CA SYSVIEW® Performance Management

Release Notes

Release 13.9

CA Technologies Product References

This document references the following CA Technologies products:

- CA Application Performance Management (CA APM)
- CA DATACOM®/DB (CA Datacom/DB)
- CA Graphical Management Interface (CA GMI)
- CA Chorus™ Software Manager (CA Chorus Software Manager)
- CA Chorus™
- CA OPS/MVS® Event Management and Automation (CA OPS/MVS)
- CA SYSVIEW® Performance Management (CA SYSVIEW)
- CA SYSVIEW® Performance Management Option for CICS (CA SYSVIEW Option for CICS)
- CA SYSVIEW® Performance Management CA Datacom® Option (CA SYSVIEW CA Datacom Option)
- CA SYSVIEW® Performance Management Option for IMS (CA SYSVIEW Option for IMS)
- CA SYSVIEW® Performance Management Option for TCP/IP (CA SYSVIEW Option for TCP/IP)
- CA SYSVIEW® Performance Management Option for WebSphere MQ (CA SYSVIEW Option for WebSphere MQ)

Contact CA Technologies

Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At http://ca.com/support, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

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Contents

Chapter 1: New Features

This section contains the following topics:

DVD Delivery

This product can be installed from directories on your CA Technologies mainframe product DVD.

Note: For more information, see the *Installation Guide* on the DVD.

Chapter 2: Enhancements to Existing Features

This section contains the following topics:

CA Chorus Software Manager

CA Mainframe Software Manager™ (CA MSM) is renamed to CA Chorus™ Software Manager (CA Chorus Software Manager) and adopts the CA Chorus look-and-feel.

CA Chorus Software Manager Release 5.1 lets you manage and organize tasks with policies. Use task management policies to copy, delete, and move task output. Select tasks that are based on criteria including their age and their type. Create task policies using the Task Policy wizard.

Note: For more information, see the *CA Chorus Software Manager User Guide*.

Documentation

This section contains topics that are related to documentation enhancements.

Technical Information Content Philosophy

The documentation set focuses on the following key areas:

- Role-based scenarios that detail steps to complete key business processes. These scenarios can appear in traditional guides and as standalone Knowledge Database articles on http://ca.com/support.
- An end-to-end view that gives you access to content across the full lifecycle of your product, including content from technical information, product management, support, sales, services, and education. The bookshelf that is based on the end-to-end model provides you with traditional guides and links to various information sources that are related to your product.
- Concise product content that promotes usability and accessibility.

Installation Guide

The Installation Guide has been restructured and describes the following methods of installing your product:

- CA Chorus Software Manager
- Pax-Enhanced Electronic Software Delivery (Pax ESD)
- DVD

System Configuration Options

The system configuration options member is used to set configuration options during the initialization of CA SYSVIEW. The system configuration options member is located in the concatenation of the system parmlib data sets.

Example: SYS1.PARMLIB

Assign a subsystem ID to each instance or installation of CA SYSVIEW within a z/OS system or LPAR.

The four-character CA SYSVIEW subsystem ID (SSID) is used to name the System Configuration Options system parmlib member.

```
Member name = GSVXssid
```

The first four characters of the member name are *always* GSVX.

For example:

```
SYSVIEW subsystem ID = GSVX
Member name = GSVXGSVX
```

The default SYSVIEW subsystem ID is GSVX.

Multiple instances of CA SYSVIEW can be installed on a single z/OS system. These instances of CA SYSVIEW can be of the same or different release levels.

- Multiple instances at the same release levels *cannot* share the SYSVIEW subsystem ID or System Configuration Options member. Assign a unique subsystem ID to each SYSVIEW running at the same release level.
- Multiple instances at different release levels can share the SYSVIEW subsystem ID and System Configuration Options member.

If multiple instances of CA SYSVIEW are installed with the same subsystem ID, those instances specify their system configuration options in the same SYS1.PARMLIBs member GSVX*ssid*.

