tr>
<tr>
<td>IP log</td>
<td>DSIIIPLOG</td>
<td>DSIIILGCF</td>
<td>IPLOG.</td>
</tr>
<tr>
<td>LU 6.2 communication</td>
<td>DSIUDST</td>
<td>DSIUINIT</td>
<td>RMTINIT.</td>
</tr>
<tr>
<td>NetView Resource Manager</td>
<td>AUTONRM</td>
<td>n/a</td>
<td>NRM.</td>
</tr>
<tr>
<td>Resource status monitor</td>
<td>CNMTAMEL</td>
<td>DUISFP</td>
<td>TAMEL.</td>
</tr>
<tr>
<td>REXEC server</td>
<td>DSIRXEXEC</td>
<td>DSIREXCF</td>
<td>REXEC.</td>
</tr>
<tr>
<td>RSH server</td>
<td>DSIRSH</td>
<td>DSIRSHCF</td>
<td>RSH.</td>
</tr>
<tr>
<td>Session monitor</td>
<td>DSIAMLUT AAUTSKLP</td>
<td>DSIAMLTD AAUPRMLP</td>
<td>NLDM.</td>
</tr>
<tr>
<td>TCP/IP alert receiver</td>
<td>DSIRTRR</td>
<td>DSIRRTTD</td>
<td>RTT.</td>
</tr>
<tr>
<td>TCP/IP communication for the NetView 3270 management console.</td>
<td>DSITCPIP</td>
<td>DSITCPCF</td>
<td>MCON.</td>
</tr>
<tr>
<td>Visual BLDVIEWS</td>
<td>AUTOVBV</td>
<td>n/a</td>
<td>VBV.</td>
</tr>
<tr>
<td>Web server interface task</td>
<td>DSIWBTSTK</td>
<td>DSIWBMEM</td>
<td>WEB.</td>
</tr>
</tbody>
</table>

If you want information about... Refer to...
CNMSTYLE statements
Tivoli NetView for z/OS Administration Reference
RESTYLE command
Tivoli NetView for z/OS Command Reference

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

148 Installation: Migration Guide
Chapter 9. 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 CNMPSI.
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 to return 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 Clear key to return to the command facility, then enter BR NETLOGA to browse the active network log.
10. Press PF3 to return to the command facility, then enter STATMON to start the status monitor.
11. Press PF3 to return to the command facility, then issue the NPDA command to start the hardware monitor.
12. Issue the ALERTSH command to display the history of alerts recorded on the hardware monitor data base.
13. Press PF3 to return to the command facility, then issue the NLDM command to start the session monitor.
14. Issue the LIST HISTORY LU command to display a historical listing of logical units.
15. Press PF3 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:

• Ensure that the V5R1 modules are active in the system, and that the V5R1 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 Tivoli NetView for z/OS Installation: Configuring Additional Components.
• Complete any tuning and customization tasks your system requires. See Table 36 on page 153 for more information.
Verifying the Migration

- 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.

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 V5R1 application.

<table>
<thead>
<tr>
<th>If you want information about...</th>
<th>Refer to...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Updating NetView for your environment</td>
<td>Tivoli NetView for z/OS Installation: Configuring Additional Component</td>
</tr>
<tr>
<td>Updating NetView for graphics</td>
<td>Tivoli NetView for z/OS Installation: Configuring Graphical Components</td>
</tr>
<tr>
<td>Writing installation exits</td>
<td>Tivoli NetView for z/OS Customization: Using Assembler or Tivoli NetView for z/OS Customization: Using PL/I and C</td>
</tr>
<tr>
<td>Writing command processors</td>
<td>Tivoli NetView for z/OS Customization: Using Assembler or Tivoli NetView for z/OS Customization: Using PL/I and C</td>
</tr>
</tbody>
</table>
Chapter 10. Migrating Graphics

This chapter describes the steps to follow to migrate from NGMF to the NetView management console and to migrate to the NetView V5R1 NetView management console from previous levels of the NMC. For information about migrating Web browser support, refer to the Tivoli NetView for z/OS Customization Guide.

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 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 will not be migrated. They must be redone.

- NGMF server-based command exits.
  These command exits must be recoded, recompiled, and reinstalled into the NMC server.

- NGMF client-based command exits.
  These command exits must be rewritten in Java.

Migrating the NMC Topology Server and Console

You should complete the migration of host NetView V5R1 before migrating the NMC topology server and console.

**Note:** A V5R1 topology server workstation with a NetView V2R4, V3R1, V1R1, V1R2, or V1R3 status focal point host is **not** supported.

In NetView V5R1, some of the flows between the NMC topology console and the NMC topology server were changed, resulting in incompatibility with prior levels. A console at the V5R1 level will only communicate with a server at the V5R1 level, and a server at the V5R1 level will only communicate with consoles at the V5R1 level. Also, the Java environment for the NMC console has been upgraded. Therefore, for each server, you must install the V5R1 level of the NMC topology server at the same time you install the V5R1 level of the NMC topology console on all consoles that communicate with that server.

**If you want information about...** Refer to...

| Migrating the NMC topology console | egvread1.me |
### Graphics

<table>
<thead>
<tr>
<th>If you want information about...</th>
<th>Refer to...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Migrating the NMC topology server</td>
<td>egvread2.me</td>
</tr>
</tbody>
</table>
Chapter 11. 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, follow the steps below to migrate to the NetView V5R1 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 may be some additional installation steps that are needed in order 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 will need to be revisited to ensure that all of the necessary setup has been completed.

Table 37 lists the new functions available when you migrate to the NetView V5R1 program.

Table 37. Available New Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Procedural</th>
<th>Unattended</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMFHS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NetView management console</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MultiSystem Manager</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SNA topology manager</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AON</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

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 may 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. Below is a list of 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
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 V5R1 release. The migration chapter to which you refer depends upon the release of NetView from which you are migrating. Choose the migration chapter from the list below:

- "Chapter 3. Migrating from IBM NetView for MVS Version 3" on page 21
- "Chapter 4. Migrating from TME 10 NetView for OS/390 Version 1 Release 1" on page 47
- "Chapter 5. Migrating from TME 10 NetView for OS/390 Version 1 Release 2" on page 73
- "Chapter 7. Migrating from Tivoli NetView for OS/390 Version 1 Release 4" on page 125

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 below 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.V5R1M0 data set.

Notes:

a. If your customized member is not found in the migration chapter or in the NETVIEW.V5R1M0 data set, the member may have been deleted from V5R1. Refer to the deleted samples information in:

- "Appendix A. Changes from IBM NetView for MVS V3 to TME 10 NetView for OS/390 V1R1" on page 165
- "Appendix A. Changes from IBM NetView for MVS V3 to TME 10 NetView for OS/390 V1R1" on page 165
- "Appendix C. Changes from TME 10 NetView for OS/390 Version 1 Release 2 to Tivoli NetView for OS/390 Version 1 Release 3" on page 199
- "Appendix D. Changes from Tivoli NetView for OS/390 Version 1 Release 3 to Tivoli NetView for OS/390 Version 1 Release 4" on page 225
- "Appendix E. Changes from Tivoli NetView for OS/390 Version 1 Release 4 to Tivoli NetView for OS/5 OS Version 5 Release 1" on page 241

Additionally, the %INCLUDE structure for some NetView definition members (for example, DSICMD and DSIOPF) may have changed. %INCLUDE members from your release may have been renamed in the NetView V5R1 program.

b. If the VxRx sample member has extensive changes to it, use the new V5R1 sample member.

c. If the V5R1 member includes data REXX logic, use the V5R1 copy of the sample member and place your updates on the corresponding statement in CNMSTYLE to reflect your customization. Do not modify the Data REXX sample member.

Data REXX files begin with either a /* %DATA */ or /* %LOGIC */ statement.
Unattended or Procedural Migration

d. If the NETVIEW.VxRxUSER sample member is the same as the
   NETVIEW.V5R1M0 sample member, except for any customization, copy the
   NETVIEW.VxRxUSER member to the NETVIEW.V5R1USER data set.

5. After completing the migration of all of your VxRx customized sample
   members, continue with "Chapter 8. Getting Ready to Start NetView" on
   page 143. This chapter provides further instructions for configuring and starting
   the NetView program.

6. Use "Chapter 9. Verifying the Migration" on page 149 to test your migration.

After you have completed your migration, you may want to activate some of the
new functions available to you. For more information on implementing AON, refer
Tivoli NetView for z/OS Installation: Configuring Additional Components. For more
information on implementing any of the graphics functions, refer to 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 12. Migration Considerations for NetView System Services

NetView System Services refers to the Tivoli NetView for OS/390 V1R4 FMIDs that ship with z/OS V1R2 or higher.

Although there are similarities between the base FMIDs in NetView V5R1 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.

There are two ways to install the NetView program:

- Install the new NetView program into the same SMP/E zones where msys for Operations exists. It is recommended that you read and follow all the instructions listed in Table 39 on page 160 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 allows you migration time by having your old working system available to you while you migrate your old system information. This is the recommended 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 Tivoli NetView for z/OS Installation: Getting Started and Table 39 on page 160.

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 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 Table 38 on page 159.

**Step 2.** Create the DD definitions. You can create a JCL job or use the SMP/E panels to create DD definitions for the following data sets:

<table>
<thead>
<tr>
<th>DD Name</th>
<th>Data Set Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACNMLNKN</td>
<td>netview.v5r1m0.ACNMLNKN</td>
</tr>
<tr>
<td>ACNMUXCL</td>
<td>netview.v5r1m0.ACNMUXCL</td>
</tr>
<tr>
<td>ACNMUXLK</td>
<td>netview.v5r1m0.ACNMUXLK</td>
</tr>
<tr>
<td>ACNMUXMS</td>
<td>netview.v5r1m0.ACNMUXMS</td>
</tr>
<tr>
<td>SCNMLNKN</td>
<td>netview.v5r1m0.SCNMLNKN</td>
</tr>
<tr>
<td>SCNMUXCL</td>
<td>netview.v5r1m0.SCNUMXCL</td>
</tr>
<tr>
<td>SCNMUXLK</td>
<td>netview.v5r1m0.SCNUMXLK</td>
</tr>
<tr>
<td>SCNMUXMS</td>
<td>netview.v5r1m0.SCNUMXMS</td>
</tr>
</tbody>
</table>
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.V5R1E.HFS, <= TARG HFS DATASET
// UNIT=SYSALLDA, <= HFS UNIT TYPE
// VOL=SER=ddddddd, <= 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.V5R1M0.INSTALL creates the HFS mount point directory, <path prefix>/usr/lpp/netview/v5r1/, which is used to mount your target HFS data set that you may 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 OS/390 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 Tivoli NetView for z/OS Version 5 Release 1 is null. Remember that path names in OS/390 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 on page 159.
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 153 at the mount point directory:

```
MOUNT FILESYSTEM('hhhhhh.NETVIEW.V5R1E.HFS')
MOUNTPOINT('<path prefix>/usr/lpp/netview/v5r1/')
TYPE(HFS) MODE(RDWR)
```

The 'hhhhhh.NETVIEW.V5R1E.HFS' is the name of your 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 OS/390 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 BPXPRMxx member of SYS1.PARMLIB. The instructions for modifying your BPXPRMxx member are provided in Tivoli NetView for z/OS Installation: Getting Started.

**Step 6.** Create Hierarchical File System (HFS) directories.

For Tivoli NetView for z/OS Version 5 Release 1, edit and submit sample CNMJMKXE in NETVIEW.V5R1M0.INSTALL, which creates HFS directories for OS/390 UNIX System Services Related Components in NetView. CNMJMKXE must be run by a user ID that has superuser authority (for example, ROOT) and the UNIX System Services component of OS/390 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 two paths:

- `<path prefix>/usr/lpp/netview/v5r1/bin/IBM/`
- `<path prefix>/usr/lpp/netview/v5r1/mibs/IBM/`

**Step 8.** To continue with your SMP/E installation, refer to the SMP/E APPLY section in the Program Directory for 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 is an example:

```
GIM22401I LMOD EZLSTRAC WAS DELETED FROM THE SMPLTS LIBRARY
```

This message can be expected since your old NVSS 1.4 members will be deleted. The APPLY succeeds if you receive a return code of zero.

**Table 38. SMP/E Target and Distribution Libraries**

<table>
<thead>
<tr>
<th>Target/Distribution Library</th>
<th>Member Type</th>
<th>Target Volume</th>
<th>TYPE</th>
<th>ORG</th>
<th>RECFM</th>
<th>LRECL</th>
<th>No. of 3990 Trks</th>
<th>No. of DIR Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCNMLNKN/ACNMLNKN</td>
<td>LMOD</td>
<td>ANY</td>
<td>U</td>
<td>PO</td>
<td>U</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>SCNMXCL/ACNMUXCL</td>
<td>LMOD</td>
<td>ANY</td>
<td>U</td>
<td>PO</td>
<td>VB</td>
<td>516</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>SCNMXLKL/ACNMUXLKL</td>
<td>LMOD</td>
<td>ANY</td>
<td>U</td>
<td>PO</td>
<td>U</td>
<td>188</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>
### Table 38. SMP/E Target and Distribution Libraries (continued)

<table>
<thead>
<tr>
<th>Target/Distribution Library</th>
<th>Member Type</th>
<th>Target Volume</th>
<th>TYPE</th>
<th>ORG</th>
<th>RECFM</th>
<th>LRECL</th>
<th>No. of Trks</th>
<th>No. of Blks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCNMUXMS/ACNMUXMS</td>
<td>LMOD</td>
<td>ANY</td>
<td>U</td>
<td>PO</td>
<td>FB</td>
<td>80</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>CNMCLST/ACNMCLST¹</td>
<td>LMOD</td>
<td>ANY</td>
<td>U</td>
<td>PO</td>
<td>FB</td>
<td>80</td>
<td>1500</td>
<td>70</td>
</tr>
<tr>
<td>CNMPNL1/ACNMPNL1²</td>
<td>LMOD</td>
<td>ANY</td>
<td>U</td>
<td>PO</td>
<td>FB</td>
<td>80</td>
<td>1900</td>
<td>190</td>
</tr>
</tbody>
</table>

Notes:
1. Increasing the size.
2. Increasing the directory blocks.

### After Installing the NetView Program into SMP/E Zones

Table 39 describes additional considerations for installing NetView V5R1 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 V5R1 data set names are prefixed by NETVIEW.V5R1M0.

### Table 39. Additional Considerations

<table>
<thead>
<tr>
<th>Installation Topic</th>
<th>Considerations</th>
</tr>
</thead>
</table>
| 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 PROGxx (or LNKLISTxx and IEAAPFx)  
  • Add ING.SINGMOD2 to your LNKLIST concatenation.  
  • Authorize ING.SINGMOD1  
  • Authorize ING.SINGMOD2  
  Updating member MPFLISTxx  
  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 IEFSSNxx  
  If you are using procedure INGNVAP0 that is supplied with System Automation for OS/390, ensure ING is added to IEFSSNxx. If you are using procedure CNMSI009 that is supplied with NetView V5R1, following the directions in Tivoli NetView for z/OS Installation: Getting Started for updating IEFSSNxx.  
  Updating member COUPLExx  
  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 39. Additional Considerations (continued)

<table>
<thead>
<tr>
<th>Installation Topic</th>
<th>Considerations</th>
</tr>
</thead>
</table>
| 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 V5R1, following the directions in 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:  
//INGALLCO JOB *** location specific information ***  
//STEP1 EXEC PGM=IDCAMS  
//SYSPRINT DD SYSOUT=*  
//SYSPрин DD SYSOUT=*  
/* 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. |
### Installation Topic Considerations

#### Getting Ready to Start NetView

**Updating the NetView start procedure (CNMSJ009)**

- Increase the region size by specifying REG=64000.
- Define a variable &SQ3=ING.
- Update STEPLIB as follows:
  ```
  //STEPLIB DD DSN=&SQ3..SINGMOD1,DISP=SHR
  // DSN=&SQ3..SINGMOD2,DISP=SHR
  // DSN=&SQ1..CMNLINK,DISP=SHR
  ```
- Update DSICLD as follows:
  ```
  //DSICLD DD DSN=&SQ3..SINGNREX,DISP=SHR
  // DSN=&SQ1..CMNCLST,DISP=SHR
  // DSN=&SQ1..CMNSAMP,DISP=SHR
  /*
  DD DSN=SYS1.PROCLIB,DISP=SHR
  */
  ```
- Update DSIPARM as follows:
  ```
  //DSIPARM DD DSN=&Q1..&DOMAIN..DSIPARM,DISP=SHR
  // DSN=&SQ3..SINGNPRM,DISP=SHR
  // DSN=&SQ1..DSIPARM,DISP=SHR
  ```
- Update DSIPRF as follows:
  ```
  //DSIPRF DD DSN=&Q1..&DOMAIN..DSIPRF,DISP=SHR
  // DSN=&SQ3..SINGNPRF,DISP=SHR
  // DSN=&SQ1..DSIPRF,DISP=SHR
  ```
- Update DSIMSG as follows:
  ```
  //DSIMSG DD DSN=&SQ3..SINGNMSG,DISP=SHR
  // DSN=&SQ1..SDSIMSG1,DISP=SHR
  ```
- Update CNMPNL1 as follows:
  ```
  //CNMPNL1 DD DSN=&SQ3..SINGNPNL,DISP=SHR
  // DSN=&SQ1..CNMPNL1,DISP=SHR
  ```
- Add a definition for AOFSTAT as follows:
  ```
  //AOFSTAT DD DSN=&VQ1..&DOMAIN..STATS,
  // DISP=SHR,AMP=AMORG
  ```

**Note:** If you only plan to use msys for Operations and not full NetView V5R1, modify your INGNVAP0 procedure (instead of updating your NetView procedure CNMSJ009) as follows:

- 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 follows:
  ```
  //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
  ```
### Installation Topic Considerations

<table>
<thead>
<tr>
<th>Installation Topic</th>
<th>Considerations</th>
</tr>
</thead>
</table>
| **Getting Ready to Start NetView (continued)** | **Updating CNMSTYLE**  
Refer to [Tivoli NetView for z/OS Installation: Getting Started](#).  
**Note:** If you only plan to use msys for Operations and not full NetView V5R1, update CNMSTYLE as follows:  
- Change the DOMAIN statement to:  
  \[\text{DOMAIN} = &\text{DOMAIN}\]  
- Comment out the NetID statement:  
  \[
  \text{*NetID} = &\text{CNMNetID}
  \]  
- Change the SIIname statement to:  
  \[
  \text{SIIname} = &\text{DOMAIN.SIR}
  \]  
- Change the TOWER statement to include SA. If you do not have a license for System Automation for OS/390, comment out the TOWER.SA statement as follows:  
  \[
  \text{*TOWER.SA} = \text{license}
  \]  
**Updating security definitions**  
Ensure that any security definitions have been moved to the new system as necessary.  
**Migrating AOFUST**  
Migrate your customized AOFUST 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 [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 V5R1, do not start the NetView subsystem address space using job CNMPSSI.  
**Verifying the Installation**  
- Verify that msys for Operations is operational.  
- Verify that NetView V5R1 is operational. For more information, refer to [Tivoli NetView for z/OS Installation: Getting Started](#).  
**Note:** If you only plan to use msys for Operations and not full NetView V5R1, only verify that msys for Operations is operational.  

For information on enabling additional functions, refer to the [Tivoli NetView for z/OS Installation: Configuring Additional Components](#) and [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 [Tivoli NetView for z/OS Installation: Configuring Additional Components](#).
Appendix A. Changes from IBM NetView for MVS V3 to TME 10 NetView for OS/390 V1R1

This appendix lists new, changed, and deleted:

- “Help Panels”
- “Command Lists” on page 167
- “Messages” on page 167
- “Samples” on page 183

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

The help desk facility has been rewritten. It now uses the same facilities as the new message and command help.

Changed Help Panels

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Command Lists

This section lists new, changed, and deleted command lists for migration considerations.

- "New Command Lists"
- "Changed Command Lists"
- "Deleted Command Lists"

New Command Lists

- CNME1098
- CNME1099
- CNME1100
- CNME2011

Changed Command Lists

- CNME0015
- CNME0030
- CNME1001
- CNME1023
- CNME1026
- CNME1505
- CNME2003
- CNME2007
- CNME5001
- CNME8004

Deleted Command Lists

None

Messages

This appendix lists the new, changed, and deleted messages for migration from a previous release of the NetView program:

- "New Messages"
- "Changed Messages” on page 173
- "Deleted Messages” on page 182

Please make any changes necessary to your automation table. Refer to online messages for a listing of the complete message.