Separate the options by release by enclosing the options for each instance within the following structure.

Those options that are not unique to an instance can be shared across multiple instances and do not need to be within an ")IF" statement.

Example 1:

```
)IF RELEASE=13.9
   option1
   option2
```

```
)ENDIF


)IF RELEASE=13.7
   option1
   option2
)ENDIF

)IF RELEASE=13.5
   option1
   option2
)ENDIF

)IF RELEASE=rr.m
   option1
   option2
)ENDIF
```

Example 2:

```
)IF RELEASE=13.9
   )INCLUDE mbr139
)ENDIF


)IF RELEASE=13.7
   )INCLUDE mbr137
)ENDIF

)IF RELEASE=13.5
   )INCLUDE mbr135
)ENDIF
```

In releases before CA SYSVIEW r13.5, the SYSVIEW GEN modules specified the system configuration options. The GEN modules are no longer used.

Library Concatenation

A CA SYSVIEW installation is comprised of several types of libraries or data sets designed to contain a specific type of data. This library is referred to as a library type(libtype).

A library type can consist of multiple data sets. These data sets dynamically concatenate when a read request is made for the specified library type.

Only one data set can be defined for each data set type. Therefore, a maximum of three data sets can be concatenated.

If defined, the data sets are concatenated in the following order:

```
libtype DD DISP=SHR,DSN=user.data.set
        DD DISP=SHR,DSN=site.data.set
        DD DISP=SHR,DSN=system.data.set
```

The possible data set types are:

User (Optional)

The optional user-defined data sets contain definitions or overrides to site or system definitions.

The users define and maintain the user data set names in their CA SYSVIEW profile.

Site (Optional)

The optional site defined data sets contain definitions or overrides to system definitions.

The site data set names are defined in the CA SYSVIEW System Configuration Options member: GSVXGSVX

The system configuration options member must be located in the concatenation of the z/OS system parmlib data sets.

Example: SYS1.PARMLIB

System

The required system defined data sets contain definitions or configuration options. The set of system data sets contains the original members the product installation delivered. The system data set names are defined in the CA SYSVIEW System Configuration Options member: GSVXGSVX

The system configuration options member must be located in the concatenation of the z/OS system parmlib data sets.

Example: SYS1.PARMLIB

For more information, see the following help topic: Library concatenation - USER, SITE, and SYSTEM

Exception Alert Summary

CA SYSVIEW has over 1000 variable metrics that can be used to monitor system resources or resources from subsystem components such as:

- CICS
- IMS
- WebSphere MQ
- TCP/IP

CA SYSVIEW typically monitors several 100,000 resources. You can create exception alerts for each resource or metric.

The command ALERTSUM is available to summarize and organize the monitoring of resources and metrics.

Example commands and displays:

- The alert summarization menu
- The alert summary by owner
- The alert summary by owner and resource
- The alert summary by owner and instance
- The alert summary by owner, instance, and resource

The monitored exception alerts can be summarized at several different levels:

Owner

Displays a single summary data row for each owner.

When the owner has multiple child instances, the alert information is rolled-up into the owner summary data row.

Possible owners:

- System
- MVS
- CICS
- IMS
- TCP/IP
- WebSphere MQ

Owner/Resource

Displays a single summary data row for each owner.

Displays a single data row for each resource summary group that is associated with the owner.

If the owner has multiple child instances, the alert information is rolled-up into the owner summary data row and the summary resource data rows.

Instance

Displays a single summary data row for each owner.

Displays a single data row for each instance that summarizes any associated resource summary groups that are associated with the owner.

Resource

Displays a single summary data row for each owner.

Displays a single data row for each instance that summarized any associated resource data rows.

Displays a data row for each resource that is associated with the instance.

Log Stream Usage

CA SYSVIEW maintains historical collection data for online viewing through MVS log streams.