New Messages

- AAU974I: UNKNOWN CP NAME cpname
- AAU975I: domainid
- AAU976I: priname pritype pridom pritakg secname sectype sectdom sectakg starttim endtim pcid sensecd reasoncd xrftype dlurs applrecv epchg
- AAU977I: senstext
- BNH058I: THE SPECIFIED WRAP COUNT OF WrapCnt EXCEEDS THE MAXIMUM ALLOWABLE VALUE OF MaxWrapCnt. MaxWrapCnt IS USED INSTEAD.
- BNH059I: YOUR HOST NETVIEW IS DOWN-LEVEL WITH RESPECT TO THE REMOTE NETVIEW WITH WHICH YOU ARE IN SESSION, AND CANNOT DISPLAY THE CORRECT ALERT WRAP COUNT. THE CORRECT ALERT WRAP COUNT IS WrapCnt.
- BNH102I: IMPROPER MSU RECEIVED BY NETVIEW. SNA SENSE CODE IS X'sensecod'.
BNH116I  IMPROPER MSU RECEIVED BY NETVIEW. OFFSET TO BYTE WHERE THE PARSE FAILURE WAS DETECTED IS offset.
BNH117I  HARDWARE MONITOR DETECTED INCOMPATIBLE DATABASE DatabaseName.
BNH150I  format/action OUTPUT FOR 'application' RECEIVED FROM attachname.
BNH151E  TOO MANY direction STREAMS WERE DEFINED.
BNH152E  INSUFFICIENT direction DATA STREAMS PROVIDED.
BNH153E  'label' IS AN UNDEFINED LABEL.
BNH154E  'label' IS A DUPLICATE LABEL.
BNH155E  PIPELINE 'name' IS CLOGGED.
BNH156E  KEYWORD keyword CAN ONLY BE USED WITHIN A PHRASE.
BNH157E  KEYWORD keyword CANNOT BE USED WITHIN A PHRASE.
BNH158E  order ORDER MISSING.
BNH160I  taskid LEFT nnnn BYTES OF STORAGE, TOTAL=mmmm
BNH161I  'keyword' = 'value' LIMIT REACHED FOR TASK 'opid' luname
BNH162I  THE domainid BELOW 16M STORAGE IS nn% USED, mmmK IS LEFT
BNH163I  THE domainid ABOVE 16M STORAGE IS nn% USED, mmmK IS LEFT
BNH164I  'object' CANNOT BE USED WITH 'function'
BNH165I  'taskname' LEFT nnn BYTES OF STORAGE ON MESSAGE QUEUES
BNH170I  CONFLICTING VALUES SPECIFIED FOR CTL AND NGMFVSPN ATTRIBUTES FOR OPERATOR 'operid'. 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
BNH180I  SPAN SECURITY SETTINGS: SPANAUTH=value1, SPANTBL=value2
BNH281A  ERROR PROCESSING JCL EXEC STATEMENT PARAMETER insert1
BNH282A  ARM REGISTRATION FAILED WITH RETURN CODE insert1, REASON CODE insert2
BNH283I  MAKE A SELECTION USING CURSOR OR SELECTION CODE AND PRESS ENTER.
BNH284E  command REQUEST IGNORED. function SUPPORT IS NOT INSTALLED.
BNH285I  THE original COMMAND ENCOUNTERED AN ERROR WHEN
PROCESSING THE `imbedded` COMMAND. MESSAGE `msgid` FOLLOWS WITH ADDITIONAL INFORMATION

BNH286E IMPROPER DATE OR TIME TEMPLATE `template'`. REASON CODE IS `reason_code`.

BNH287E CORRUPT DATA BASE `DataBaseName' DETECTED BY `ComponentName' COMPONENT

BNH295I TOP OF LOG ENCOUNTERED

BNH296I BOTTOM OF LOG ENCOUNTERED

BNH297I OUTSTANDING REQUEST HAS BEEN CANCELLED

BNH298I TARGET NETVIEW PRIOR TO `ver_rel` DOES NOT SUPPORT THE `command` REQUEST

BNH300E THE MAXIMUM LENGTH OF A STATEMENT WAS EXCEEDED IN THE NETVIEW SPAN TABLE

BNH301E AN UNRECOGNIZED STATEMENT TYPE `type` WAS FOUND IN THE NETVIEW SPAN TABLE

BNH302E A 'SPANDEF' STATEMENT FORMAT IN THE NETVIEW SPAN TABLE IS NOT VALID.

BNH303E A 'SPANSYN' STATEMENT FORMAT IN THE NETVIEW SPAN TABLE IS NOT VALID.

BNH304E THE LAST STATEMENT IN THE NETVIEW SPAN TABLE DOES NOT END WITH A SEMICOLON

BNH305E A GENERIC SPECIFICATION WAS USED INCORRECTLY IN THE NETVIEW SPAN TABLE

BNH306E THE NETVIEW SPAN TABLE CONTAINS NO VALID STATEMENTS

BNH307E THE NETVIEW SPAN TABLE `tablename` DOES NOT EXIST

BNH308E THE RESOURCE NAME `resource_name` SPECIFIED IN THE NETVIEW SPAN TABLE HAS AN INCORRECT LENGTH

BNH309E THE SPAN NAME `span_name` SPECIFIED IN THE NETVIEW SPAN TABLE HAS AN INCORRECT LENGTH

BNH310E THE VIEW NAME `view_name` SPECIFIED IN THE NETVIEW SPAN TABLE HAS AN INCORRECT LENGTH

BNH311I `member_name : sequence_number : statement_in_error`

BNH312E REQUIRED KEYWORD MISSING FROM A 'SPANDEF' STATEMENT IN THE NETVIEW SPAN TABLE

BNH313E AN UNRECOGNIZED KEYWORD `keyword` WAS FOUND ON A 'SPANDEF' STATEMENT IN THE NETVIEW SPAN TABLE

BNH314E AN INCORRECT SYNONYM USAGE OF `synonym_name' WAS FOUND IN THE NETVIEW SPAN TABLE

BNH315E SYNONYM SUBSTITUTION CHARACTER `%' FOUND WITHOUT MATCHING END CHARACTER IN THE NETVIEW SPAN TABLE

BNH316E THE SYNONYM NAME ON A SPANSYN STATEMENT IN THE NETVIEW SPAN TABLE IS TOO LONG

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Changes from NetView V3R1

BNH317E  THE SYNONYM 'synonym_name' WAS ALREADY DEFINED IN
          THE NETVIEW SPAN TABLE

BNH318I  SPAN spanname IS NOT DEFINED TO NETVIEW IN tablename

BNH319E  AN OMIT LIST WAS SPECIFIED INCORRECTLY IN THE
          NETVIEW SPAN TABLE

BNH320E  NETVIEW SPAN TABLE tblname HAS BEEN INITIALIZED WITH
          ERRORS

BNH321I  NETVIEW SPAN TABLE tblname HAS BEEN INITIALIZED

BNH322E  NETVIEW SPAN TABLE tblname INITIALIZATION FAILURE

BNH323I  TEST OF NETVIEW SPAN TABLE tblname COMPLETED WITH
          ERRORS

BNH324I  TEST OF NETVIEW SPAN TABLE tblname COMPLETED SUCCESSFULLY

BNH325W  VALUE value WAS CHOSEN FOR KEYWORD keyword BUT THE
          tablename TABLE HAD BEEN DELETED OR WAS EMPTY, SPAN
          OF CONTROL IS NOT DEFINED IN NETVIEW

BNH326E  AN ESCAPE CHARACTER (') WAS FOUND IN THE NETVIEW
          SPAN TABLE WITHOUT A SUBSEQUENT RESERVED
          CHARACTER

BNH327E  A DUPLICATE KEYWORD 'keyword' WAS SPECIFIED IN THE
          NETVIEW SPAN TABLE

BNH328E  MISMATCHED SHIFT-IN OR SHIFT-OUT DBCS CHARACTERS
          WERE FOUND IN THE NETVIEW SPAN TABLE

BNH329E  AN ODD NUMBER OF DOUBLE-BYTE CHARACTERS WERE
          SPECIFIED IN THE NETVIEW SPAN TABLE

BNH331E  A SPAN NAME CONTAINS AN INCORRECT CHARACTER IN
          THE NETVIEW SPAN TABLE

BNH333E  THE OMIT NAME 'omit_name' IS NOT A POSSIBLE SUBSET OF
          THE type NAME 'name' IN THE NETVIEW SPAN TABLE

BNH334I  REQUESTED ACCESS to name DENIED FOR operid. RETURN
          CODE = rc

BNH335I  A SPAN TABLE DOES NOT EXIST

BNH350E  NETVIEW HIGH-LEVEL LANGUAGE SUPPORT HAS BEEN
          SUCCESSFULLY INITIALIZED WITH env LIBRARIES

BNJ066I  record IS IGNORED. AN IMPROPER DATA TYPE WAS DETECTED

BNJ143I  PURGE/PRGATT FAILED BECAUSE ANOTHER PURGE IS IN
          PROGRESS

BNJ1965I  KEYWORD 'keyword' IS NOT ALLOWED WITH THE PRGATT
          COMMAND.

BNJ1966I  DOWN-LEVEL TARGET NETVIEW DOES NOT CONTAIN A
          GMFALERT DATABASE.

CNM927I  ENTER “HALF”, “MAX”, “PAGE”, “CSR”, OR A NUMBER IN
          THE SCROLL INPUT FIELD
Changes from NetView V3R1

DSI167E ERROR OCCURRED SCANNING AT POSITION position, PREVIOUS TEXT: "text".
DUI3904I GMFHS DOMAIN MISSING FROM INITIALIZATION PARAMETERS.
DUI3912E AN ERROR WAS ENCOUNTERED INITIALIZING GMFHS METHODS.
DUI3966I DOMAIN domainid HAS MYNAME VALUE myname env.
DUI3983I FG 36 -- VIEW MYNAME -- FOLLOWS
DUI3984I VIEWMYNAME - viewmyname
DUI3985I GTF IS SPECIFIED FOR OUTPUT, BUT GTF IS NOT ACTIVE
DUI3986I RECORDING TO GTF FAILED WITH RETURN CODE retcode
DUI3987I RECORDING TO GTF HAS RESUMED
DUI3988I FG 35 -- CLASS NAME -- FOLLOWS
DUI3989I CLASSNAME - classname

DWO616I command REQUEST NOT PERFORMED BY ID node FOR (APPL | STATION | LINE | PORT) = '(name | number)', SENSE CODES = X'codes' FUNCTION NOT SUPPORTED FOR FAILED LINE

EKG1118I jobname: THERE ARE uapi_number UAPI REQUESTS AND asyn_number ASYNCHRONOUS REQUESTS AHEAD OF THE CHECKPOINT REQUEST.
EKG1119I jobname: THERE ARE uapi_number UAPI REQUESTS AND asyn_number ASYNCHRONOUS REQUESTS AHEAD OF THE TERMINATION REQUEST.
EKG1301E jobname: THERE ARE uapi_number UAPI REQUESTS AND asyn_number ASYNCHRONOUS REQUESTS AHEAD OF THE CHECKPOINT REQUEST.
EKG1329E jobname: THE QUIESCENCE WAIT TASK CANNOT BE CREATED. RETURN CODE retcode IS RETURNED FROM SYSTEM MACRO macro.
EKG2303E ONE ENVIRONMENT FOR THE RODM USER API COULD NOT BE REINITIALIZED. THE IDENTIFIER IS identifier
EKG2304I jobname: THE command_name COMMAND IS COMPLETE.
EKG2305I jobname: A RODM DUMP WAS PREVENTED BECAUSE THE RODM DUMP LIMIT IS EXCEEDED FOR APPROXIMATELY THE NEXT num_of_minutes MINUTES.

FLB300W SNA TOPOLOGY MANAGER IS RE-INITIALIZING
FLB301E RODM ERROR ENCOUNTERED ON RODM FUNCTION type OBJECTID X'objectid' RETURN CODE rc REASON CODE xx
FLB302E MONITORING OF SNA type FROM RESOURCE resource FAILED DUE TO SNA TOPOLOGY MANAGER OR RODM PROCESSING ERROR
FLB303W MONITORING OF SNA type FROM RESOURCE resource IS BEING RETRIED
Changes from NetView V3R1

FLB304E MONITORING OF SNA type FROM RESOURCE resource FAILED AND HAS EXCEEDED THE ERROR RETRY LIMIT

FLB305E MONITORING OF SNA type FROM RESOURCE resource FAILED DUE TO STORAGE SHORTAGE

FLB467E TOPOSNA command COMMAND REQUIRE S A SINGLE VALUE FOR KEYWORD 'keyword'

FLB492I 'CLASS' KEYWORD ONLY APPLIES TO THE 'SIGNS', 'UPDATE', AND 'RODM' TRACE CATEGORIES, 'CLASS' KEYWORD IS IGNORED

FLB493I ERROR RETRY LIMIT: limit

FLB505I SNA TOPOLOGY MANAGER TRACE MODE IS tracemode

FLB506I SNA TOPOLOGY MANAGER INTERNAL TRACE BUFFER SIZE IS size PAGES

FLB508I SNA TOPOLOGY MANAGER TRACE CLASS class IS status

FLB516I

FLB517W 'CLASS' KEYWORD SPECIFIED WITHOUT 'ON' OR 'OFF' KEYWORD. NO ACTION PERFORMED.

FLB520I RODM RETRY INTERVAL: interval

FLB521I RODM RETRY LIMIT: limit

FLB524I keyword KEYWORD RANGE MUST BE value1 THROUGH value2, keyword KEYWORD IGNORED

FLB525I SNA TOPOLOGY MANAGER TRACE MODE IS EXTERNAL, 'SIZE' KEYWORD IGNORED

FLB528I CMIP SERVICES RETRY INTERVAL: interval

FLB529I CMIP SERVICES RETRY LIMIT: limit

FLB532I SNA TOPOLOGY MANAGER INTERNAL TRACE TABLE SIZE CHANGED TO number PAGES

FLB533W SNA TOPOLOGY MANAGER INTERNAL TRACE TABLE SIZE WAS NOT CHANGED

FLB553I SNA TOPOLOGY MANAGER STORAGE POOL STATISTICS FOLLOW

FLB554I STORAGE SIZE ALLOCATED USED ALLOCATED USED %

FLB555I TYPE IN BYTES COUNT COUNT STORAGE-K STORAGE-K USED

FLB556I

FLB557I storagetype size allocated-count used-count allocated-storage used-storage percentage-used

FLB558I END OF STORAGE POOL STATISTICS-------------------------------------

FLB566E SNA TOPOLOGY MANAGER DETECTED A DOUBLE FREE AT ADDRESS hexaddr FOR STORAGE TYPE storagetype

FLB567E SNA TOPOLOGY MANAGER DETECTED A TYPE STORAGE OVERLAY AT ADDRESS hexaddr FOR STORAGE TYPE storagetype
Changes from NetView V3R1

Changed Messages

BNH054I  PLEASE WAIT. PROCESSING YOUR REQUEST...

BNH073W  THE REFRESH COMMAND CANNOT BE PROCESSED BECAUSE THERE ARE NO VALID OPERATOR DEFINITIONS IN DSIOPF

BNH082I  synname IS A COMMAND SYNONYM FOR cmdname

BNH191I  OPERATOR SECURITY SETTINGS: OPERSEC=value1, OPSPAN=value2

BNH193I  COMMAND SECURITY SETTINGS: CMDAUTH=value1, AUTHCHK=value2, TBLNAME=value3, BACKTBL=value4, SAFNODEC=value5

BNH194E  KEYWORD keyword IS MISSING

BNH201E  KEYWORD keyword IS SPECIFIED ON MORE THAN ONE OPTIONS STATEMENT. ORIGINAL SETTING OF value IS USED.

BNH216E  KEYWORD keyword CANNOT BE REFRESHED TO VALUE value

BNH280I  applid IS AN INVALID OR NONEXISTENT APPLICATION ID FOR THIS REQUEST

BNJ278I  ERROR DURING PROCESSING BY INFO/MANAGEMENT. REASON CODE IS reason.

BNJ1301I  INVALID RESOURCE NAME resname ENTERED (MUST BE LEVEL 3, 4 OR 5)

BNJ1305I  KEYWORD FOR DATA TYPE IS INVALID - SHOULD BE ‘EV’ OR ‘ST’

BNJ1910I  PURGE/PRGATT/SWRAP FAILED BECAUSE ANOTHER PURGE/PRGATT/SWRAP IS IN PROGRESS

CNM078I  “timertype” IS AN INVALID TIMER TYPE ON TYPE T OR TYPE M STATEMENT.

CNM210I  INCORRECT TIME OPERAND ‘invalid_time’. PLEASE RETRY

CNM249E  request : NO DATA FOUND FOR ‘subject’

CNM342I  command : CODE 32 - AN UNRECOVERABLE ERROR RESULTED FROM A MACRO INVOCATION IN THE VIEW COMMAND PROCESSOR.

CNM439I  VTAM HAS ENCOUNTERED AN ABEND DURING A PROGRAM CALL TO THE NETVIEW ADDRESS SPACE WHICH HAS TERMINATED

CNM577I  CONSOLE conname DOES NOT HAVE ACCESS TO NETVIEW

CNM934I  INVALID QUOTED STRING ENCOUNTERED

DSI001I  MESSAGE SENT TO target

DSI012I  MORE THAN ONE OPTIONS CARD ENCOUNTERED IN object

DSI030I  I/O ERROR READING object

DSI031I  SPECIFIED NAME ‘name’ INVALID
Changes from NetView V3R1

DSI033I  session  SESSION STARTING FOR operatorid

DSI040I  session  SESSION RESTARTING FOR operatorid

DSI041I  object  ALREADY ACTIVE OR IN PROCESS OF BECOMING ACTIVE

DSI042I  object  RESOURCE NOT AVAILABLE

DSI044I  UNABLE TO RESTART SESSION FOR object. SIMLOGON FAILED
- RTNCD = X'vtamrcd' FDBK2 = X'vtamfb' SENSE = X'vtamsens'

DSI046I  UNABLE TO START SESSION FOR object. macro FAILED - RTNCD = X'vtamrcd' FDBK2 = X'vtamfb' SENSE = X'vtamsens'

DSI048A  OPERATOR STATEMENT IS INVALID IN object

DSI049A  PROFILEN STATEMENT IS INVALID IN object

DSI056I  object  SESSION STOPPING FOR operatorid

DSI079I  COMMAND MODULE name NOT IN NCCF COMMAND TABLE

DSI084I  OPEN FAILED FOR NCCF object name {NCCFLST}

DSI085I  READ ERROR OCCURRED ON NCCF object name {NCCFLST}

DSI092I  INVALID VALUE SPECIFIED IN object - DEFAULT IN USE

DSI093I  OPERATOR STATEMENT WITH NO PROFILEN STATEMENTS ON object

DSI094I  PROFILEN STATEMENT WITH NO PRECEDING OPERATOR STATEMENT ON object

DSI095I  INVALID LENGTH FOUND ON A SPECIFIED FIELD IN object

DSI096I  CMDMDL NOT FIRST STATEMENT IN object

DSI097I  CLOSING PARENTHESIS MISSING FOR SPAN OPERAND IN object

DSI098I  INVALID SPAN PARAMETER ENCOUNTERED IN object

DSI099I  MAXIMUM NUMBER OF SPANS EXCEEDED FOR ONE RESOURCE IN object

DSI101I  DOMAINID REQUIRED AND NOT SPECIFIED TO NCCF IN object

DSI102I  INVALID PASSWORD OR NO PASSWORD SPECIFIED ON OPERATOR STATEMENT IN object

DSI122I  NCCF IN SHUTDOWN MODE - CLOSE NORMAL REQUESTED BY operatorid

DSI128I  GENCB FOR TASK cblock FAILED - REGISTER 0 = X'code'
- REGISTER 15 = X'code'. action ABORTED FOR tasktype node

DSI129I  STORAGE UNAVAILABLE FOR TASK CONTROL BLOCKS. action ABORTED FOR tasktype node

DSI144I  NSEXIT ENTERED FOR action RU. SESSION TERMINATED BETWEEN primaryappl AND secondaryappl

DSI148I  SEVERE ERROR - INVALID VALUE SPECIFIED FOR KEYWORD keyword
Changes from NetView V3R1

DSI150I  WARNING - TPROC OR SVC KEYWORD ON ACCESS STMT IN object IGNORED FOR ACCESS METHOD VTAM

DSI154I  WARNING - TASK STMT KEYWORD keyword IN ERROR IN object, TASK WILL NOT BE ATTACHED

DSI155I  WARNING - TSKID VALUE SPECIFIED IN object IS NOT UNIQUE, TASK WILL NOT BE ATTACHED

DSI156I  WARNING - TASK STMT KEYWORD keyword IN ERROR IN object, DEFAULT VALUE IN USE

DSI157I  INVALID KEYWORD keyword ENCOUNTERED ON THE FOLLOWING STMT IN object

DSI158I  WARNING MOD AND TSKID KEYWORDS WITH VALID VALUES ARE REQUIRED ON TASK STMT in object, TASK WILL NOT BE ATTACHED

DSI163I  function FUNCTION NOT SUPPORTED FOR operatorid

DSI167E  ERROR OCCURRED SCANNING AT POSITION position, PREVIOUS TEXT: 'text'.

DSI172I  SUBTASK 'subtask' ABENDED WITH CODE X'code'

DSI185I  statement STMT OUT OF SEQUENCE IN file

DSI195I  COMMAND LIST cmdlist WARNING - command STATEMENT NOT VALID FOR TASK TYPE: type

DSI206I  COMMAND LIST cmdlist TERMINATED - COMMAND LIST FUNCTION function INVALID FOR TASK TYPE: type

DSI211I  MORE THAN ONE statement STATEMENT ENCOUNTERED IN object - IGNORED

DSI212I  REQUIRED LABEL FOR statement STATEMENT MISSING IN DSICMD

DSI213I  ACCESS TO 'object' IS NOT AUTHORIZED

DSI220I  INVALID VALUE SPECIFIED FOR keyword IN object - DEFAULT VALUE value USED

DSI229I  INVALID VALUE ON DEFINITION STATEMENT IN object - STATEMENT IGNORED

DSI240I  task : LOG logtype IS NOW ACTIVE

DSI245I  TRACE COMMAND NOT PROCESSED: PRIOR TRACE COMMAND COMPLETING FOR target

DSI252I  taskid : INVALID RECEIVE TYPE FROM ACCESS METHOD RECEIVE REQUEST - CID = cid, DATA TYPE = type

DSI253I  taskid : INVALID DATA RECEIVED FROM ACCESS METHOD RECEIVE REQUEST - CID = cid, DATA TYPE = type

DSI255I  taskid : GENCB FAILED FOR cblock - REGISTER 15 = X'code' REGISTER 0 = X'code'

DSI259E  CHANGE FOCAL POINT COMMAND FOR nodeid FAILED - THE task TASK IS NOT ACTIVE

DSI265I  parameter PARAMETER INVALID ON command COMMAND

DSI266I  INVALID NUMBER OF PARAMETERS ON command COMMAND
Changes from NetView V3R1

DSI280I  
command FOR DEVICE device NOT PRECEDED BY A CCPLOADI COMMAND

DSI297E  
INVALID INCLUDE CARD IN MEMBER object. RC = reason

DSI310I  
CCPDR TYPE type FOR DEVICE device NOT PRECEDED BY A CCPDR TYPE F

DSI312I  
target TESTED WAS identifier. TEST ID WAS testid

DSI319I  
REPLACE DCE CABLE ON target identifier

DSI323I  
target BUSY. ON-LINE TEST WAS NOT RUN

DSI335I  
command CHANGE FOR ID = name1 FAILED. VALUE value INVALID FOR target = name2, SENSE CODES = X'codes'

DSI336I  
LOAD FAILED FOR NCCF MODULE module IN object

DSI338I  
LPDA DISPLAY FOR ID = deviceid, target = name

DSI339I  
LPDA FOR STATION = status

DSI341I  
command FAILED FOR ID = name1. INVALID target = 'name2', SENSE CODES = X'codes'

DSI342I  
DEVICE NAME name1 ON command DIFFERENT FROM DEVICE NAME name2 ON PRECEDING CCPLOADI

DSI343I  
DEVICE NAME name1 ON CCPDR TYPE type DIFFERENT FROM DEVICE NAME name2 ON PRECEDING CCPDR TYPE F

DSI346I  
PORT=portnumber PROTOCOL= protocol

DSI347I  
MAX. SPEED=linespeed CURRENT SETTING=setting

DSI348I  
LINK=type SNBU=value

DSI349I  
PORT=portnumber LPDA=value

DSI415I  
END OF object ERROR DISPLAY

DSI422I  
codetype CODE = X'code' REASON = errortext

DSI429I  
command REQUEST NOT PERFORMED BY ID nodename, SENSE CODES = X'codes' FUNCTION status

DSI449I  
ALL sesstype SESSIONS ENDING

DSI454I  
object=identifier SPECIFIED FOR command COMMAND IS NOT AUTHORIZED FOR THIS OPERATOR

DSI478I  
CANNOT END SESSION object=identifier - TERMSESS NOT SCHEDULED - REGISTER 15=X'code' REGISTER 0=X'code'

DSI483I  
NO SESSION EXISTS TO object = 'identifier'

DSI484I  
NO sesstype SESSION ACTIVE TO object = 'identifier'

DSI495I  
sesstype SESSION(S) FOR object=identifier ENDING

DSI496I  
sesstype SESSION BETWEEN APPLID=applid AND SRCLU=srclu ENDED

DSI498I  
SRCLU HAS BEEN DEFAULTED TO SRCLU=srclu FOR FLSCN SESSION TO APPLID=applid

DSI517I  
command IGNORED, NO OTHER APPLICATION IS ACTIVE

DSI527I  
task : SYNTAX ERROR: 'object' INVALID IN 'statement'
<table>
<thead>
<tr>
<th>Code</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSI538I</td>
<td>task: CNMI ERROR DURING action PROCESSING - RTNCD = X'vtamrcd' FDBK2 = X'vtamfb' SENSE = X'vtamsens'</td>
</tr>
<tr>
<td>DSI551I</td>
<td>task: ERROR OCCURRED DURING VSAM 'action' PROCESSING IN 'object'</td>
</tr>
<tr>
<td>DSI555I</td>
<td>task: VSAM 'action' MACRO ERROR RETURN CODE = X'code' ERRCODE = X'code'</td>
</tr>
<tr>
<td>DSI604I</td>
<td>OPERAND 'object' INVALID</td>
</tr>
<tr>
<td>DSI608I</td>
<td>key keyno keyact, action commandtext setappl</td>
</tr>
<tr>
<td>DSI617I</td>
<td>MAXIMUM NUMBER OF CMDSYN'S FOR command EXCEEDED in object</td>
</tr>
<tr>
<td>DSI626I</td>
<td>LOAD FAILED FOR module, LOGON ABORTED</td>
</tr>
<tr>
<td>DSI628I</td>
<td>keyword=value IS NOT VALID FOR module in object.</td>
</tr>
<tr>
<td>DSI629I</td>
<td>CONFlict BETWEEN ATTRIBUTES OF 'command1' AND 'command2', RES=Y IS ASSUMED</td>
</tr>
<tr>
<td>DSI645I</td>
<td>MESSAGE STRING/GROUP ID 'string' DROPPED</td>
</tr>
<tr>
<td>DSI650I</td>
<td>INVALID SYNTAX: 'operand'</td>
</tr>
<tr>
<td>DSI651I</td>
<td>KEYWORD MISSING - ONE OF FOLLOWING REQUIRED:</td>
</tr>
<tr>
<td></td>
<td>keywords</td>
</tr>
<tr>
<td>DSI664I</td>
<td>HARDCOPY hclname ALREADY ACTIVE USING logmode LOGMODE</td>
</tr>
<tr>
<td>DSI669I</td>
<td>NO FOCAL POINTS DEFINED : TYPE type</td>
</tr>
<tr>
<td>DSI676I</td>
<td>descriptor OPERATOR ID SPECIFIED ON OPERATOR STATEMENT IN object</td>
</tr>
<tr>
<td>DSI709I</td>
<td>task: ALIAS TABLE BUILD FAILED FOR object=name {NCCFLST} - LOAD FAILED FOR MODULE=module.</td>
</tr>
<tr>
<td>DSI710I</td>
<td>task: ALIAS TABLE BUILD FAILED FOR object=name {NCCFLST}, I/O ERROR ON ALIAS FILE</td>
</tr>
<tr>
<td>DSI711I</td>
<td>task: ALIAS TABLE BUILD FAILED FOR object=name {NCCFLST}, INSUFFICIENT STORAGE</td>
</tr>
<tr>
<td>DSI712I</td>
<td>task: ALIAS TABLE BUILD FAILED FOR RECORD TYPE = type, LABEL = recordlabel, FROM object = name {NCCFLST} - INVALID SEQUENCE</td>
</tr>
<tr>
<td>DSI713I</td>
<td>task: ALIAS TABLE BUILD FAILED FOR RECORD TYPE = type, LABEL = recordlabel, FROM object = name {NCCFLST} - INSUFFICIENT STORAGE</td>
</tr>
<tr>
<td>DSI714I</td>
<td>task: ALIAS TABLE BUILD FAILED FOR RECORD TYPE = type, LABEL = recordlabel, FROM object = name {NCCFLST} - DUPLICATE ENTRY</td>
</tr>
<tr>
<td>DSI715I</td>
<td>object NOT PROCESSED. task: ALIAS object NAME INVALID, LABEL = 'recordlabel'</td>
</tr>
<tr>
<td>DSI716I</td>
<td>task: INVALID DELIMITER ON ALIAS DEFINITION STATEMENT. LABEL = recordlabel, TYPE = type</td>
</tr>
</tbody>
</table>
Changes from NetView V3R1

DSI719I  task: REQUIRED PARAMETER MISSING. RECORD TYPE = type,
LABEL = recordlabel, object = name {NCCFLST}

DSI720I  task: ALIAS RECORD TYPE NOT RECOGNIZED IN object = name
{NCCFLST}, LABEL = recordlabel

DSI721I  task: ALIAS RECORD CONTAINS INVALID DATA. LABEL =
recordlabel, PARAMETER = parm, object = name {NCCFLST}

DSI722I  task: ALIAS TABLE BUILD FAILED for object = 'name'
{NCCFLST}, NOT FOUND

DSI723I  task: ALIAS TABLE BUILD FAILED (INSUFFICIENT STORAGE)
WHILE PROCESSING object = name {NCCFLST} OF
NETWORK=networkid

DSI731I  action REQUEST UNSUCCESSFUL. ALIAS DATA SERVICES TASK
NOT ACTIVE

DSI732I  action REQUEST UNSUCCESSFUL. INSUFFICIENT STORAGE -
NAME /object. = name {NCCFLST}

DSI733I  action REQUEST UNSUCCESSFUL - INTERNAL ERROR. SENSE =
X'code', NAME/object=name {NCCFLST}

DSI734I  INQUIRY REQUEST UNSUCCESSFUL. ORIGNET = networkid
NOT DEFINED - NAME = name {NCCFLST}

DSI737I  UPDATE REQUEST UNSUCCESSFUL. NETWORK ID = 'networkid'
NOT FOUND FOR object = name {NCCFLST}

DSI738I  COUNT OF RECORDS DELETED FOR UPDATE OF object = name
{NCCFLST} - LU = nn, COS = nn, MODE = mm

DSI739I  UPDATE REQUEST UNSUCCESSFUL FOR object = name
{NCCFLST}, I/O ERROR

DSI740I  UPDATE REQUEST UNSUCCESSFUL FOR object = name
{NCCFLST}, NOT FOUND

DSI741I  UPDATE REQUEST UNSUCCESSFUL FOR object = name
{NCCFLST}, INSUFFICIENT STORAGE

DSI742I  UPDATE REQUEST UNSUCCESSFUL FOR object = name
{NCCFLST}, LOAD FAILURE FOR DSIATBLD

DSI743I  INQUIRY DATA - name = resource, ORIGNET = networkid, TYPE =
type TARGNET = networkid

DSI744I  INQUIRY RESULT - name = translatedname, TARGNET = networkid
CDRM = cdrmname

DSI745I  action REQUEST UNSUCCESSFUL. DUPLICATE KEYWORD
ENCOUNTERED - keyword

DSI746I  action REQUEST UNSUCCESSFUL. INVALID KEYWORD
ENCOUNTERED - 'keyword'

DSI747I  action REQUEST UNSUCCESSFUL. EXPECTED OPERAND OR
VALUE MISSING - 'operand'

DSI748I  action REQUEST UNSUCCESSFUL. SYNTAX ERROR - operand

DSI750I  action REQUEST UNSUCCESSFUL. INVALID KEYWORD VALUE
ENCOUNTERED - 'value'
Appendix A. Changes from NetView V3 to NetView V1R1

Changes from NetView V3R1

DSI751I COUNT OF RECORDS ADDED FOR UPDATE OF object = name [NCCFLST], - ORIGNET = nn, LU = nn, COS = nn, MODE = nn

DSI752I action REQUEST UNSUCCESSFUL. CONFLICTING KEYWORDS ENCOUNTERED - keyword1, keyword2

DSI781I task: UNABLE TO ALLOCATE SESSION FOR 'luname', PROCESSING TERMINATED

DSI782I task: macro FAILED FOR cblock - REGISTER 15 = X'code' REGISTER 0 = X'code'

DSI783I task : action FAILED FOR 'luname' RPL RTNCD/FDBK = X'vtamrcd', RPL SENSE CODE = X'vtamsens'

DSI793I FAILING API REQUEST = action RPL RTNCD/FDBK = X'vtamrcd', RPL SENSE CODE = X'vtamsens'

DUI541E ERROR. THE KEYWORD 'keyword' IN THE INPUT FILE 'file' IS NOT VALID. SPECIFY 'MAXRESOURCES', 'MAXSCCOUNT', 'MAXNETWORKS', 'SC', 'STATUSTABLE', 'CODEPAGE', 'ENABLE31GDS', OR 'NULLGDSOPIDS' ONLY.

DUI3913E GMFHS TASK task HAS LOGGED AN IMPORTANT MESSAGE AT time FOR DOMAIN = domainid

DUI3999I GMFHS IS ALREADY ACTIVE FOR DOMAIN = domainid

DUI4004E GMFHS CONFIGURATION INITIALIZATION COMPLETED BUT ERRORS WERE LOGGED - CONFIGURATION START: starttime END: endtime

DUI4007A GMFHS TERMINATING DUE TO CRITICAL ERROR FOR DOMAIN = domainid

DUI4011E GMFHS ATTEMPTED TO SEND A MESSAGE TO SCOPE CHECKER OPTIONAL TASK BUT FAILED

DUI4013I TASK = task STATUS = WAIT QUEUE DEPTH = qcount

DUI4024A GMFHS TASK taskid LOGGED AN INTERNAL ERROR AT errortime FOR DOMAIN = domainid

DUI4027I GMFHS MAIN TASK INITIALIZATION IS COMPLETE FOR DOMAIN = domainid

DUI4031I GMFHS IS TERMINATING OR IS IN THE PROCESS OF TERMINATING DUE TO OPERATOR REQUEST FOR DOMAIN = domainid

DUI4045I TASK = task STATUS = ACTIVE QUEUE DEPTH = qcount

DUI4052I RODM CONFIGURATION STATUS IS NOT INITIALIZED

DUI4070E GMFHS ATTEMPTED TO ESTABLISH COMMUNICATIONS WITH CNMTAMEL BUT FAILED FOR DOMAIN = domainid

DUI4074E GMFHS CONSTANTS TABLE OVERRIDE override IS NOT VALID, OR IS OUTSIDE ALLOWED LIMITS

DUI4081I TASK = task STATUS = STOPPED QUEUE DEPTH = qcount

DUI4084I TASK = task STATUS = ENQUEUED QUEUE DEPTH = qcount

DUI4089I GMTOFFSET = stime

RODMNAME = rodmname
Changes from NetView V3R1

RODMID = rodmid
DOMAIN = domainid
TRACE = traceind
TRACEPAGES = pages
TRACEBYTES = bytes
TASK = (taskidx, taskidx, ..., taskidx)
LEVEL = tracelvl
API = api
TYPE = typeind
STORAGE = storageind
PRINTPDU38 = yyy
CHECKPOINT = checkpoint
LOGPDU01 = storeset
LCON-ALERT-CMD-TIMEOUT = timeout
LCON-NMG-POLL-INTERVAL = ppppp
LCON-NCC-RETRY-LIMIT = r
LCON-NCC-RSC-LIMIT = ll
LCON-STATUS-DELAY-TIME = tt
LCON-STATUS-DELAY-MAX = mm
LCON-REPORT-UNKNOWN-STATUS = s
LCON-HEX-SUBVECTOR-DISPLAY = h
LCON-OPERATOR-CMD-AUDIT = auditind
LCON-MAX-QUEUE-IPC = ipcsizes
LCON-MAX-QUEUE-OPERIF = operqsize
LCON-MAX-QUEUE-DBSERVER = dbqsize
LCON-MAX-QUEUE-NETCON = nconqsize
LCON-MAX-QUEUE-EVENTMGR = emgrqsize
LCON-MAX-QUEUE-VIEWMGR = vmgrqsize
LCON-MAX-QUEUE-VSTATMGR = vstatmgrqsize
LCON-MAX-QUEUE-IRMGR = irmgrqsize
LCON-MAX-QUEUE-NETCMD = ncmdqsize
LCON-MAX-QUEUE-MAINTASK = mainqsize
LCON-AGGRST-REQUIRED = zz

DUI4091I taskid tasktracesetat LEVEL tracelevel PRINT printstatus RODM rodmtrace IPC ipctrace PPI ppitrace STORAGE storagetrace IPCAPI = (api1, api2, ..., apiin)

DWO080I TASK NAME ‘taskname’ IS INVALID. IT IS A NETVIEW RESERVED NAME
Changes from NetView V3R1

EKG1101E  |  jobname: THE FIRST SEGMENT OF THE TRANSLATION WINDOW CANNOT BE ALLOCATED.
EKG1102E  |  jobname: THE FIRST DATA WINDOW CANNOT BE ALLOCATED FOR DDNAME ddname.
EKG1107E  |  jobname: THE MASTER WINDOW CANNOT BE LOADED.
EKG1108E  |  jobname: THE TRANSLATION WINDOW CANNOT BE LOADED.
EKG1109E  |  jobname: A DATA WINDOW CANNOT BE LOADED FOR DDNAME ddname.
EKG1110I  |  jobname: TRANSLATION WINDOW SEGMENT NUMBER nnn1 CANNOT BE ALLOCATED. nnn2 SEGMENTS ARE AVAILABLE.
EKG1111I  |  jobname: DATA WINDOW NUMBER nnn1 CANNOT BE ALLOCATED. nnn2 UNUSED DATA WINDOWS ARE STILL AVAILABLE.
EKG1116I  |  jobname: NO MORE TRANSLATION WINDOW SEGMENTS ARE AVAILABLE. nnn SEGMENTS HAVE BEEN ALLOCATED.
EKG1117I  |  jobname: NO MORE DATA WINDOWS ARE AVAILABLE. nnn DATA WINDOWS HAVE BEEN ALLOCATED.
EKG1326D  |  jobname: ENTER ‘1’ TO PERFORM WAIT AGAIN, ‘2’ TO END CURRENT TRANSACTION, ‘3’ TO CANCEL REQUEST.
EKG5008I  |  jobname: THE FILE SPECIFIED BY DDNAME ddname IS TOO SMALL FOR A DATA WINDOW.
EKG8228W  |  THE DOUBLE BYTE CHARACTER SET (DBCS) STRING IS COMPOSED OF AN UNEVEN NUMBER OF SINGLE BYTE CHARACTERS.
EKG8516E  |  THE OBJECT object DOES NOT EXIST.
EKG8517E  |  THE OBJECT object ALREADY EXISTS.
EKG8526E  |  THE OBJECT object HAS LINKS TO OTHER OBJECTS AND CANNOT BE DELETED.
EKG8583E  |  SOME NOTIFICATION METHODS ARE NOT TRIGGERED FOR primitive PRIMITIVE.
EKG8585E  |  THE LINK WITH THE OBJECT NAME object CANNOT BE CREATED.
EKG8588E  |  THE primitive PRIMITIVE IS UNSUCCESSFUL DUE TO SUBFIELD TIMESTAMP ERROR.
FLB419E   |  SNA TOPOLOGY MANAGER COULD NOT ALLOCATE ENOUGH STORAGE. AMOUNT OF STORAGE ATTEMPTED WAS 'amount'
FLB438E   |  SNA TOPOLOGY MANAGER COULD NOT ALLOCATE ENOUGH STORAGE
FLB473I   |  OBJ. LINK/ FLBTRST RODM
FLB474I   |  TYPE CREATE DELETE UPDATE QUERY UNLINK (STATUS) COUNT
FLB476I   |  objtype create delete update query lnkunlnk flbtrst rodmcnt
Changes from NetView V3R1

<table>
<thead>
<tr>
<th>Message Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLB481E</td>
<td>SNA TOPOLOGY MANAGER DISCOVERED THAT RODM 'rodmname' IS TERMINATING/QUIESCING</td>
</tr>
<tr>
<td>FLB482E</td>
<td>SNA TOPOLOGY MANAGER ENCOUNTERED AN UNRECOVERABLE ERROR ON A CALL TO RODM 'rodmname'</td>
</tr>
<tr>
<td>FLB483W</td>
<td>SNA TOPOLOGY MANAGER FAILED TO CONNECT TO RODM 'rodmname' AND WILL RETRY the RODM named in the message.</td>
</tr>
<tr>
<td>FLB484W</td>
<td>SNA TOPOLOGY MANAGER RECEIVED AN ERROR ON A CALL TO RODM 'rodmname' AND WILL RETRY</td>
</tr>
<tr>
<td>FLB485E</td>
<td>SNA TOPOLOGY MANAGER FAILED ALL RETRIES WHEN CONNECTING TO OR CALLING RODM 'rodmname'</td>
</tr>
<tr>
<td>FLB561I</td>
<td>NODE LOCAL MONITOR MONITOR MONITOR</td>
</tr>
<tr>
<td>FLB562I</td>
<td>NAME NAME TYPE STATUS TIME</td>
</tr>
<tr>
<td>FLB563I</td>
<td>------------------------</td>
</tr>
<tr>
<td>FLB564I</td>
<td>nodename localname monitortype monitorstatus monitortime</td>
</tr>
<tr>
<td>FLB581I</td>
<td>resource count1 cache1stor count2 cache2stor totstor maxstor</td>
</tr>
<tr>
<td>FLB678W</td>
<td>SNA TOPOLOGY MANAGER FAILED TO CONNECT TO CMIP SERVICES AND WILL RETRY, CMIP SERVICES IS NOT ACTIVE</td>
</tr>
<tr>
<td>FLB684E</td>
<td>SNA TOPOLOGY MANAGER DISCOVERED THAT CMIP SERVICES IS TERMINATING</td>
</tr>
<tr>
<td>FLB686E</td>
<td>SNA TOPOLOGY MANAGER DATA MODEL IS NOT COMPLETELY LOADED</td>
</tr>
</tbody>
</table>

0319 View Definition Changing - Request Rejected

Deleted Messages

CNM376I

Samples

This section lists new and deleted samples for migration considerations.

- "New Samples"
- "Deleted Samples" on page 184

New Samples

<table>
<thead>
<tr>
<th>New Samples</th>
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<tbody>
<tr>
<td>CNMBA00</td>
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<tr>
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<td>CNMBFF8</td>
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<td>CNMS1100</td>
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<td>CNMS8013</td>
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<td>CNMS8017</td>
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<td>CNMS8025</td>
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<td>EZL93UTB</td>
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<td>EZLBNJAO</td>
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<td>EZL96UTB</td>
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<td>EZLBF01</td>
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<td>EZLCGLOB</td>
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Appendix A. Changes from NetView V3 to NetView V1R1
### Changes from NetView V3R1

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### Deleted Samples

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<td>FLBUMSGH</td>
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</table>

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184 Installation: Migration Guide
Appendix B. Changes from TME 10 NetView for OS/390 Version 1 Release 1 to TME 10 NetView for OS/390 Version 1 Release 2

This appendix lists new, changed, and deleted:
- "Help Panels"
- "Command Lists"
- "Messages" on page 186
- "Samples" on page 197

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

- CNM0NCP7
- CNM0NCP8
- CNM0NCP9
- CNM0NCPA
- CNM0NCPB
- CNM0NCPC
- CNM0NCPD
- CNM0NCPF
- CNM0NCPG
- CNM0NCPH
- CNM0NCPJ
- CNM0NCPK
- CNM0NCPM
- CNMHTBLG
- CNMHTBR
- CNMHTCM
- CNMHTCOM
- CNMHTERR
- CNMHTHDR
- CNMHTRSP
- CNMKAAOV
- CNMKAMOV

Changed Help Panels

- CNM0NCP1
- CNM0NCP2
- CNM0NCP3
- CNM0NCP4
- CNM0NCP5
- CNM0NCP6
- CNM0NCPF
- CNM0NCPG
- CNM0NCPH
- CNM0NCPJ
- CNM0NCPK
- CNM0NCPM
- CNMHTBLG
- CNMHTBR
- CNMHTCM
- CNMHTCOM
- CNMHTERR
- CNMHTHDR
- CNMHTRSP
- CNMKAAOV
- CNMKAMOV

Deleted Help Panels

None

Command Lists

This section lists new, changed, and deleted command lists for migration considerations.
- "New Command Lists" on page 186
- "Changed Command Lists" on page 186
- "Deleted Command Lists" on page 186
New Command Lists

- CNME3016
- CNME3020
- CNME3024
- CNME3028
- CNME3032
- CNME9503
- CNME9528
- CNMECHLD
- CNMETDCR
- CNMETDPL
- CNMETDTR
- CNMSQSEL
- FLCAPMHS
- FLCA

Changed Command Lists

- CNME0012
- CNME1016
- CNME1048
- CNME1101
- CNME2008
- CNME8004
- EZLE1REQ
- EZLEACG1
- EZLEALFL
- EZLENDET
- FKVE530I

Deleted Command Lists

- EZLEAAT8
- EZLEAAT9
- EZLEAC10
- EZLEA

Messages

This appendix lists the new, changed, and deleted messages for migration from a previous release of the NetView program:

- "New Messages"
- "Changed Messages" on page 195
- "Deleted Messages" on page 196

Please make any changes necessary to your automation table. Refer to online messages for a listing of the complete message.

New Messages

- BNH147I: `username` defined as UID = `unn`, GID = `gmn`, Home = `'homepath'`, Profile = `'profname'`
- BNH148E: Unix Service error for `'service'`, return code = `'retcode'X`, reason code = `'rescode'X`. 
TASK 'taskname' MACRO 'macroname' FUNCTION 'fname' ERROR CODE 'code'

LOGON REJECTED, ALL SOCKETS IN USE.

APPEND OPTION CHANGED TO IGNORE IN numcmd SET COMMANDS.

ddname MEMBER mem IS BEING USED FOR NETVIEW AUTOMATION TABLE TESTING

NO TEST AUTOMATION TABLE IS LOADED

TEST AUTOMATION TABLE tblname HAS BEEN COMPILED AND LOADED AT time BY operid

TEST AUTOMATION TABLE LISTING = membername

AUTOMATION TABLE TESTING IS ACTIVATED AT time BY operid

AUTOMATION TABLE TESTING SOURCE = tblsource, REPORT = reportmember, TASK = taskname

AUTOMATION RECORDING STOPPED, MEMBER=membername

AUTOMATION RECORDING IS ALREADY ACTIVE, MEMBER=membername

AUTOMATION TABLE TESTING IS NOT ACTIVE

AUTOMATION RECORDING TO MEMBER membername IS ACTIVATED AT time BY operid

AUTOMATION RECORDING IS NOT ACTIVE

TEST AUTOMATION TABLE LISTING membername SUCCESSFULLY GENERATED

TEST AUTOMATION TABLE LISTING membername GENERATION FAILED

TEST AUTOMATION TABLE COUNTERS RESET BY operid AT time

HEARTBEAT slot_values

THRESHOLD slot_values

REL THRESHOLD slot_values

CONN CHANGE slot_values

command COMMAND ENDED DUE TO REXX NOVALUE ERROR FOR VARIABLE variable IN LINE line_number OF MODULE module_name. RETURN CODE = retcode.

command COMMAND ENDED DUE TO REXX SYNTAX ERROR IN LINE line_number OF MODULE module_name. RETURN CODE = retcode.

TIMER COMMAND FAILED TO START. TYPE: type ID: id TASK: task MQSRC: mqsrc INTERVAL: int1 int2 CONTINUE: cont CMD: cmd

Changes from NetView V1R1 to NetView V1R2
Changes from NetView V1R1

BNH360I  req REQUEST COMPLETED FOR DSIPARM MEMBER mem AT LOCATION loc WITHIN THE LIST OF AUTOMATION TABLES

BNH364I  TABLE: tbl INCLUDE: incl keyword: label

BNH365E  AUTOTBL MEMBER SPECIFIED IS NOT UNIQUE WITHIN THE LIST OF ACTIVE AUTOMATION TABLES

BNH375I  None

BNH376I  None

BNH380I  AUTOMATION TABLE TESTING AND/OR RECORDING STOPPED DUE TO ERROR

BNH381I  AUTOMATION TABLE TESTING IS IN PROGRESS, THE AUTOMATION TABLE CANNOT BE CHANGED

BNH382I  AUTOMATION TABLE TESTING STOPPED, SOURCE=membername

BNH383I  AUTOMATION TABLE TESTING IS ALREADY ACTIVE, SOURCE=membername

BNH384I  AUTOMATION TABLE TESTING AND/OR RECORDING FAILED. FAILING COMPONENT: component, RC: returncode, MEMBER NAME: membername

BNH385I  ddname MEMBER membername IS CLOSED. RETURN CODE=retcode

BNH386E  INCORRECT KEY STRING IN MEMBER membername IN DATA SET ddname

BNH387E  DSIGET FAILURE INITIALIZING DATA SET OBJECT FOR DATA SET dsname, MEMBER membername

BNH500E  ERROR retcode FROM SQL, DETECTED IN module

BNH501I  RDS: number DBSS: number; number ROWS DONE; string

BNH502I  MESSAGE PARAMETER string

BNH503E  SQL RC —934: UNABLE TO FIND MODULE module

BNH504E  SQL RC —805: ACCESS MODULE name NOT FOUND; REFER TO INSTALLATION INSTRUCTIONS AND THE CNMSJSQL SAMPLE TO GENERATE THE ACCESS MODULE

BNH505E  OBJECT EXISTS ALREADY

BNH506E  TABLE table DOES NOT EXIST

BNH507I  SQL PROCESSING: string

BNH508E  DESCRIBE FOLLOWED BY "word"; MUST BE "SELECT"

BNH509E  SQL RC —205: COLUMN colname NOT FOUND IN table

BNH510E  UNABLE TO OBTAIN HELP FROM SQL (RETURN CODE retcode)

BNH511E  SQL HAS NO INFORMATION ABOUT topic

BNH512E  TOO FEW INPUT STREAMS

BNH513E  USE "SQL CONNECT TO" TO IDENTIFY THE SUBSYSTEM (REASON hex)

BNH514E  10 SQL STAGES ALREADY ACTIVE

BNH515I  SQL STATEMENT PREPARED: string
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BNH516E</td>
<td>CURSOR HAS BEEN CLOSED</td>
</tr>
<tr>
<td>BNH517E</td>
<td>TASK task IS NOT STARTED</td>
</tr>
<tr>
<td>BNH518E</td>
<td>DB2 NOT PRESENT IN SYSTEM</td>
</tr>
<tr>
<td>BNH519E</td>
<td>DB2 CONNECTION USING PLAN plan ALREADY ACTIVE</td>
</tr>
<tr>
<td>BNH520E</td>
<td>DB2 ALREADY CONNECTED TO SUBSYSTEM subsystem</td>
</tr>
<tr>
<td>BNH521E</td>
<td>ERROR number REASON hex ON CALL TO DSNALI funcname</td>
</tr>
<tr>
<td>BNH522E</td>
<td>SUBSYSTEM subsystem IS NOT DEFINED</td>
</tr>
<tr>
<td>BNH523E</td>
<td>PLAN plan IS NOT AUTHORIZED</td>
</tr>
<tr>
<td>BNH524E</td>
<td>SUBSYSTEM subsystem IS NOT UP</td>
</tr>
<tr>
<td>BNH525E</td>
<td>LEFT PARENTHESIS MISSING</td>
</tr>
<tr>
<td>BNH526E</td>
<td>RIGHT PARENTHESIS MISSING</td>
</tr>
<tr>
<td>BNH527E</td>
<td>NOTHING SPECIFIED BETWEEN PARENTHESES</td>
</tr>
<tr>
<td>BNH528I</td>
<td>DB2 subsystem TERMINATED CODE code</td>
</tr>
<tr>
<td>BNH529I</td>
<td>DB2 subsystem NOT ACTIVE</td>
</tr>
<tr>
<td>BNH530I</td>
<td>CAF LEVEL DOES NOT MATCH DB2 subsystem</td>
</tr>
<tr>
<td>BNH531I</td>
<td>INCORRECT HANDLE number ON CALL TO DSISQLRQ</td>
</tr>
<tr>
<td>DSI037I</td>
<td>Process process_id spawned for unix_command</td>
</tr>
<tr>
<td>DUI124I</td>
<td>OPERATOR operatorid IS COMMUNICATING WITH WORKSTATION AT LU luname</td>
</tr>
<tr>
<td>DUI125I</td>
<td>OPERATOR operatorid IS NOT COMMUNICATING WITH ANY WORKSTATIONS.</td>
</tr>
<tr>
<td>DUI126I</td>
<td>NO OPERATOR IS COMMUNICATING WITH ANY WORKSTATION</td>
</tr>
<tr>
<td>DUI384E</td>
<td>ALERT AUTOMATION BUFFER DOES NOT CONTAIN THE MSU.</td>
</tr>
<tr>
<td>DUI385E</td>
<td>ALERT AUTOMATION BUFFER DOES NOT CONTAIN THE XTMALEERT.</td>
</tr>
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<td>DUI400W</td>
<td>IP COMMUNICATIONS SETUP FOR IP ipid HAS FAILED. THE NETCONV START COMMAND IS REJECTED.</td>
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<tr>
<td>DUI401I</td>
<td>NETCONV COMMAND PROCESSED SUCCESSFULLY. COMMUNICATION TO IP ipid STARTED.</td>
</tr>
<tr>
<td>DUI402I</td>
<td>IP ipid HAS ALREADY BEEN STARTED BY operatorid. CONDITION CODE = condcode</td>
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<tr>
<td>DUI403I</td>
<td>CONNECTION socketnum EXCEEDED THE MAXIMUM maxsocket</td>
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<td>DUI404E</td>
<td>NETCONV START FOR IP ipid REJECTED. DSIMQS FAILED WITH RC=retcode.</td>
</tr>
<tr>
<td>DUI405E</td>
<td>COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: TCP/IP HAS TERMINATED.</td>
</tr>
<tr>
<td>DUI406E</td>
<td>COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: VTAM TPEND.</td>
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DUI407I A DUPLICATE NETCONV START REQUEST WAS ISSUED FOR IP ipid. THE REQUEST IS IGNORED.

DUI408I A NETCONV STOP REQUEST FOR IP ipid THAT WAS ISSUED BY operatorid COULD NOT BE PROCESSED.

DUI409E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: OST ABEND.

DUI410E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: OPERATOR LOGOFF.

DUI411E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: CNMTAMEL TASK IS TERMINATING.

DUI412E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: FATAL ERROR DURING RECEIVE.

DUI413E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: FATAL ERROR DURING SEND.

DUI414E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: FATAL ERROR

DUI415E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: RECEIVED DATA THAT WAS NOT VALID.

DUI416E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: WORKSTATION FATAL ERROR.

DUI417I NETCONV COMMAND PROCESSED SUCCESSFULLY. COMMUNICATION TO IP ipid STOPPED.

DUI419I COMMUNICATION TO IP ipid TERMINATED NORMALLY. THE COMMUNICATION SERVER CLOSED THE SOCKET.

DUI421E THE NETCONV START COMMAND HAS FAILED BECAUSE IP ipid IS COMMUNICATING WITH ANOTHER STATUS FOCAL POINT, IS RUNNING AN UNSUPPORTED LEVEL OF GME, OR IS ALREADY COMMUNICATING WITH THIS STATUS FOCAL POINT.

DUI422E CNMTAMEL FAILED TO RECEIVE DATA FROM IP 'ipid' DUE TO A STORAGE SHORTAGE. REQUESTED AMOUNT = amount BYTES.

DUI423E COMMUNICATION TO IP ipid TERMINATED ABNORMALLY: WORKSTATION NOT RESPONDING.

DUI424I OPERATOR operatorid IS COMMUNICATING WITH WORKSTATION AT IP ipid.

DUI427E ERROR. CNMTAMEL ATTEMPTED TO TERMINATE COMMUNICATION TO AN UNRECOGNIZED WORKSTATION.

DUI430I UNSUCCESSFULL CALL TO function, ERRNO=errorcode.

DUI431E COMMUNICATION CANNOT BE ESTABLISHED VIA A TCP/IP CONNECTION. THE NETCONV COMMAND IS IGNORED.

DUI432I AN UNSUCCESSFUL CALL TO INITAPI HAS BEEN MADE BY TASK=task DUE TO AN INVALID TCPANAME VALUE = value IN THE INPUT FILE file.

DUI461I IP ipid NOT AVAILABLE FOR WORK; REQUEST TO THIS IP WAS ABORTED.
CNMTAMEL RECEIVED CORRUPTED DATA FROM IP ipid.

THE KEYWORD keyword IN THE INPUT FILE file CONTAINS THE VALUE value WHICH IS INVALID. THE DEFAULT VALUE OF defvalue WILL BE USED.

CNMTAMEL FAILED TO SEND TO SERVER PWS AT IP ipid.

CNMTAMEL IS UNABLE TO ALLOCATE bytes BYTES OF STORAGE FOR SENDING A REQUIRED RESPONSE TO SERVER PWS AT IP ipid.

CNMTAMEL COULD NOT SEND A DATA PACKET TO THE DATA SERVER AT IP ipid BECAUSE OF A STORAGE SHORTAGE.

CNMTAMEL FAILED TO SEND DATA TO THE DATA SERVER AT IP ipid DUE TO AN MQS FAILURE.

LOAD FAILED FOR MODULE modname.

ARM REGISTRATION FAILED WITH RETURN CODE retcode, REASON CODE rescode.

ARM READY FAILED WITH RETURN CODE retcode, REASON CODE rescode.

ARM DEREGISTRATION FAILED WITH RETURN CODE retcode, REASON CODE rescode.

UNRECOGNIZED JCL EXEC STATEMENT PARAMETER.

JCL EXEC STATEMENT PARAMETER parmname IS NOT VALID OR IS DUPLICATED.

GMFHs COMMUNICATION STARTED WITH WORKSTATION workstation FOR DOMAIN = domainid.

GMFHs COMMUNICATION STOPPED WITH WORKSTATION workstation FOR DOMAIN = domainid.

jobname: RODM WILL BE UNABLE TO CHECKPOINT THE MASTER WINDOW.

jobname: RODM WILL BE UNABLE TO CHECKPOINT TRANSLATION WINDOW SEGMENT NUMBER nn.

jobname: RODM WILL BE UNABLE TO CHECKPOINT DATA WINDOW NUMBER nn.

jobname: THE CHECKPOINT FUNCTION IS NOW DISABLED.

jobname: JCL EXEC STATEMENT PARAMETER FOR THE AUTOMATIC RESTART OPTION IS NOT VALID.

jobname: JCL EXEC STATEMENT PARAMETER FOR THE SYMBOL SUBSTITUTION OPTION IS NOT VALID.

jobname: ‘/’’ APPEARS IN A COMMENT. A COMMENT DELIMITER MAY BE MISSING.

jobname: CUSTOMIZATION PARAMETER PROCESSING ENDED WHILE IN A COMMENT. A COMMENT DELIMITER MAY BE MISSING.

jobname: LOAD FAILED FOR MODULE modname.
Changes from NetView V1R1

EKG1962E  
jobname: ARM REGISTRATION FAILED WITH RETURN CODE retcode, REASON CODE rescode

EKG1963E  
jobname: ARM READY FAILED WITH RETURN CODE retcode, REASON CODE rescode

EKG1964E  
jobname: ARM DEREGISTRATION FAILED WITH RETURN CODE retcode, REASON CODE rescode

EKG2000I  
jobname: CONNECT REQUEST FROM APPLICATION applname IS REJECTED WITH RC = retcode AND RS = rescode.

EZL000E  
MESSAGE number ISSUED, BUT THIS MESSAGE DOES NOT EXIST IN MESSAGE TABLE DSIMDEZL - CALL IGNORED

EZL001I  REQUEST request WAS SUCCESSFUL FOR function

EZL002I  END

EZL004I  REQUEST request WAS UNSUCCESSFUL FOR function

EZL005I  MEMBER member CURRENTLY BEING USED FOR THE CONTROL FILE

EZL007I  AUTOMATION TABLE table WAS NOT LOADED SUCCESSFULLY RECEIVED MESSAGE message

EZL008I  THE AUTOMATION TASK (task) CANNOT BE STARTED - AUTOMATION CANNOT PROCEED

EZL009W  TOO MANY PARAMETERS SPECIFIED

EZL010W  TOO FEW PARAMETERS SPECIFIED

EZL011W  EXPECTING A delimiter FOR parameter

EZL013I  MESSAGE TRUNCATED - 'text'

EZL015E  INVALID DELIMITER OF delimiter ENCOUNTERED

EZL017I  VALUE=value

EZL018I  INVALID SEARCH RANGE SPECIFIED

EZL020E  MACRO/TYPE REQUEST WAS UNSUCCESSFUL RC=rc \ A=xx | l=yy | ECB=zzz FOR function

EZL023I  TEST OF CONTROL FILE MEMBER member WAS SUCCESSFUL

EZL025E  SYNTAX ERROR IN MEMBER member AT LINE number

EZL026I  TEST OF CONTROL FILE MEMBER member WAS UNSUCCESSFUL

EZL027I  THE FOLLOWING ERRORS ENCOUNTERED IN PROCESSING MEMBER member

EZL029E  INVALID DATA FROM CONTROL FILE

EZL030I  task IS INACTIVE

EZL031E  SCREEN READ ERROR text

EZL032I  task : log AUTOMATION LOG FULL

EZL033E  FIRST LEVEL OF THE TREE MUST BE A 1

EZL034E  INVALID LEVEL - LESS THAN 1

EZL036I  BUFFER SIZE SPECIFIED IS TOO SMALL FOR SCREEN
Changes from NetView V1R1 to NetView V1R2

EZL037I  STATUS ELEMENT IN TREE NOT FOUND
EZL039W  TREE LEVELS OUT OF SEQUENCE
EZL040I  NO CONTROL FILE LOADED
EZL041I  UNABLE TO FIND type name
EZL042I  MEMBER member NOT FOUND
EZL043I  task IS ACTIVE
EZL044I  task TERMINATING
EZL045I  task TERMINATED
EZL046E  INTERNAL PROGRAMMING ERROR - REQUEST request
         MODULE module RETURN CODE rc
EZL048E  PANEL DEFINITION FOR panel NOT FOUND
EZL050I  ACCESS DENIED - MAXIMUM USERS EXCEEDED FOR DDF
EZL054I  REQUEST DENIED BECAUSE NETVIEW IS TERMINATING
EZL055I  COMMAND DDF IS NOT SUPPORTED UNDER A NON-OST
         TASK
EZL056E  TERMINAL TYPE IS NOT SUPPORTED BY DDF
EZL062I  NETVIEW PASSWORD DATASET NOT ALLOCATED
EZL063E  ERROR OPENING PASSWORD DATASET
EZL064I  RECORD FOR operator domain NOT FOUND
EZL065I  CURRENT PASSWORD IS password
EZL066I  CURRENT/NEW PASSWORD IS current/new
EZL067E  CURRENT PASSWORD IS password - ERROR CREATING NEW
         PASSWORD
EZL068E  NEW PASSWORD UPDATE FAILED - VSAM ERROR
EZL069E  NEW PASSWORD UPDATE FAILED - NO NEW PASSWORD
EZL076I  PASSWORD MASK IS TOO LONG
EZL077I  PASSWORD MASK IS TOO SHORT
EZL090I  IPLDATE = MM/DD/YY , IPLTIME = HH:MM
EZL237I  rename restype STATUS= "resstat" IS GOOD. DESIRED
         STATUS="desirestat". ACTIVE MONITORING CONTINUES
EZL350I  rename restype IS BETWEEN endpt1 endpt2
EZL400W  functionname FUNCTION FAILED WITH RETURN CODE retcode -
         FUNCTION IS DISABLED
EZL440E  INFORM POLICY MEMBER member_name statement STATEMENT
         STARTING AT LINE number CONTAINS THE FOLLOWING
         UNKNOWN PARAMETERS: invalid_parms
EZL441E  INFORM POLICY policy_name statement ENTRY STARTING AT
         LINE number CONTAINS SYNTAX ERROR errorcode IN keyword
EZL443E  ROUTE route CONFLICTS WITH CONNECTION TYPE contype IN
         THE CONTACT STATEMENT STARTING AT LINE number IN
         POLICY policy_name
Changes from NetView V1R1

EZA444E  A NUMERIC MESSAGE IS REQUIRED IN INFORM POLICY
policy_name CONTACT ENTRY STARTING AT LINE number
WHEN CONNECTION=NUMPAGE IS SPECIFIED

EZA445E  INTERFACE ROUTINE routine IN THE CONTACT ENTRY
STARTING AT LINE number IN POLICY policy_name WAS NOT
FOUND

EZA446I  THE CONTACT ENTRY KEYWORD keyword STARTING AT LINE
number WAS TRUNCATED IN POLICY policy_name

EZA447E  A statement STATEMENT WAS EXPECTED AT LINE number

EZA448I  NO INFORM POLICY MEMBER IS LOADED

EZA449E  INVALID INFORM POLICY NAME policy_name FOUND AT LINE
number

EZA450I  INFORM POLICY INACTIVE

EZA451I  TEST OF INFORM POLICY MEMBER member_name WAS result

EZA452I  DSIPARM MEMBER member_name IS BEING USED FOR INFORM
POLICY

EZA453I  INFORM POLICY ACTIVATED AT time ON date BY oper

EZA454E  DUPLICATE POLICY OR GROUP NAME name DETECTED AT
LINE number

EZA455I  PROCESSING FAILED FOR 'INFORMTB member_name'
COMMAND

EZA456E  statement STATEMENT STARTING AT LINE number WAS NOT
PROPERLY TERMINATED

EZA457I  THE keyword KEYWORD IN THE CONTACT ENTRY STATEMENT
STARTING AT LINE number WAS DEFAULTED TO value

EZA458I  INFORM POLICY policy_name ENTRY STARTING AT LINE number
CONTAINS AN INCORRECT VALUE FOR KEYWORD keyword

EZA459I  INFORM POLICY NAME policy_name WAS NOT FOUND IN THE
ACTIVE INFORM POLICY MEMBER member_name

EZA460I  connection_type ACTION WAS result ISSUED FOR POLICY
policy_name BY OPERATOR operid

EZA461E  INFORM POLICY MEMBER member_name SETUP ENTRY
STARTING AT LINE number CONTAINS SYNTAX ERROR errorcode
IN keyword

EZA462E  NO CONTACT ENTRIES WERE FOUND IN INFORM POLICY
MEMBER member_name

EZA463E  THE INFORM POLICY LOGGING FUNCTION WAS UNABLE TO
WRITE TO OR CLOSE THE dsname OUTPUT MEMBER

EZA464I  THE INFORM LOG FUNCTION IS NOT ENABLED

EZA465E  UNABLE TO READ THE INFORM LOG MEMBER OR THE
MEMBER CONTAINS NO ENTRIES

EZA466I  NO NEW INFORM ACTIONS WERE SUCCESSFULLY ISSUED AS
A RESULT OF INTERFACE PROBLEMS OR THE CURRENT
POLICY SETTINGS
Changes from NetView V1R1

EZL467E OUTPUT MEMBER member_name IN DATASET dataset CANNOT BE REPLACED WITH AN INFORM POLICY LOG MEMBER
EZL468E INFORM PREPROCESSING EXIT 11 DID NOT RETURN AN EXPECTED GROUP OR POLICY NAME
EZL469I INFORM PROCESSING FOR GROUP OR POLICY name WAS CANCELLED BY exit
EZL470E GROUP group_name STATEMENT STARTING AT LINE number CONTAINS A REFERENCE TO ITSELF
EZL471I LOG ENTRY SEARCH START TIME DOES NOT PRECEDE THE STOP TIME
EZL472I DATE OR TIME WAS NOT ENTERED ON THE PANEL IN THE SAME FORMAT AS SHOWN
EZL473I NO RECORDS MEET THE SPECIFIED SEARCH CRITERIA
EZL474I SEARCH CRITERIA CANNOT BE SPECIFIED FOR BOTH THE NAME AND MESSAGE FIELDS
EZL475I SEARCH CRITERIA WAS NOT UPDATED, SPECIFY NEW CRITERIA OR CANCEL
EZL476I connection_type ACTION WAS result FORWARDED FOR INFORM POLICY policy_name BY OPERATOR operid TO DOMAIN domainid
EZL477I NO ACTIONS SPECIFIED FOR POLICY policy_name AT THIS TIME
EZL700E EZLMSG msgnum RC=rc
FKX621I NO SERVER DEFINED FOR SERVICE POINT sp
FKX622I NO ACTIVE TSO SERVERS FOR SERVICE POINT sp
FKX940I INCOMPATIBLE OPTION opt SPECIFIED FOR THIS RESOURCE.
FLC126I GETTOPO COMMANDS FROM MULTISYSTEM MANAGER INITIALIZATION FILE file_name HAVE BEEN PROCESSED.

Changed Messages

DSI235I command FAILED. DSIPUSH MACRO - RETURN CODE = X'code'
DSI593A nnn MESSAGE(S) NOT DISPLAYED. OF THESE, hhh WERE HELD MESSAGES.
DUI614I CNMTAMEL HAS RECEIVED A REQUEST FROM A DATA SERVER AT LU luname THAT IS RUNNING AT AN UNSUPPORTED LEVEL. THE REQUEST IS IGNORED.
DUI615E CNMTAMEL COULD NOT SEND A DATA PACKET TO THE DATA SERVER AT LU luname BECAUSE OF A STORAGE SHORTAGE.
DUI617E CNMTAMEL FAILED TO SEND DATA TO THE DATA SERVER AT LU luname DUE TO AN MQS FAILURE.
DUI3914E AN ERROR OCCURRED ACCESSING THE GMFHS DBSERVER DATABASE, I/O REQUEST TYPE = request
DUI3928E UNABLE TO OPEN CNMNDIN DATASET filename
DUI3929E UNABLE TO OPEN CNMOUT DATASET filename
Changes from NetView V1R1

DUI4055E  INITIALIZATION OF THE MESSAGES TABLE DID NOT COMPLETE
DWO022I  TASKNAME TYPE DPR CPU-TIME N-CPU% S-CPU% MESSAGEQ STORAGE-K CMD
DWO029I  THE MEMBER ‘member’ ALREADY EXISTS, YOU MUST REPLACE IT
DWO736I  RODM( rodm ) STATE( status ) CHKPT( checkpoint )
DWO737I  TASK( task ) STATE( status )
EZL020E  MACRO/TYPE REQUEST WAS UNSUCCESSFUL RC=rc | A=xx | I=yy | ECB=zzz FOR function
EZL181I  rootname.compname,PR=priority,RV=refvalue,
          CO=color,HL=highlight,DP=dupcount
EZL401W  functionname FUNCTION FAILED. RODM rodmname FAILED
          WITH RODM RETURN CODE retcode REASON CODE rescode - CORRECT THE PROBLEM
EZL402W  functionname FUNCTION FAILED. MSM ACCESS FAILED WITH
          RETURN CODE retcode - FUNCTION IS DISABLED
EZL406E  commandname COMMANDS MUST BE FORWARDED TO THE
          RODM FOCAL POINT DOMAIN domainid - commandname
          UPDATE IS IGNORED
EZL408E  functionname FUNCTION FAILED. WAITING ON RODM
          INITIALIZATION
FKV955I  THIS IS A NEW SNBU RESOURCE DEFINITION. PRESS ENTER
          TO ADD
FKW201I  PROGRAM program-RUNCMD RETRY COUNT LIMIT OF number
          EXCEEDED FOR resname
FKW710I  restype resname IS NOW AVAILABLE ON LAN MANAGER lanmgr1
          (WAS lanmgr2)
FKW900I  OP opid ISSUED RUNCMD:"cmd" TO restype:resname
FKX504I  NETVIEW FOR AIX SERVICE POINT servicept RESPONSE FOR COMMAND

Deleted Messages

BNJ1544  BNJ1545  BNJ1547  DWO803
DWO804  DWO805  DWO806  DWO807
DWO808  DWO809  DWO810  DWO811
DWO812  DWO813  DWO814  DWO815
DWO816  DWO817  DWO818  DWO819
DWO820  DWO821  DWO822  DWO823
DWO824  DWO825  DWO827  EKG1113I
EYL442
Samples

This section lists new and deleted samples for migration considerations.

- "New Samples"
- "Deleted Samples"

New Samples

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<th>Sample</th>
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Changes from NetView V1R1
Appendix C. Changes from TME 10 NetView for OS/390 Version 1 Release 2 to Tivoli NetView for OS/390 Version 1 Release 3

This appendix lists new, changed, and deleted:
- "Help Panels"
- "Command Lists"
- "Messages" on page 200
- "Samples" on page 224

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

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Deleted Help Panels

None

Command Lists

This section lists new, changed, and deleted command lists for migration considerations.
- "New Command Lists" on page 200
- "Changed Command Lists" on page 200
- "Deleted Command Lists" on page 200
Changes from NetView V1R2

New Command Lists

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<td>CNME1033</td>
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<td>CNMETFDCR</td>
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<td>CNMETDIN</td>
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<td>CNMETFDP</td>
<td>CNMETFQD</td>
<td>CNMETFTR</td>
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<tr>
<td>CNMETFDTQ</td>
<td>CNMETFDR</td>
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</table>

Deleted Command Lists

| CNME1035 |

Messages

This appendix lists the new, changed, and deleted messages for migration from a previous release of the NetView program.

- "New Messages"
- "Changed Messages" on page 217
- "Deleted Messages" on page 224

Please make any changes necessary to your automation table. Refer to online messages for a listing of the complete message.

New Messages

AAU306I  & &1 IS OVER & &2 OF MAXIMUM VALUE. PRIMARY: & &3 SECONDARY: & &4

AAU978I  SESSION CONFIGURATION:

BNH137I  nnnn NetView commands listed.

BNH138I  No NetView command meets the selection criteria.
THE 'command' COMMAND IS NOT SUPPORTED BECAUSE OF THE EXISTING 'definition' SYSTEM DEFINITION

RACROUTE RC = X'racroute_rc', REQUEST TYPE = 'request', SECURITY PRODUCT RC = X'security_rc' AND REASON = X'security_rsn'

CURRENT SCROLL VALUE IS val

CONFLICTING PROTECT AND EXEMPT STATEMENTS FOUND IN COMMAND AUTHORIZATION TABLE MEMBER member_name AT SEQUENCE NUMBER seq_number FOR THE COMMAND IDENTIFIER cmd_id

AN INTERNAL ERROR OCCURRED DURING PROCESSING OF THE QOS COMMAND FOR THE OPID 'operator_id'

THE BACKUP COMMAND AUTHORIZATION TABLE OR THE SAFNODEC SETTING WILL BE USED FOR COMMAND AUTHORITY DECISIONS DUE TO A PROBLEM WITH THE DATASPACE FOR THE NETCMDS CLASS

COMMAND AUTHORIZATION USING THE NETCMDS CLASS HAS RESUMED

RETURN CODE FROM THE RACROUTE request_type REQUEST IS X'racroute_return', THE SECURITY PRODUCT RETURN CODE IS X'security_return', AND THE SECURITY PRODUCT REASON CODE IS X'security_reason'

VALUE value WAS CHOSEN FOR KEYWORD keyword BUT THE SAF PRODUCT IS NOT ACTIVE

DSIEX19 HAS DENIED ACCESS TO THE SERVICE POINT 'sp_name' AND APPLICATION 'appl_name' WITH RETURN CODE rc FOR THE COMMAND 'cmd_name'

AN INCORRECT AUDIT SPECIFICATION WAS FOUND IN THE COMMAND AUTHORIZATION TABLE

UNABLE TO WRITE TO EXTERNAL LOG, DSIELTSK IS NOT ACTIVE

UNABLE TO WRITE TO EXTERNAL LOG, CMDMDL STATEMENT DSIELDAT IS MISSING

TEST OF COMMAND AUTHORIZATION TABLE tblname COMPLETED WITH ERRORS

AN INTERNAL ERROR OCCURRED WHILE SCANNING THE COMMAND AUTHORIZATION TABLE FOR THE COMMAND 'command_name' AND THE USER ID 'userid'

VALUE value1 FOR KEYWORD keyword IS IGNORED. DEFAULT VALUE value2 IS USED.

VALUE value CHOSEN FOR KEYWORD keyword. ALL OTHER KEYWORDS ARE IGNORED.

VALUE value FOR KEYWORD keyword IS INCORRECT

DSICTMOD IS NO LONGER USED TO SPECIFY TASK LEVEL SECURITY CHECKING
Changes from NetView V1R2

BNH205E COMMAND AUTHORIZATION TABLE tblname HAS BEEN INITIALIZED WITH ERRORS

BNH206E BACKUP COMMAND AUTHORIZATION TABLE tblname HAS BEEN INITIALIZED WITH ERRORS

BNH207E VALUE value1 FOR KEYWORD keyword1 CONFLICTS WITH VALUE value2 FOR KEYWORD keyword2

BNH208E VALUE value1 WAS CHOSEN FOR KEYWORD keyword1 BUT THE classname SECURITY CLASS OF THE SAF PRODUCT CANNOT BE ACCESSED

BNH209E THE cmdclass SECURITY CLASS COULD NOT BE LOADED INTO STORAGE

BNH211I BACKUP COMMAND AUTHORIZATION TABLE backtbl HAS BEEN INITIALIZED

BNH212E COMMAND AUTHORIZATION TABLE tblname INITIALIZATION FAILURE

BNH213E BACKUP COMMAND AUTHORIZATION TABLE tblname INITIALIZATION FAILURE

BNH214E KEYWORD keyword1 CONFLICTS WITH VALUE value2 FOR KEYWORD keyword2

BNH215E VALUE value1 FOR KEYWORD keyword1 CONFLICTS WITH CURRENT VALUE value2 FOR option

BNH217E REFRESH OPERS COMMAND HAS NO EFFECT WHEN USING THE SAFDEF OPTION

BNH218I TEST OF COMMAND AUTHORIZATION TABLE tblname COMPLETED SUCCESSFULLY

BNH219E command COMMAND FAILED. dd NOT ALLOCATED.

BNH220E UNEXPECTED DATA VALUE ENCOUNTERED FOR KEYWORD keyword IN THE NETVIEW SEGMENT OF THE SECURITY PRODUCT FOR OPERATOR opid. THE DEFAULT VALUE OF value IS USED

BNH221E USER IS NOT AUTHORIZED TO domain_name IN THE SECURITY SOFTWARE APPL CLASS

BNH222I PROFILES ARE NOT USED WHEN OPERATOR SECURITY IS SET TO ‘MINIMAL’

BNH223E SPAN spanname CANNOT BE ACTIVATED FOR operid

BNH224I operid IS ALLOWED ACCESS TO resource AT ACCESS LEVEL accesslvl

BNH225I operid IS NOT ALLOWED ACCESS TO resource AT ACCESS LEVEL accesslvl

BNH226I PROFILES ARE NOT USED WHEN OPERATORS ARE DEFINED THROUGH SAF

BNH227I SCOPE INFORMATION IS NOT AVAILABLE. COMMAND AUTHORITY CHECKING IS BEING DONE THROUGH option.

BNH228I OPTION VALUE LAST UPDATED UPDATE ID

BNH229I option value mm/dd/yy hh:mm:ss updateid
BNH230I  END OF LIST SECOPTS INFORMATION

BNH231E  TASK taskname COULD NOT OBTAIN EXTENDED CONSOLE console_name. CONSOLE NAME IS NOT VALID.

BNH232E  'userid' IS NOT AUTHORIZED TO ISSUE COMMAND 'command'

BNH233E  THE COMMAND 'command' IS PROTECTED BY COMMAND IDENTIFIER 'commandid' IN 'auth_method'

BNH234E  'userid' IS NOT AUTHORIZED TO USE KEYWORD 'keyword'

BNH235E  THE KEYWORD 'keyword' IS PROTECTED BY COMMAND IDENTIFIER 'commandid' IN 'auth_method'

BNH236E  'userid' IS NOT AUTHORIZED TO USE THE KEYWORD 'keyword' AND VALUE 'value' COMBINATION

BNH237E  THE KEYWORD 'keyword' AND VALUE 'value' ARE PROTECTED BY COMMAND IDENTIFIER 'commandid' IN 'auth_method'

BNH238E  UNEXPECTED RETURN CODE FROM THE SYSTEM AUTHORIZATION FACILITY. RACROUTE MACRO RC IS X'raccroute_rc', REQUEST TYPE IS 'request', SECURITY PRODUCT RC IS X'security_rc', SECURITY PRODUCT REASON CODE IS X'security_rsn', COMMAND IDENTIFIER IS 'identifier'

BNH239E  THE SECURITY ENVIRONMENT FOR userid CANNOT BE ESTABLISHED FOR THE OPERSEC VALUE OF 'opersec'. THE RACROUTE MACRO RETURN CODE IS 'macro_rc' FOR 'request_type' AND 'environment'. THE SECURITY PRODUCT RETURN CODE IS 'rc' AND THE REASON CODE IS 'rsncode'

BNH240E  THE COMMAND AUTHORIZATION TABLE tblname DOES NOT EXIST

BNH241I  THE COMMAND AUTHORIZATION TABLE tblname CONTAINS NO VALID STATEMENTS

BNH243E  AN UNDEFINED VARIABLE varname WAS FOUND IN THE COMMAND AUTHORIZATION TABLE

BNH244E  AN INCORRECT NUMBER OF FIELDS WAS FOUND FOR A COMMAND IDENTIFIER IN THE COMMAND AUTHORIZATION TABLE

BNH245E  AN UNRECOGNIZED STATEMENT TYPE stmt_type WAS FOUND IN THE COMMAND AUTHORIZATION TABLE

BNH246E  AN UNMATCHED '<BEGIN>' OR '<END>' LABEL WAS FOUND IN THE COMMAND AUTHORIZATION TABLE

BNH247E  THE MAXIMUM LENGTH FOR A TABLE LOAD STATEMENT WAS EXCEEDED IN THE COMMAND AUTHORIZATION TABLE

BNH248E  THE VARIABLE NAME varname USED IN THE COMMAND AUTHORIZATION TABLE EXCEEDED THE MAXIMUM ALLOWABLE LENGTH

BNH249E  AN INCORRECT TABLE VARIABLE USAGE WAS FOUND IN THE COMMAND AUTHORIZATION TABLE

BNH250E  AN INCOMPLETE 'stmttype' DEFINITION WAS FOUND IN THE COMMAND AUTHORIZATION TABLE
BNH252E A COMMAND IDENTIFIER HAS AN INCORRECT USE OF A
GENERIC CHARACTER IN THE COMMAND AUTHORIZATION
TABLE

BNH253E THE GROUP NAME OR USERID name USED IN THE
COMMAND AUTHORIZATION TABLE EXCEEDED THE
MAXIMUM ALLOWABLE LENGTH

BNH254I OPERSEC VALUE HAS CHANGED. LOGON PANEL
REFRESHED.

BNH255E AN INCORRECT SPECIFICATION OF A COMMAND
IDENTIFIER WAS FOUND IN THE COMMAND
AUTHORIZATION TABLE

BNH256I member_name : sequence_number : load_statement

BNH257I TO SEE YOUR KEY SETTINGS, ENTER 'DISPFK'

BNH258E SPAN spanname CANNOT BE DEACTIVATED FOR operid

BNH259I SPAN spanname ACTIVATED FOR operid AT ACCESS LEVEL
accesslvl

BNH268A UNABLE TO EXTRACT PROFILE INFORMATION FROM THE
NETVIEW SEGMENT

BNH269E AN INCORRECT USERID userid WAS FOUND IN THE
COMMAND AUTHORIZATION TABLE

BNH270E A CALL TO THE SYSTEM AUTHORIZATION FACILITY FAILED
FOR TASK task. TYPE IS type, RACROUTE MACRO RC IS
X'racroute_rc', SECURITY PRODUCT RC IS X'security_rc',
SECURITY PRODUCT REASON CODE IS X'security_rsn'

BNH271I THE OPERSEC VALUE IS SET TO SAFDEF. THE PROFILE NAME
ENTERED ON THE LOGON PANEL IS IGNORED AND PROFILE
INFORMATION FROM THE NETVIEW SEGMENT WILL BE
USED

BNH272I THE OPERSEC VALUE IS SET TO SAFDEF. THE HARDCOPY
FIELD WAS LEFT BLANK ON THE LOGON PANEL AND THE
DEFAULT OF NO HARDCOPY LOG WILL BE USED.

BNH273I THE SECURITY ENVIRONMENT FOR userid IS NOW
CORRECTED AND MATCHES THE OPERSEC VALUE OF 'opersec'

BNH274E A COMMAND AUTHORIZATION DECISION COULD NOT BE
MADE BY THE SECURITY PRODUCT. RACROUTE MACRO RC IS
X'racroute_rc', REQUEST TYPE IS 'request', SECURITY PRODUCT
RC IS X'security_rc', SECURITY PRODUCT REASON CODE IS
X'security_rsn', COMMAND IDENTIFIER IS 'identifier'

BNH276W THE PROFILE STATEMENT CONSNAME OPERAND IS
INCORRECT

BNH277I THE SOURCE ID FOR the 'cmd_name' COMMAND CANNOT BE
DETERMINED. THE COMMAND IS REJECTED

BNH278E AN INTERNAL ERROR OCCURRED WHILE BUILDING THE
COMMAND AUTHORIZATION TABLE

BNH279E THE PERMIT STATEMENT IN MEMBER memname AT
SEQUENCE NUMBER seqnum IS IGNORED BECAUSE THE
COMMAND IDENTIFIER identifier IS NOT PROTECTED IN THE COMMAND AUTHORIZATION TABLE

BNH280I applid IS AN INVALID OR NONEXISTENT APPLICATION ID FOR THIS REQUEST

BNH368I NO ORIGINATING OPERATOR IS DEFINED IN NETVIEW FOR VTAM COMMAND WHEN SPANCHK=SOURCEID.

BNH369I VTAM COMMAND ORIGINATING OPERATOR operid IS NOT LOGGED ON WHEN SPANCHK=SOURCEID.

BNH370I disposition condition table member statement tracetag

BNH535A nnnn MESSAGES NOW RETAINED BY taskname

BNH549I CHRON NOTIFY=eventname BY=issueoper ID=timerid ROUTE=runoper COMMAND='CHRON' text

BNH554E CHRON ‘AT’ TIME IS IN THE PAST.

BNH555I taskname ABEND DEFERRED FOR ‘reason’

BNH570I F3=EXIT F7=UP5 F8=DOWN5

BNH571I F5=TOP F6=BOT F9=UP1 F10=DOWN1 F12=DONE

BNH572I You change displayed lines by typing on them.

BNH573I To add more data, type on the ++++- line, and then press <ENTER>.

BNH575I SCREEN DATA ERROR, PLEASE TRY AGAIN.

BNH576I YOU DELETE A LINE BY ERASING THE DATA ON THAT LINE.

BNH577I Enter DSITCPRF edit password (twice).

BNH578I F3=QUIT (NO SAVE) F12/ENTER=PROCESS

BNH579I PASSWORD validatation error. Please try again.

BNH580I ‘DSITCPRF’ IS ALREADY BEING EDITED.

BNH581W ‘DSITCPRF’ IS NOT ENCRYPTED.

BNH582W ‘DSITCPRF’ NEEDS RE-ENCRYPTION.

BNH583W ‘DSITCPRF’ ENCRYPTION COMPLETED.

BNH584E ‘DSITCPRF’ DECRYPTION UNSUCCESSFUL.

BNH585E ENCRYPTION CAPABILITY IS NOT AVAILABLE.

BNH586I SYNTAX ERROR ON LINE nnnnnn

DSI038I operator ID reconnected

DSI045I Reconnect blocked. Try again.

DSI078A INVALID ‘initial command’ OPTION - ENTER YES OR NO

DSI113D No VTAM Application ID available, taskName unable to open ACB

DSI173I AUTH MEMBER STRING: ‘member’

DSI174I COPY MEMBER STRING: ‘member’

DSI562I UNSOLICITED DATA RECEIVED BY taskname NOT RECOGNIZED: DATA = X’bbbb’

DUI4200E RODM CONNECT/DISCONNECT LOOP
### Changes from NetView V1R2

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUI4201E</td>
<td>INVALID PPI DATA RECEIVED FROM PPI SENDER <em>sender</em></td>
</tr>
<tr>
<td>DUI4202E</td>
<td>TEMPORARY PPI FAILURE, RETURN CODE = <em>retcode</em>, ECB POST CODE = <em>postcode</em></td>
</tr>
<tr>
<td>DUI4203E</td>
<td>RODM OVERFLOW DATA DISCARDED</td>
</tr>
<tr>
<td>DUI4204E</td>
<td>GMFHIS USER OBJECT CANNOT BE DELETED FROM RODM</td>
</tr>
<tr>
<td>DUI4205E</td>
<td>ELEMENT MANAGER COMMAND FAILED, COS TASK NOT ACTIVE</td>
</tr>
<tr>
<td>DUI4208E</td>
<td>ALERT PROCESSOR <em>alertp</em> OVERLAID WORKAREA 1 LENGTH</td>
</tr>
<tr>
<td>DUI4209E</td>
<td>ALERT PROCESSOR <em>alertp</em> RETURNED GARBLED RESPONSE</td>
</tr>
<tr>
<td>DUI4210E</td>
<td>ALERT PROCESSOR <em>alertp</em> EXCEEDED MAXIMUM ALLOWED WORKAREA</td>
</tr>
<tr>
<td>DUI4211E</td>
<td>ALERT PROCESSOR <em>alertp</em> WORKAREA LENGTH REQUEST ERROR</td>
</tr>
<tr>
<td>DUI4212E</td>
<td>ALERT PROCESSOR <em>alertp</em> REPORTED PARAMETER ERROR</td>
</tr>
<tr>
<td>DUI4215E</td>
<td>DUPLICATE SUBTASK REGISTERED WITH HTM, NAME = <em>subtask</em></td>
</tr>
<tr>
<td>DUI4216E</td>
<td>MYNAME FIELD NOT DEFINED ON GMFHIS_SHADOW_OBJECTS_CLASS OBJECT <em>objectname</em></td>
</tr>
<tr>
<td>DUI4217E</td>
<td>RECEIVED UNEXPECTED EVENT MAJOR VECTOR <em>vector</em></td>
</tr>
<tr>
<td>DUI4218E</td>
<td>STATUS CHANGE REJECTED, OBJECT ID = <em>objectid</em></td>
</tr>
<tr>
<td>DUI4219E</td>
<td>MYNAME ATTRIBUTE DOES NOT START WITH A DOMAIN IDENTIFIER</td>
</tr>
<tr>
<td>DUI4220E</td>
<td>UNKNOWN ALERT TYPE REPORTED FOR ELEMENT DOMAIN <em>emdomain</em></td>
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<tr>
<td>DUI4221E</td>
<td>A MAJOR VECTOR SUBVECTOR IS NOT VALID</td>
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<tr>
<td>DUI4223E</td>
<td>DBSERVER RECEIVED AN UNEXPECTED REQUEST FROM A DATA SERVER</td>
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<tr>
<td>DUI4225E</td>
<td>STATUS CHANGE REJECTED, RESOURCE = <em>resource</em></td>
</tr>
<tr>
<td>DUI4226E</td>
<td>ELEMENT MANAGER COMMAND FAILED. DOMAIN NOT FOUND FOR TARGET RESOURCE</td>
</tr>
<tr>
<td>DUI4227E</td>
<td>RODM QUERY FAILURE IN NETCMD</td>
</tr>
<tr>
<td>DUI4228E</td>
<td>ELEMENT MANAGER COMMAND TARGET IS A DOMAIN</td>
</tr>
<tr>
<td>DUI4229E</td>
<td>NETCMD ERROR QUERYING TARGET RESOURCE</td>
</tr>
<tr>
<td>DUI4230E</td>
<td>UNKNOWNTHRESHOLD FIELD MISSING FROM GLOBAL AGGREGATE CLASS</td>
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<tr>
<td>DUI4231E</td>
<td>FIND OF RODM OBJECT FOR <em>myname</em> FAILED</td>
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<tr>
<td>DUI4235E</td>
<td>NOTIFICATION METHOD ON THE <em>field</em> FIELD OF <em>object</em> FAILED AFTER FIELD VALUE CHANGED TO <em>value</em></td>
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<tr>
<td>DUI4237E</td>
<td>LIST OF SUSPENDED RESOURCES TOO LARGE TO SEND TO WORKSTATION. ONLY PARTIAL LIST WAS SENT</td>
</tr>
<tr>
<td>DUI4238E</td>
<td>WARNINGS LOGGED BY THE METHOD: CHECK RODM LOG FOR MORE INFORMATION</td>
</tr>
</tbody>
</table>
Changes from NetView V1R2

DUI4239E  RODM REQUEST FAILED: SLOW/NO RESPONSE
DUI4240E  ERROR TRIGGERING RESOURCE TYPE PROFILE UPDATE METHOD
DUI4246E  RODM REQUEST FAILED: RODM SETUP INCORRECT
DUI4248E  THE GET AGGREGATION PROFILE REPLY HAS TIMED OUT
DUI4249E  THE LIST SUSPENDED RESOURCES REPLY HAS TIMED OUT
DUI4251E  ALERT PROCESSOR alertp OVERLAID WORKAREA 2 LENGTH
DUI4252E  COULD NOT QUERY THE timestamp TIMESTAMP SUBFIELD OF object
DUI4253E  TASK sender DISCARDING MESSAGE; MAXIMUM REACHED FOR TASK receiver
DUI4254E  AGGREGATION WARMSTART METHOD FAILED
DUI4255E  GLOBAL_NLS_PARAMETERS_CLASS ATTRIBUTE VALUE ERROR ATTRIBUTE: attribute VALUE: value
DUI4256E  CONFIGURATION INITIALIZATION FAILED DUE TO ERROR IN RODM
DUI4257E  UNEXPECTED DATA TYPE, FIELD = field
DUI4258E  MISSING FIELD = field
DUI4259E  NMG CLASS DEFINITION ERROR
DUI4260E  DOMAIN OBJECT INFORMATION MISSING
DUI4261E  DOMAIN OBJECT DEFINITION ERROR
DUI4264E  NMG OBJECT INFORMATION MISSING
DUI4265E  STATUS SOLICITATION FAILED FOR RESOURCE domain.component
DUI4266E  NMG ATTRIBUTE VALUE ERROR
DUI4267E  ATTRIBUTE VALUE ENCOUNTERED IN SNA_DOMAIN
DUI4268E  AGGREGATION WARMSTART METHOD COMPLETED WITH WARNINGS
DUI4269E  UNSUPPORTED PROTOCOL COMBINATION -- OST AND DOMP010
DUI4270E  ATTRIBUTE VALUE ERROR ENCOUNTERED IN NON_SNA_DOMAIN
DUI4271E  MANAGER STATUS MONITOR SETUP FAILED (returncode/reasoncode). NO MANAGER STATUS WILL BE REPORTED
DUI4272E  MANAGER STATUS MONITOR FIELD CHANGE FAILED (returncode/reasoncode). FIELD: field, CLASS: class
DUI4273E  EM DOMAIN endomain WAS DUPLICATED IN THE FOLLOWING NON_SNA DOMAIN OBJECTS:
DUI4274E  --DUPLICATED NON_SNA_DOMAIN OBJECT: object
DUI4275E  SET INITIAL OR SET UNKNOWN STATUS METHOD COMPLETED WITH WARNINGS
SET INITIAL STATUS METHOD COMPLETED WITH ERRORS

COMMAND BUFFER FOR ELEMENT MANAGER COMMANDS IS FULL

ALL TRANSPORT CORRELATORS FOR AN ELEMENT MANAGER COMMAND ARE CURRENTLY IN USE

OBJECT ATTRIBUTE WRONG TYPE - EXPECTED type1 - FOUND type2

DOMAIN domain ENCASED AN ERROR CHANGING THE DISPLAYSTATUS TO displaystatus.

UNABLE TO ACQUIRE THE DISPLAY NAME FROM RODM

NATIVE COMMAND TEXT FOR AN ELEMENT MANAGER COMMAND NOT FOUND IN RODM

THE REQUESTED ELEMENT MANAGER COMMAND SERVICE TYPE IS NOT SUPPORTED, TYPE type

GATEWAY NAME NOT FOUND OR INCORRECT FOR DOMAIN domain

EMDOMAIN NAME NOT FOUND OR INCORRECT

TARGET RESOURCE OBJECT FOR AN ELEMENT MANAGER COMMAND NOT DEFINED IN RODM

TARGET RESOURCE OBJECT FOR AN ELEMENT MANAGER COMMAND IS NOT DEFINED CORRECTLY IN RODM

COMMAND TEXT SUBSTITUTION PARAMETER IS NOT SUPPORTED

THE SESSION WITH THE ELEMENT MANAGER GATEWAY IS NOT ACTIVE

THE SESSION WITH THE ELEMENT MANAGER GATEWAY WAS LOST BEFORE COMMAND RESPONSE RECEIVED

ELEMENT MANAGER COMMAND NOT ALLOWED ON THIS RESOURCE

ELEMENT MANAGER COMMAND RESPONSE TYPE MISMATCH. EXPECTED expectedtype, GOT receivedtype

ELEMENT MANAGER COMMAND RESPONSE DID NOT CONTAIN RESPONSE KEYWORD

COMMAND RESPONSE SEQUENCE NUMBER INCORRECT. GOT receivedsq, EXPECTED expectedsq

SEQUENCE NUMBER NOT PRESENT IN ELEMENT MANAGER COMMAND RESPONSE

DISPLAYSTATUS COMMAND DOESN'T CONTAIN ST = KEYWORD

STATUS (status) FROM ELEMENT MANAGER COMMAND RESPONSE CANNOT BE CONVERTED

STATUS (status) FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID
Changes from NetView V1R2 to NetView V1R3

DUI4299E  TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT PRESENT OR NOT VALID

DUI4300E  REASONCODE FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT PRESENT OR NOT VALID

DUI4301E  PROTOCOLCODE FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID

DUI4302E  COMMAND STATUS FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT PRESENT OR NOT VALID

DUI4303E  YEAR PORTION OF TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID, YEAR year

DUI4304E  MONTH PORTION OF TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID, MONTH month

DUI4305E  DAY PORTION OF TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID, DAY day

DUI4306E  HOUR PORTION OF TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID, HOUR hour

DUI4307E  MINUTES PORTION OF TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID, MINUTES minutes

DUI4308E  SECONDS PORTION OF TIMESTAMP FROM ELEMENT MANAGER COMMAND RESPONSE IS NOT VALID, SECONDS seconds

DUI4309E  UNABLE TO COMPLETE A SEGMENTED COMMAND TO domain

DUI4310E  AGGREGATION PROFILE NOTIFICATION NOT CORRELATED -- CHECK FOR COMMAND TIMEOUT

DUI4311E  NETCMD ERROR TRIGGERING UPDATE USER STATUS METHOD

DUI4312E  NO RESPONSE TO SESSION PROTOCOL SET TIME COMMAND FOR DOMAIN domain

DUI4313E  GATEWAY DOMAIN NAME CANNOT BE LOCATED FOR ELEMENT MANAGER COMMAND PROCESSING

DUI4314E  COMMAND TYPE type WITH PASSTHRU PRESENTATION PROTOCOL IS NOT ALLOWED

DUI4315E  COMMAND BLOCK ERROR, UNKNOWN DOMAIN OR NMG OBJECT

DUI4316E  COMMAND BLOCK ERROR, DOMAIN NAME NOT VALID

DUI4317E  PRESENTATION PROTOCOL TYPE IS NOT VALID, TYPE=type

DUI4318E  %RESOURCE% SUBSTITUTION FAILED. COULD NOT PARSE RESOURCE FROM RESOURCE STRING string

DUI4319E  %TYPE% SUBSTITUTION FAILED. COULD NOT GET TYPE FROM COMMAND BLOCK

DUI4320E  %APPL% SUBSTITUTION FAILED. COULD NOT GET TRANSACTION PROGRAM FROM COMMAND BLOCK
Changes from NetView V1R2

DUI4321E %SPNAME% SUBSTITUTION FAILED. COULD NOT GET NMG NAME FROM COMMAND BLOCK
DUI4322E CP NAME IN COMMAND RESPONSE DOES NOT MATCH NAME IN REQUEST
DUI4323E TIMESTAMP IN COMMAND RESPONSE NOT FORMATTED CORRECTLY
DUI4324E REASON IN COMMAND RESPONSE NOT FORMATTED CORRECTLY
DUI4325E PROTOCOL IN COMMAND RESPONSE NOT FORMATTED CORRECTLY
DUI4326E SEQUENCE NUMBER (seqnumber) IN COMMAND RESPONSE NOT FORMATTED CORRECTLY
DUI4327E RESPONSE INDICATOR NOT PRESENT IN COMMAND RESPONSE
DUI4328E RESPONSE TEXT DID NOT CONTAIN A LEFT PARENTHESIS
DUI4329E STATUS IN COMMAND RESPONSE NOT FORMATTED CORRECTLY
DUI4330E STATUS IN COMMAND RESPONSE DID NOT HAVE A KNOWN VALUE
DUI4331E DOMAIN IN COMMAND RESPONSE NOT FORMATTED CORRECTLY
DUI4332E EXTRANEOUS DATA FOUND IN THE COMMAND RESPONSE
DUI4333E ERROR RETRIEVING INITIAL CLASS AND FIELD IDENTIFIER INFORMATION FROM RODM
DUI4334E CRITICAL CLASS INFORMATION CANNOT BE RETRIEVED — GMFHS TERMINATING
DUI4335E NON-CRITICAL CLASS INFORMATION CANNOT BE RETRIEVED — GMFHS TERMINATING
DUI4336E CRITICAL FIELD INFORMATION CANNOT BE RETRIEVED
DUI4337E NON-CRITICAL FIELD INFORMATION CANNOT BE RETRIEVED
DUI4338E ELEMENT MANAGER SESSION ESTABLISHMENT REQUEST TIMED OUT FOR DOMAIN domain
DUI4339E EXCEPTION VIEW REQUEST COULD NOT BE PROCESSED
DUI4340E NETWORK VIEW REQUEST COULD NOT BE PROCESSED
DUI4341E UNABLE TO INVoke METHOD method
DUI4342E FAST PATH VIEW REQUEST COULD NOT BE PROCESSED
DUI4343E MORE DETAIL RESOURCE VIEW REQUEST COULD NOT BE PROCESSED
DUI4344E GLOBAL FIND VIEW REQUEST COULD NOT BE PROCESSED
DUI4345E SESSION PROTOCOL RESPONSE NOT SUPPORTED
DUI4346E START UPDATES REQUEST COULD NOT BE PROCESSED
DUI4347E STOP UPDATES REQUEST COULD NOT BE PROCESSED
Changes from NetView V1R2

DUI4348E  NETWORK/MDR VIEW LIST REQUEST COULD NOT BE PROCESSED
DUI4349E  GET VIEW (BY RESOURCE LIST) REQUEST COULD NOT BE PROCESSED
DUI4350E  GET NAME MAP REQUEST COULD NOT BE PROCESSED
DUI4351E  UNABLE TO RETRIEVE THE ID OF THE method METHOD
DUI4352E  EXCEPTION VIEW REQUEST COULD NOT BE PROCESSED
DUI4353E  NAME TO ID REQUEST COULD NOT BE PROCESSED
DUI4354E  GET DRT REQUEST COULD NOT BE PROCESSED
DUI4355E  SESSION RELEASE MISSING FOR GRAPHIC DATA SERVER LU server
DUI4356E  CLOSE VIEW REQUEST COULD NOT BE PROCESSED
DUI4357E  FAILURE RETRIEVING VIEW NOTIFICATION NEGATIVE ACK FROM DATA SERVER
DUI4358E  DATA SERVER LU NAME luname IS NOT KNOWN TO VIEW MANAGER SUBTASK
DUI4359E  METHOD method ERROR (returncode/reasoncode), INVOKED FROM RESOURCE TRAITS MANAGER SUBTASK
DUI4360E  COMMAND BLOCK ERROR, UNKNOWN TRANSPORT TYPE
DUI4361E  NEGATIVE PROTOCOL ACKNOWLEDGMENT FROM THE COS GATEWAY
DUI4362E  PPI TRANSPORT COMMAND RESPONSE FAILURE -- MAJOR VECTOR vector PARSING ERROR
DUI4363E  command COMMAND FOR resource FROM subtask HAS TIMED OUT
DUI4364E  command COMMAND FOR DOMAIN domain FROM subtask HAS TIMED OUT
DUI4365E  command COMMAND FOR resource HAS TIMED OUT
DUI4366E  DOMAIN UNKNOWN -- EXECUTE CONFIG NETWORK COMMAND
DUI4367E  COMMAND BLOCK ERROR, UNKNOWN TRANSPORT TYPE
DUI4368E  RESOURCE TYPE PROFILE UPDATE METHOD FAILED
DUI4369E  PPI TRANSPORT COMMAND RESPONSE FAILURE -- MAJOR VECTOR vector UNKNOWN
DUI4370E  IPC WAS UNABLE TO DELIVER COMMAND TO PPI GATEWAY
DUI4371E  RODM CHECKPOINT REQUEST FAILED
DUI4372E  COMMUNICATIONS SESSION WITH ELEMENT MANAGER LOST
DUI4373E  NETWORK CONFIGURATION COMMAND RETRY LIMIT EXCEEDED
DUI4374E  subtask REPORTS THAT THE NETWORK CONFIGURATION COMMAND WAS REJECTED
Changes from NetView V1R2

DUI4375E  FIELD TYPE ERROR IN NON-SNA DOMAIN OBJECT
DUI4376E  EXPECTED NON-SNA DOMAIN OBJECT IS MISSING
DUI4377E  FIELD TYPE ERROR IN NON-SNA DOMAIN OBJECT
DUI4378E  EXPECTED NON-SNA DOMAIN OBJECT IS MISSING
DUI4379E  NON-SNA DOMAIN OBJECT DOES NOT HAVE A DISPLAYSTATUS FIELD
DUI4380E  NON-SNA DOMAIN OBJECT CLASS DEFINITION ERROR
DUI4381E  MANAGER STATUS UPDATE FAILED
DUI4382E  UNRECOGNIZED CONSOLE COMMAND RECEIVED
DUI4383E  OBJECT NOT INCLUDED IN STATUS SOLICITATION FOR DOMAIN: domain
DUI4384E  MANAGER STATUS UPDATE FAILED -- NMG CLASS ERROR
DUI4386E  GMFHS WILL NOT MONITOR STATUS FOR THE TOPOLOGY MANAGER
DUI4387E  SOME OF THE GDA CHARACTERISTICS WERE MASKED OUT
DUI4388E  TRANSPORT PROTOCOL WAS NOT PPI, OST, OR COS
DUI4389E  destsubtask REJECTED A REQUEST FROM origsubtask
DUI4390E  TURN TRACING ON FOR origsubtask AND destsubtask FOR MORE INFORMATION
DUI4391E  subtask REPORTS THAT A PROCESS FAILED
DUI4392E  subtask REPORTS THAT THERE WAS NO OBJECT
DUI4393E  subtask REPORTS THAT THE COMMAND WAS NOT AUTHORIZED
DUI4394E  subtask REPORTS THAT THE COMMAND IS NOT SUPPORTED
DUI4395E  COMMAND CANNOT BE RETRIED
DUI4396E  WAITING FOR SESSION WITH SCOPE CHECKER
DUI4397E  NON-SNA SESSION ESTABLISHMENT HAS NOT COMPLETED
DUI4398E  THIS WILL RESUME WHEN THE SCOPE CHECKER SESSION IS UP
DUI4399E  THE DOMAIN domain WAS NOT FOUND IN RODM - CONFIG DOMAIN CANNOT COMPLETE
DUI4400E  ALL TRANSACTIONS INVOLVING THIS DOMAIN ARE SUSPECT. THE DOMAIN WAS IN RODM BUT NOW IS NOT
DUI4401E  IT IS RECOMMENDED THAT A GMFHS CONFIG NETWORK BE DONE
DUI4402E  RODM QUERY FAILED (returncode/resasoncode). FIELD: field, CLASS: class
DUI4403E  RODM DATA TYPE NOT VALID. FIELD: field, CLASS: class
DUI4404E  ERROR ENCOUNTERED IN PROCESSING A REQUEST TO UPDATE THE GLOBAL UNKNOWN_THRESHOLD TO value.
DUI4405E  MAXIMUM RESPONSE TEXT SIZE REACHED
Changes from NetView V1R2

DUI4406E COMMAND RESPONSE FROM PPI GATEWAY MISSING TEXT DATA PARAMETER MAJOR VECTOR
DUI4407E *objname* IN CLASS *classname* IS NOT LINKED TO A *linkclass* OBJECT
DUI4408E OBJECT NAME *objname* TOO LONG FOR COMMAND FOR DOMAIN *domain*
DUI4409E COMMAND TEXT FOR DOMAIN *domain* IS TOO LONG
DUI4410E THE MYNAME VALUE OF *objname* IN CLASS *objectclass* IS INCONSISTENT WITH THE *emdname* NAME OF THE *classname* OBJECT IT IS LINKED TO
DUI4411E DATA CORRELATION SUBVECTOR NOT FOUND IN REPLY TO EXECUTE VECTOR
DUI4412E PCID SUBFIELD IS MISSING OR INVALID REPLY TO EXECUTE VECTOR
DUI4414E SOLICITATION COMMAND RETRY LIMIT EXCEEDED
DUI4415E NO SESSION WITH THE DOMAIN’S ELEMENT MANAGER
DUI4416E COMMAND NOT KNOWN TO THE DOMAIN’S ELEMENT MANAGER
DUI4417E COMMAND REJECTED BY ELEMENT MANAGER : BAD PARAMETERS
DUI4418E COMMAND NOT ALLOWED BY THE DOMAIN’S ELEMENT MANAGER
DUI4419E COMMAND NOT CURRENTLY ALLOWED BY THE DOMAIN’S ELEMENT MANAGER
DUI4420E COMMAND ABORTED BY THE DOMAIN’S ELEMENT MANAGER
DUI4421E COMMAND CANCELLED BY THE DOMAIN’S ELEMENT MANAGER
DUI4422E COMMAND PREEMPTED BY THE DOMAIN’S ELEMENT MANAGER
DUI4423E COMMAND FAILED BY THE DOMAIN’S ELEMENT MANAGER
DUI4424E THE ELEMENT MANAGER HAD INSUFFICIENT RESOURCES TO PROCESS THE COMMAND
DUI4425E COMMAND TIMED OUT BY THE DOMAIN’S ELEMENT MANAGER
DUI4426E COMMAND CONTAINS TOO MANY RESOURCE NAMES
DUI4427E COMMAND NOT SUPPORTED BY THE DOMAIN’S ELEMENT MANAGER
DUI4428E INCORRECT LOGIN REPORTED BY THE DOMAIN’S ELEMENT MANAGER
DUI4429E INSUFFICIENT PRIVILEGE FOR THE GATEWAY TO RUN THIS COMMAND
DUI4430E COMMAND’S TARGET RESOURCE IS UNKNOWN BY RODM OR THE GATEWAY
Changes from NetView V1R2

DUI4431E COMMAND RESPONSE DATA IS NOT VALID

DUI4432E A VALUE OF ZERO (0) FOR THE TRACEPAGES PARAMETER IS NO LONGER SUPPORTED. THE DEFAULT VALUE OF 100 WILL BE USED INSTEAD.

DUI4433E POSSIBLE CONSOLE FLOOD FROM SUBTASK subtask. CONSOLE MESSAGES FROM THIS SUBTASK ARE SUSPENDED FOR 30 SECONDS.

DWO081I token is verb implemented in module. Type = type

DWO628I A MACRO FAILURE OCCURRED DURING LOGON. LOGON ABORTED. LUNAME = 'luname'.

DWO969I DOMAIN FOR cpname IS domname

DWO970I reporter : failcomp FAILED WITH RETURN CODE retcode

DWO971I reporter : listelt ADDED TO listtyp LIST

DWO972I reporter : listelt REMOVED FROM listtyp LIST

DWO973I reporter : NO TASKS EXCEED THE LIMIT OF nummin MINUTE(S)

DWO974I reporter : ACTIVE TASKS EXEMPT FROM IDLE TIME LIMITS:

DWO975I reporter : NO ACTIVE TASKS ARE EXEMPT FROM IDLE TIME LIMITS

DWO976I reporter : etype edesc

DWO977I reporter : opid luname time

EZL041I UNABLE TO FIND type name

EZL199I THE CHARACTER 'char' IS NOT VALID IN value

EZL208I THE INPUT LENGTH MUST BE length CHARACTERS. input IS INVALID.

EZL480E THE AUTOMATION TABLE setting NAME value IS NOT UNIQUE

EZL481I ONE OR MORE REQUESTS FAILED, VIEW THE RESPONSE WINDOW OR DSILog FOR DETAILS

EZL482I THERE IS NOTHING TO DISPLAY FOR THE CURRENT REQUEST

EZL483E THE FOCUS AUTOMATION TABLE curtable IS LOADED AS curmarker

EZL484E THE SELECTED STATEMENT IS NOT A BLOCK ENDPOINT OR GROUP MEMBER

EZL485E THE AUTOMAN keyword KEYWORD WAS REJECTED WITH RC=retcode

EZL490E THE ATTEMPT TO INSTORE THE CONTROL FILE FAILED

EZL976I CHANGES TO THE variable ENTRY ARE NOT PERMITTED WITH '(MORE:+)'

EZL977I PRESS ENTER TO SWITCH TO A DIFFERENT TIMER TYPE

EZL978I ITEMS sel1 AND sel2 ARE MUTUALLY EXCLUSIVE

EZL980I OPTION option DOES NOT SUPPORT ADDITIONAL PANEL SELECTIONS
Changes from NetView V1R2

EZA981I  OPTION option REQUIRES ADDITIONAL PANEL SELECTIONS
EZA982I  A DAY OF THE WEEK WAS NOT SPECIFIED
FKX204I  INVALID IP ADDRESS FOR sp—ADDRESS ip address
FKX623I  NO DATACOL PROCEDURE DEFINED FOR SERVICE POINT sp
FKX624I  NO DROP PROCEDURE DEFINED FOR SERVICE POINT sp
FKX625I  DROP PROCEDURE module_name COULD NOT BE FOUND FOR sp
FKX701I  THE CURRENT STATUS OF restype resname IS resstat
FKX702I  THE CURRENT STATUS OF restype resname IS NORMAL
FKX915I  INCORRECT MIB VARIABLE FORMAT. ONE VARIABLE PER LINE
FKX916I  NO VALUE SPECIFIED.
FKX917I  NO VARIABLE NAME SPECIFIED
FKX931I  NO INDEX MIB DEFINED FOR TABLE GROUP group
FKX932I  THE REQUESTED GROUP group DOES NOT EXIST IN THE FKKSNMP FILE
FKX941I  INCORRECT field SPECIFIED FOR RESOURCE resname SNMPMIB mibnum.
FKX942I  NO VALID SNMPMIBS FOUND FOR RESOURCE resname
FKX950E  INSUFFICIENT INFORMATION TO ACTIVELY MONITOR THIS RESOURCE
FKX951E  KEYWORDS FROM OTHER CONTROL FILE ENTRIES CANNOT BE DELETED
FKX952I  THE NEWLY ADDED FIELD IS SHOWN BUT MUST BE SUBMITTED TO TAKE EFFECT
FKX953E  ONE OF THE FOLLOWING IS REQUIRED: &1 &2 &3 &4
FKX954E  RESNAME resname ALREADY IN USE
FKX980I  UNIX SERVICES FUNCTION module_name WAS NOT FOUND
FKX981I  UNABLE TO RUN UNIX SERVICES FUNCTION module_name
FKX982I  UNIX SERVICES ERROR RECEIVED: message_text
FKX983I  NETVIEW TIMEOUT BEFORE RESPONSE RECEIVED FROM TCP/IP
IHS001I  HEARTBEAT INTERVAL FOR CMAS COMPONENTS IS SET TO number MINUTES.
IHS002E  CMAS MONITORING NOT STARTED. START PARAMETER NOT VALID.
IHS003E  CICS MONITORING NOT STARTED. START PARAMETER NOT VALID.
IHS004E  CICSplex SM INSTRUMENTATION RELEASE NOT VALID.
IHS008E  module name FAILED FOR component ID, RETURN return code.
IHS010I  IRC STATE IS value
Changes from NetView V1R2

IHS012I  VTAM STATE IS value.
IHS013E  INPUT PARAMETER parm NOT VALID.
IHS014I  HEARTBEAT INTERVAL FOR CICS COMPONENTS IS SET TO number MINUTES.
IHS0109W  The taskname task will be recycled in time seconds.
IHS0178E  taskname task CFG file error =>
IHS0179E  Found a closing translation bracket without an opening bracket.
IHS0180E  Found at least one opening translation bracket without a corresponding closing bracket.
IHS0317E  IHS0317E No valid CDS statements found in &1s CDS file &2s.
IHS0318    IHS0318 Unable to convert event to trap
IHS0319    IHS0319 Unable to send trap to manager
IHS0320    IHS0320 MVS SNMP agent not available
IHS500E    GLOBAL VARIABLE PREFIX (IHS.DB2.GLOBAL.PREFIX) NOT DEFINED
IHS501E    CID component ID NOT DEFINED CORRECTLY IN CLIST module name
IHS502E    GLOBAL VARIABLE variable name NOT DEFINED IN CLIST module name
IHS503E    LOCATE TASK CONTAINS ERRONEOUS INPUT VALUES OF input value IN CLIST module name
IHS504E    GEMAPI API name FAILED WITH RC return code IN CLIST module name
IHS505E    COMMAND command INVALID IN CLIST module name
IHS506I    DB2 FOR subsystem prefix NOT STARTED
IHS507I    DDF FOR subsystem prefix NOT STARTED
IHS508I    UTILITIES ABENDED FOR subsystem prefix
IHS509I    DDF FOR subsystem prefix UP AND OPERATIONAL
IHS510I    GEMAPI API name EXECUTED SUCCESSFULLY IN CLIST module name
IHS511I    DATABASE DSNDDB01 (SYSTEM DIRECTORY) CANNOT BE QUERIED
IHS512E    DSI GET FAILED
IHS514E    INVALID PARAMETER. SUBSYS MUST BE 1-4 CHAR
IHS515E    INVALID PARAMETER. ONLY SELECT SQL ALLOWED
IHS516E    INVALID PARAMETER. SQL MAX 256 CHAR
IHS518E    SQL ERROR. SQLCODE=xxxxxxxxxxxxxxxx
IHS519E    SQL WARNING. SQLCODE=xxxxxxxxxxxxxxxx
IHS520E    TOO MANY COLUMNS REQUESTED
IHS521E    COLUMN TYPE IS NOT SMALLINT, INT, CHAR, VARCHAR
<table>
<thead>
<tr>
<th>Code</th>
<th>Message Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHS522E</td>
<td>SQL DATA BUFFER OVERFLOW</td>
</tr>
<tr>
<td>IHS523E</td>
<td>MESSAGE DATA BUFFER OVERFLOW</td>
</tr>
<tr>
<td>IHS524E</td>
<td>DSIGET FAILED. RETURN CODE X'return code'</td>
</tr>
<tr>
<td>IHS525E</td>
<td>INVALID PARAMETER. REQUIRE SUBSYS</td>
</tr>
<tr>
<td>IHS526E</td>
<td>CONNECT TO DB2 SUBSYS subsystem FAILED. DB2 RETURN CODES xxxxxxxx/yyyyyyyyyyyyyyyy</td>
</tr>
<tr>
<td>IHS527E</td>
<td>CALL TO DB2 DSNWLI FAILED. DB2 RETURN CODES xxxxxxxx/yyyyyyyyyyyyyyyy</td>
</tr>
<tr>
<td>IHS528E</td>
<td>CALL TO DB2 IFI FAILED. DB2 RETURN CODES xxxxxxxx/yyyyyyyyyyyyyyyy</td>
</tr>
<tr>
<td>IHS529I</td>
<td>(IHSB2IFI PLACEHOLDER) IDBACK=data1 IDFORE=data2 CTHREAD=data3 MAXDBAT=data4</td>
</tr>
<tr>
<td>IHS530E</td>
<td>HEARTBEAT ROUTINE CANNOT RUN UNTIL INITAMI HAS BEEN RUN</td>
</tr>
<tr>
<td>IHS531W</td>
<td>NO DB2 SUBSYSTEMS DETECTED ON domain</td>
</tr>
<tr>
<td>IHS532I</td>
<td>NO TARGET NETVIEWS FOUND IN THIS FOCAL POINT'S SPHERE OF CONTROL</td>
</tr>
<tr>
<td>IHS533W</td>
<td>NO RESOURCES FOUND FOR DB2 subsystem ON domain</td>
</tr>
<tr>
<td>IHS534W</td>
<td>DEREG FAILURE FOR component ID. RETURN CODE=return code. PROCESSING CONTINUES.</td>
</tr>
<tr>
<td>IHS535E</td>
<td>HEARTBEAT ENDED WITH DEREG FAILURE FOR component ID. RETURN CODE=return code.</td>
</tr>
<tr>
<td>IHS536W</td>
<td>SEND HB FAILURE FOR component ID. RETURN CODE=return code. PROCESSING CONTINUES.</td>
</tr>
<tr>
<td>IHS537E</td>
<td>HEARTBEAT ENDED WITH SEND HB FAILURE FOR component ID. RETURN CODE=return code.</td>
</tr>
<tr>
<td>IHS538W</td>
<td>SEND THRSH FAILURE FOR component ID. RETURN CODE=return code. PROCESSING CONTINUES.</td>
</tr>
<tr>
<td>IHS539E</td>
<td>HEARTBEAT ENDED WITH SEND THRSH FAILURE FOR component ID RETURN CODE=return code.</td>
</tr>
<tr>
<td>IHS540E</td>
<td>INPUT VALUES FOR TABLESPACE AND INDEX ARE MUTUALLY EXCLUSIVE</td>
</tr>
<tr>
<td>IHS541E</td>
<td>IHSB2REG FAILURE FOR suborigin. RC=return code.</td>
</tr>
<tr>
<td>IHS542W</td>
<td>GEMRNC FAILURE FOR component ID. RETURN CODE=return code. PROCESSING CONTINUES.</td>
</tr>
<tr>
<td>IHS543E</td>
<td>HEARTBEAT ENDED WITH GEMRNC FAILURE FOR component ID. RETURN CODE=return code.</td>
</tr>
</tbody>
</table>

**Changed Messages**

- **BNH062I**  
  *taskid ON netid.luname IS NOT A DISTRIBUTED AUTOTASK*

- **BNH064I**  
  DISTRIBUTED ORIGIN ORIGIN ORIGIN EXP

- **BNH083I**  
  REMOTE DISTRIBUTED REMOTE
Changes from NetView V1R2

BNH159I  
opername taskname curcpu sesscpu maxcpu limcpu curget maxget limget slowget curmqi sessmqi maxmqi limmqi curmqo sessmqo maxmqo

BNH375I  
DDNAME MEMNAME HITS LOADTASK STORAGE DATE TIME DP

BNH376I  
OPID TSOSERV MEMBER PPI NAME STATUS STARTER

BNH500E  
ERROR number FROM SQL, DETECTED IN module

BNH501I  
RDS: number DBSS: number; number ROWS DONE; string

BNH502I  
MESSAGE PARAMETER string

BNH503E  
SQL RC -934: UNABLE TO FIND MODULE module

BNH504E  
SQL RC -805: ACCESS MODULE name NOT FOUND; REFER TO INSTALLATION INSTRUCTIONS AND THE CNMSJSQL SAMPLE TO GENERATE THE ACCESS MODULE

BNH505E  
OBJECT EXISTS ALREADY

BNH509E  
SQL RC -205: COLUMN colname NOT FOUND IN creator.table

BNH510E  
UNABLE TO OBTAIN HELP FROM SQL (RETURN CODE number)

BNH513E  
USE "SQL CONNECT TO" TO IDENTIFY THE SUBSYSTEM (REASON hex)

BNH517E  
TASK taskname IS NOT STARTED

BNH518E  
DB2 NOT PRESENT IN SYSTEM

BNH519E  
DB2 CONNECTION USING PLAN word ALREADY ACTIVE

BNH521E  
ERROR number REASON hex ON CALL TO interface fn

BNH523E  
PLAN word IS NOT AUTHORIZED

BNH524E  
SUBSYSTEM name IS NOT UP

BNH528I  
DB2 subsystem TERMINATED CODE termcode

BNH530I  
Interface LEVEL DOES NOT MATCH DB2 subsystem

CNM299I  
command : CODE4 - 'member' WAS NOT FOUND

CNM335I  
SHOWCODE : CODE12 - YOU ARE NOT AUTHORIZED TO BROWSE 'member'. THE DSIKVS MACRO RESULTED IN A NONZERO RETURN CODE.

CNM383I  
NO ALTERNATE KEY DEFINITION FOUND.

CNM509E  
THE COMPARISON OPERATOR FOLLOWING "function" FUNCTION SPECIFICATION IS NOT VALID

CNM526E  
PARAMETER VALUE SPECIFIED FOR "action" ACTION IS NOT VALID

CNM933I  
SEARCH LIMITS ARE INVALID

CNM934I  
INVALID DELIMITED STRING ENCOUNTERED

DSI373I  
FREE COMMAND FAILED, FILE IS OPEN

DSI568I  
command FAILED FOR 'SP_spkey=SP_spname, APPL_applkey=APPL_applname' : TRANSPORT ERROR, SENSE CODE= 'X'code'
Changes from NetView V1R2

DSI574I command FAILED FOR 'SP_spkey=SP_spname,
APPL_applkey=APPL_applname' : APPL_applkey BUSY OR NOT AVAILABLE, SENSE CODE= X'code'

DSI575I command FAILED FOR 'SP_spkey=SP_spname,
APPL_applkey=APPL_applname' : TEST NOT SUPPORTED BY APPL_applkey, SENSE CODE= X'code'

DSI578I command FAILED FOR 'SP_spkey=SP_spname,
APPL_applkey=APPL_applname' : selfkeyword=selfvalue INVALID FOR APPL_applkey, SENSE CODE= X'code'

DSI598I command FAILED FOR 'SP_spkey=SP_spname,
APPL_applkey=APPL_applname' : INVALID SYNTAX DUPLICATE LCC NAMES. SENSE CODE= X'code'

DSI599I command FAILED FOR 'SP_spkey=SP_spname,
APPL_applkey=APPL_applname' : NO ENTRY EXISTS IN THE ACTIVE CONFIGURATION. SENSE CODE= X'code'

DUI3901I FLUSHING GMFHS IN STORAGE TRACE TABLE

DUI3902I TRACE – DISPLAY OR CHANGE TRACE PARAMETERS

DUI3903I FLUSH OF GMFHS IN STORAGE TRACE TABLE COMPLETE

DUI4000E NETVIEW SUBSYSTEM NOT AVAILABLE FOR PPI REQUEST

DUI4001E ALERT TRANSLATION TABLE table NOT FOUND

DUI4002E ALERT PROCESSOR processor NOT FOUND, ALERTS GENERATED: number

DUI4003I GMFHS NETWORK CONFIGURATION INITIALIZED SUCCESSFULLY

DUI4004E GMFHS CONFIGURATION INITIALIZATION COMPLETED BUT ERRORS WERE LOGGED - CONFIGURATION START: starttime END: endtime

DUI4005A GMFHS CONFIGURATION INITIALIZATION FAILED, RETURN CODE = retcode - CONFIGURATION START: starttime END: endtime

DUI4006E THE COMMAND command1 REQUEST IN PROGRESS, NEW command2 REQUEST IGNORED

DUI4007A GMFHS TERMINATING DUE TO CRITICAL ERROR FOR DOMAIN = domainid

DUI4008E INITIALIZATION PARAMETER parameter IS NOT VALID, OR IS DUPLICATED

DUI4009E A TYPE OF NETWORK, DOMAIN OR VIEW MUST BE SPECIFIED WITH THE CONFIG COMMAND

DUI4010E objecttype objectid NOT FOUND, command COMMAND REJECTED

DUI4011E GMFHS ATTEMPTED TO SEND A MESSAGE TO SCOPE CHECKER OPTIONAL TASK BUT FAILED

DUI4012E NO objecttypeS ARE DEFINED
Changes from NetView V1R2

DUI4013I  TASK = task STATUS = WAIT QUEUE DEPTH = qcount
DUI4014I  CONFIG COMMAND ERROR: THE INDD PARAMETER WAS CODED WITH LOAD=NO
DUI4016I  CONFIG COMMAND PROCESSING INITIATED
DUI4017E  command COMMAND PROCESSING COMPLETED WITH ERRORS - START: starttime END: endtime
DUI4018A  command COMMAND PROCESSING FAILED -REASON = reason - START: starttime END: endtime
DUI4019I  NETWORK CONFIGURATION DEFINITION WILL BE REINITIALIZED
DUI4020A  METHOD method FAILED AT endtime, RETURN CODE = retcode REASON CODE = reason TRANSACTION = transactionid
DUI4021I  value IS REPEATED IN THE parameter PARAMETER OF THE command COMMAND
DUI4022A  DUIGINIT CHECKPOINT PARAMETER keyword IS INVALID OR CONFLICTS
DUI4023E  STATUS SOLICITATION FOR DOMAIN domainid FAILED. SOLICITATION START: starttime END: endtime
DUI4024A  GMFHS TASK taskid LOGGED AN INTERNAL ERROR AT errortime FOR DOMAIN = domainid
DUI4025A  RODM CHECKPOINT FAILED AT failtime RETURN CODE = retcode REASON CODE = reason
DUI4026A  RODM CONNECTION LOST AT losstime
DUI4027I  GMFHS MAIN TASK INITIALIZATION IS COMPLETE FOR DOMAIN = domainid
DUI4028E  INITIALIZATION MEMBER DUIGINIT WAS NOT FOUND IN THE DSIPARM DATASET
DUI4029E  GMTOFFSET PARAMETER IS NOT FORMATTED CORRECTLY
DUI4030E  RODM rodparm MISSING FROM INITIALIZATION PARAMETERS
DUI4031I  GMFHS IS TERMINATING OR IS IN THE PROCESS OF TERMINATING DUE TO OPERATOR REQUEST FOR DOMAIN = domainid
DUI4033I  RODM CONFIGURATION STATUS = PENDING
DUI4034E  THE COMMAND command IS NOT VALID. USE THE “HELP” COMMAND FOR A LIST OF THE VALID COMMANDS
DUI4035I  NETWORK MANAGEMENT DOMAIN DISPLAY
DUI4036I  NAME = domainid TYPE = domtype STATE = domstate CFGTM = timestamp SESS = sessionstat NMG = nmgid
DUI4037I  END
DUI4038I  NETWORK MANAGEMENT GATEWAY DISPLAY
DUI4039I  NMG = nmgname STATUS = nmgstatus TRAN = transport WINDOW = winsize OUT = cmdsout SENT = cmdssent
Changes from NetView V1R2

DUI4040I  STATUS DISPLAY
DUI4041I  RODM CONFIGURATION STATUS = COMPLETE
DUI4042I  TYPE = sessType STATUS = sessionstat SESSION = session PPIST = ppistatus
DUI4043I  TYPE = sessType STATUS = sessionstat SESSION = session
DUI4044I  GMFHs TASK DISPLAY
DUI4045I  TASK = task STATUS = ACTIVE QUEUE DEPTH = qcount
DUI4046I  AGGREGATION PROFILE UPDATED AT: time
DUI4048I  OPERATOR HELP MENU
DUI4049I  GMFHs DOMAIN CONFIGURATION INITIALIZED SUCCESSFULLY
DUI4050I  GMFHs VIEW CONFIGURATION INITIALIZED SUCCESSFULLY
DUI4051E  TASK task NOT FOUND
DUI4052I  RODM CONFIGURATION STATUS IS NOT INITIALIZED
DUI4053I  CONFIG COMMAND ERROR: THE DD NAME ddname WAS NOT FOUND
DUI4054I  INITIALIZATION PARAMETER DISPLAY
DUI40561  TRACE IS ALREADY ACTIVE
DUI4057I  TRACE HAS BEEN ACTIVATED
DUI4058I  TRACE HAS BEEN DEACTIVATED
DUI4059I  TRACE COMMAND MUST INCLUDE keyword1, keyword2, or keyword3 KEYWORD
DUI4060I  CURRENT TRACE SETTINGS
DUI4061I  command COMMAND IS NOT FORMATTED CORRECTLY
DUI4062I  parameter IS NOT VALID IN A command COMMAND
DUI4063I  value IS NOT VALID IN THE parameter PARAMETER OF THE command COMMAND
DUI4064I  A VALUE MUST BE SUPPLIED WITH THE parameter PARAMETER OF THE command COMMAND
DUI4065I  value IS UNEXPECTED IN THE parameter PARAMETER OF THE command COMMAND
DUI4066I  THE parameter PARAMETER IS DUPLICATED IN THE command COMMAND
DUI4067I  A DOMAIN OR NMG PARAMETER IS REQUIRED IN THE SHOW COMMAND
DUI4068I  command COMMAND PROCESSED FOR task
DUI4069A  RODM CLASS class NOT FOUND
DUI4070E  GMFHs ATTEMPTED TO ESTABLISH COMMUNICATIONS WITH CNMTAMEL BUT FAILED FOR DOMAIN = domainid
DUI4071E  RODM METHOD method NOT FOUND
Changes from NetView V1R2

**DUI4072E**  PPI SEND FAILURE, SENDER ID = sender, RECEIVER ID = recvrid, RETURN CODE = retcode

**DUI4073E**  PPI RECEIVE FAILURE, RECEIVER ID = recvrid, RETURN CODE = retcode

**DUI4074E**  GMFHS CONSTANTS TABLE OVERRIDE override IS NOT VALID, OR IS OUTSIDE ALLOWED LIMITS

**DUI4075E**  override LIMITS ARE: LOWER LIMIT = lowlimit, UPPER LIMIT = highlimit

**DUI4076E**  ERROR ENCOUNTERED IN THE INITIALIZATION ROUTINE FOR TRACE PARAMETER traceparm

**DUI4076E**  RODM CLASS class FIELD field NOT FOUND

**DUI4078I**  SHOW NMG - DISPLAYS ALL NMGS DEFINED IN RODM

**DUI4079I**  SHOW DOMAIN - DISPLAYS ALL DOMAINS DEFINED IN RODM

**DUI4080I**  STATUS - DISPLAYS STATUS OF GMFHS

**DUI4081I**  TASK = task STATUS = STOPPED QUEUE DEPTH = qcount

**DUI4082I**  TASK - DISPLAYS CURRENT TASK INFORMATION

**DUI4083I**  HELP - DISPLAYS THE HELP MENU

**DUI4084I**  TASK = task STATUS = ENQUEUED QUEUE DEPTH = qcount

**DUI4085I**  TERM – TERMINATES GMFHS

**DUI4086I**  LISTINIT – DISPLAYS THE INITIALIZATION PARMS

**DUI4087I**  CONFIG – SYNCHRONIZE GMFHS WITH RODM UPDATES

**** END OF MENU DISPLAY *****


**DUI4090I**  TRACING IS globtracestat

**DUI4091I**  taskid tasktracestat LEVEL tracelevel PRINT printstatus RODM rodmtrace IPC ipctrace PPI ppitrace STORAGE storagetrace IPCAPI = (api1, api2, ..., apiN)
Changes from NetView V1R2

DUI4092E GMFHS UNABLE TO COMMUNICATE WITH RODM rodm
DUI4093E THERE ARE NO ACTIVE RODM SESSIONS FOR GMFHS TO CONNECT TO
DUI4094E RODM USERID NOT DEFINED
DUI4095E RODM PASSWORD NOT AUTHORIZED
DUI4096E AN ERROR REQUIRING RESYNCHRONIZATION HAS BEEN FOUND IN THE AGGREGATION HIERARCHY
DUI4097E RODM CONNECT FAILURE
DUI4098E GENERAL RODM FAILURE, RETURN CODE = retcode, REASON CODE = reason
DUI4099E GENERAL PPI FAILURE, RETURN CODE = retcode
DWO332I DISTRIBUTED AUTOTASK autooper ON rmtnet.rmtlu FAILED TO BEGIN PROCESSING THE FOLLOWING COMMAND: 'cmdtext'
DWO336I DISTRIBUTED AUTOTASK autooper ON autonet.autolu NOT Terminated
DWO524I DISTRIBUTED AUTOTASK autooper ON autonet.autolu WAS TERMINATED BY termoper ON termnet.termlu
DWO571I DISTRIBUTED AUTOTASK taskid ON netid.luname TERMINATED
DWO574E DISTRIBUTED AUTOTASK FAILED ON netid.luname
EZL970I NO TIMERS ARE SCHEDULED FOR THE FILTER CRITERIA 'filter'
FKX622I NO ACTIVE TSO SERVERS FOR SERVICE POINT sp
IHS0001E errorcode parm1 parm2 parm3
IHS0022E Unable to open DD member for initialization.
IHS0036E Setup for ASCII to EBCDIC conversion failed.
IHS0037E ASCII to EBCDIC conversion failed.
IHS0118I adapter task has terminated.
IHS0122I adapter task already started or start in progress.
IHS0123I adapter task already stopped or stop in progress.
IHS0124I adapter task initialization complete.
IHS0156E Found a closing subvector length brace without an opening brace.
IHS0157E Found a closing suspend translation brace without an opening brace.
IHS0158E Found an incorrect character in the subvector translation stream.
IHS0159E The calculated length (calclength) and user specified length (userlength) of a subvector do not match. Using calculated length.
IHS0160E The calculated length (calclength) of a subvector is not between 2 and 255 bytes.
IHS0161E The length (length) of a subfield runs beyond the subvector or is zero.
Changes from NetView V1R2

IHS0162E Found at least one opening subvector length brace without a corresponding closing brace.

IHS0163E Found at least one opening suspend translation brace without a corresponding closing brace.

IHS0164E The Alert Receiver PPI mailbox mailbox is not defined. The alert will be discarded.

Deleted Messages

<table>
<thead>
<tr>
<th>CNM995E</th>
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Samples

This section lists new and deleted samples for migration considerations.

- *"New Samples"*
- *"Deleted Samples"*

New Samples

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<thead>
<tr>
<th>CNMBFF9</th>
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Notes:
1. ipdiscovery.conf
2. fxxcm
3. nv390mibs.def
4. snmp.conf
5. nv390srvr.conf

Deleted Samples

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<tr>
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Appendix D. 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 226
- "Samples" on page 227

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 CNM0STRRT CNM1NCS2 CNM1NCS3
CNM1NETV CNM1OVE2 CNM1OVER CNM2CON2
CNM5HC1B CNM5HCCCL CNM5HF01 CNM5HF02
CNM5HF06 CNM5M5GS CNM50000 CNM50001
CNM50002 CNM50003 CNMHTCOM CNMHTCPY
CNMHTHDR CNMHTSC CNMKHECO CNMKMOFY
CNMKNCCF CNMKNCCS CNMKNEEW CNMKNLS1
CNMKNLUD CNMKNPDA CNMKVARY CNMKVTTC
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 226
- "Changed Command Lists" on page 226
- "Deleted Command Lists" on page 226
### New Command Lists

<table>
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### Changed Command Lists

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### Deleted Command Lists

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### Messages

This section lists new, changed, and deleted messages for migration considerations.

- [“New Messages”](#)
- [“Changed Messages”](#)
- [“Deleted Messages”](#)

#### 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*
Changes from NetView V1R3

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 oper_id SAF NETVIEW segment data.
BNH177I Display of oper_id SAF BASE segment data.
BNH178I Display of oper_id SAF OMVS segment data.
BNH179I Display of oper_id 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

Appendix D. Changes from NetView V1R3 to NetView V1R4 227
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.
Changes from NetView V1R3

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
Changes from NetView V1R3

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
Changes from NetView V1R3

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
Changes from NetView V1R3

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
DUI292I UNABLE TO CREATE RODM OBJECT myname FOR POLICY policy_def IN THE AGGREGATE_COLLECTION_CLASS. TIMER HANDLE timer_handle MODULE module_name RETURN CODE return_code
DUI4206I 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

Appendix D. Changes from NetView V1R3 to NetView V1R4
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 FFKXSNMP FILE
FKX934I  INVALID GROUP DEFINITION group IN FFKXSNMP 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
Changes from NetView V1R3

**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

**DU1121E** 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

**DU14011E** GMFHS ATTEMPTED TO SEND A MESSAGE TO SCOPE CHECKER OPTIONAL TASK BUT FAILED

**DU14388E** 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
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CNM292  CNM293  CNM294  CNM295
CNM296  CNM297  CNM298  CNM477
CNM700  CNM701  CNM702  CNM703
CNM704  CNM705  CNM706  CNM709
CNM710  CNM713  CNM885  CNM947
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DUI1362  DUI1365  DUI1366  DUI1367
DUI1368  DUI1369  DUI1370  DUI1371
DUI372  EZL240  EZL603  EZL604
EZL605  EZL606  EZL653  FLC117

Samples

This section lists new and deleted samples for migration considerations.

- ["New Samples" on page 238](#)
- ["Deleted Samples" on page 238](#)
### Changes from NetView V1R3

#### New Samples

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#### Notes:
1. fkxsnmp.grp
2. node.def
3. pollobj.def
4. resource.def
5. template.def
6. view.def
7. config.properties
8. JdmServerProperties.txt
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Changes from NetView V1R3
Appendix E. 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:

- "Help Panels"
- "Command Lists” on page 245
- "Messages” on page 246
- "Samples” on page 255

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"
- "Deleted Help Panels"

New Help Panels

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Changes from NetView V1R4

Appendix E. Changes from NetView V1R4 to NetView V5R1
Changes from NetView V1R4

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### Command Lists

This section lists new and deleted command lists for migration considerations.

- **New Command Lists**
- **Deleted Command Lists**

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### Changes from NetView V1R4

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- **FKWES1XIP**
- **FKWES1FLCAE**
- **FKWES1FLCANS**

### Messages

This section lists new, changed, and deleted messages for migration considerations.

- **New Messages** on page 247
- **Changed Messages** on page 249
- **Deleted Messages** on page 252
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'
Changes from NetView V1R4

- 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 rename
- EZL244E DSICTMOD RUNCMD TIMEOUT HAS BEEN EXCEEDED, RUNCMD TO service point FAILED FOR program.
- EZL245E RUNCMD 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
- FHX101I IDLE TIME THRESHOLD EXCEEDED FOR CONNECTION conn_id BETWEEN stack_ipaddr : port AND client_ipaddr : port. ACTION=NOTIFY SP=sp_name POLICY=policy_name.
- FHX102I IDLE TIME THRESHOLD EXCEEDED FOR CONNECTION conn_id BETWEEN stack_ipaddr : port AND client_ipaddr : port. ACTION=DROP SP=sp_name POLICY=policy_name.
- FHX104I MINIMUM BYTES THRESHOLD EXCEEDED FOR CONNECTION conn_id BETWEEN stack_ipaddr : port AND client_ipaddr : port. ACTION=NOTIFY SP=sp_name POLICY=policy_name.
- FHX105I MINIMUM BYTES THRESHOLD EXCEEDED FOR CONNECTION conn_id BETWEEN stack_ipaddr : port AND client_ipaddr : port. ACTION=DROP SP=sp_name POLICY=policy_name.
- FHX107I MAXIMUM BYTES THRESHOLD EXCEEDED FOR CONNECTION conn_id BETWEEN stack_ipaddr : port AND client_ipaddr : port. ACTION=NOTIFY SP=sp_name POLICY=policy_name.
- FHX108I 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 ORIGIN
BNH065I AUTOTASK NETVIEW OPERATOR VERSION TRANSPORT
BNH401E  LOAD FAILED FOR DB2 INTERFACE MODULE 'module_name'
WITH ABEND CODE = 'abend_code' AND REASON CODE = '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

Additionally, all FKW, FLCA, FLCE, and FLCF messages were deleted, except the following which were renamed:

Table 40. NetView V5R1 Message IDs That Were Renamed

<table>
<thead>
<tr>
<th>Pre-NetView V5R1 Message ID</th>
<th>NetView V5R1 Message ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>FKW201I</td>
<td>EZL242I</td>
</tr>
<tr>
<td>FKW204I</td>
<td>EZL222I</td>
</tr>
<tr>
<td>FKW732E</td>
<td>EZL244E</td>
</tr>
<tr>
<td>FKW733E</td>
<td>EZL245E</td>
</tr>
<tr>
<td>FKW829E</td>
<td>EZL246E</td>
</tr>
</tbody>
</table>
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 |
| FXXSCM | FXXSDVPT | FXXVHTML | FXXWHTML |
| FLCAINP | |

Deleted Samples

| CNM$SAMP | CNMIPDCN | CNMSXBAS | CNMSXMON |
| DSI$CMRRC | DSI$CMRMT | DSI$DMNK | DSI$SPN |
| EKGSYS | EKGS4SYS | EKGS8SYS | EZL$SYS |
| EZL$CMDT | FKWCFGDL | FKWCFG01 | FKWCGLOB |
| FKWCMD | FKWHELP | FKWNDCMD | FKWOPF |
| FKWTABLE | FKWTREE | FXXCM | FXXSNMP |
| FLBGMMPR | FLBSYSDA | FLBS4210 | FLBS4211 |
| FLCSAIL | FLCSAINP | FLCSDM6A | FLCSDM6N |
| FLCEAHL | FLCEAUT | FLCEATM | |
| FLCSENL | FLCSNAUT | FLCSNAU | |
| IHSDNODE | IHSDPOLL | IHSDRESO | IHSDTEMP |
| IHSDVIEW | IHSMIBS | IHSPCONF | IHSPJDM |
| IHSSNMP | IHSSRVR | |

Notes:
1. ipdiscovery.conf
2. fkxcm
3. fxxsnmp.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
Changes from NetView V1R4
Appendix F. AON CMDMDL Statements Without SEC=BY

The SEC=BY keyword can be removed from the AON CMDMDL 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 CMDMDL statements for the NetView V5R1 program. Some of these CMDMDL statements may not exist or may be located in a different %INCLUDE member for the release from which you are migrating.

DSICMENT

This section lists CMDMDL statements that have had the SEC=BY keyword removed. The CMDMDL statements are in %INCLUDE member DSICMENT.

EZLEASLN     EZLENFRM     EZLERGWY     EZLE1900

EZLCMD

This section lists CMDMDL statements that have had the SEC=BY keyword removed. The CMDMDL statements are in %INCLUDE member EZLCMD.

EZLALOG       EZLASTS       EZLAUST       EZLE1CDL
EZLE1CNT      EZLE1DAL      EZLE1DOM      EZLE1FUL
EZLE1FWD      EZLE1GXC      EZLE1GXD      EZLE1GXE
EZLE1101      EZLE1102      EZLE1103      EZLE1104
EZLE1105      EZLE1106      EZLE1107      EZLE1108
EZLE11CK      EZLE11GT      EZLE11MN      EZLE11NT
EZLE11TF      EZLE11XD      EZLE11XL      EZLE11TF
EZLE1RGT      EZLE1RNT      EZLE1RSP      EZLE1RTN
EZLE1RU/D     EZLE1RUR      EZLE1RUT      EZLE1RUU
EZLE1RU/X     EZLE1TMX      EZLE1UFW      EZLE1XMN
EZLE1XTF      EZLE4110      EZLE4120      EZLE7110
EZLE7210      EZLE8110      EZLE8120      EZLE8410
EZLE8611      EZLE8612      EZLEAAAGD     EZLEAAIC
EZLEAANV      EZLEAAAT1     EZLEAAAT2     EZLEAAAT3
EZLEAAAT4     EZLEAAAT5     EZLEAAAT6     EZLEAAAT8
EZLEAAAT9     EZLEAAATR     EZLEAAATS     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      EZLEAILN
EZLEAINT      EZLEAIOP      EZLEAIPL      EZLEAIRP
EZLEAISM      EZLEAJUL      EZLEALCL      EZLEALD1
EZLEALDR      EZLEALFL      EZLEALIC      EZLEALR5
EZLEALSW      EZLEANTL      EZLEARCY      EZLEARFR
EZLEARST      EZLEASAO      EZLEASC0      EZLEASCN
EZLEASTK      EZLEASTM      EZLEATDS      EZLEATRC
EZLEATST      EZLEAU01      EZLEAU02      EZLEAU03
This section lists CMDMDL statements that have had the SEC=BY keyword removed. The CMDMDL statements are in %INCLUDE member FKVCMD.

<table>
<thead>
<tr>
<th>EZLENCCH1</th>
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This section lists CMDMDL statements that have had the SEC=BY keyword removed. The CMDMDL statements are in %INCLUDE member FKXCMD.

<table>
<thead>
<tr>
<th>FKXEACT2</th>
<th>FXXEAMSI</th>
<th>FXXEID1</th>
<th>FXXEID2</th>
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<td>FXXEDDFP</td>
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<td>FXXEID2</td>
<td>FXXEID1</td>
<td>FXXWIND1</td>
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