Enhancements to the CA SYSVIEW log stream technology that is used to read and write from log streams provides the following benefits:

- A significant performance boost reducing the CPU used to read and write from a log stream.
- A reduction in the elapsed time to read many records from a log stream.

Installation Enhancements

The installation process has been enhanced.

Tape Installation

The installation of CA SYSVIEW using a physical tape or cartridge has been removed at release 13.9.

SYSVIEW LPA Library - CNM4BLPA

The CA SYSVIEW installation includes a new *hlq*.CNM4BLPA library that is in PDS format. The CNM4BLPA library contains modules that are required to be loaded into LPA using either of the following methods:

- The Dynamic Install utility, GSVXINST
- Permanently defining the modules to an IEALPA*xx* member of SYS1.PARMLIB

SYSVIEW Library Concatenation

A CA SYSVIEW installation is comprised of several types of libraries or data sets designed to contain a specific type of data. This library is referred to as a library type or libtype.

A library type can consist of multiple data sets. These data sets dynamically concatenate when a read request is made for the specified library type.

Only one data set can be defined for each data set type. Therefore, a maximum of three data sets can be concatenated.

If defined, the data sets are concatenated in the following order:

```
libtype  DD DISP=SHR,DSN=user.data.set
            DD DISP=SHR,DSN=site.data.set
            DD DISP=SHR,DSN=system.data.set
```

The allocation of SITE and SYSTEM data sets occur during the installation.

The SYSTEM data sets are populated with members for the current release.

The SITE data sets are only allocated. No members are copied to the SITE data sets. The SITE data sets are intended to be used for members the customer created. The members can contain definitions or overrides to system definitions. Reuse the SITE data sets when migrating to future releases.

The SAMPLIB data set contains sample jobs to allocate your USER and SITE data sets.

- Job to create the USER library data sets:

  `SYSVIEW.DEV.BASE.SAMPLIB(USERLIBS)`

- Job to create the SITE library data sets:

  `SYSVIEW.DEV.BASE.SAMPLIB(SITELIBS)`

CA SYSVIEW Maintenance

The CA SYSVIEW installation now generates these sample JCL members in the SAMPJCL data set to facilitate the application of maintenance:

- NM41HOLD - FTP Download SMP/E ERROR HOLDDATA
- NM47RECH - SMP/E Receive HOLDDATA
- NM47RECP - SMP/E Receive SYSMODS
- NM48APYP - SMP/E Apply PTFS
- NM49ACCP - SMP/E Accept PTFS

Download all available PTFs from http://ca.com/support.

User Replaceable Modules

The following modules are replaceable by the user.

- GSVBSSID - Default CA SYSVIEW Subsystem ID

  A started CA SYSVIEW job, address space, or user session must determine which instance of SYSVIEW the session connects to. Typically, users execute one instance of SYSVIEW on a system. The default subsystem ID of GSVX is assigned to the instance of SYSVIEW.

  Connect the job, address space, or user session to the correct instance of SYSVIEW by specifying the subsystem ID in either of the following cases:

  - Multiple instances of CA SYSVIEW are executing on a system
  - The subsystem that you assigned to the SYSVIEW instance is set to something other than GSVX

  Subsystem ID can be specified using various methods depending on the type of invocation: Job, Address Space, User Session.

  The GSVBSSID module contains the default CA SYSVIEW subsystem ID of GSVX. The contents of the module GSVBSSID are used when a subsystem ID is not specified when invoking the CA SYSVIEW session.

  This module is provided as a convenience for:

  - Executing multiple instances of SYSVIEW
  - Changing the default subsystem ID to something other than GSVX

- GSVBUXLT - User Translate Tables

  Translate table sets are defined in module GSVBUXLT. Use the TRTABLES command for looking at the in-storage tables. Use the USERMOD for assembling and linking the customized translate tables that can contain a different set of special characters.

  Note: See member USRM0002 in the SAMPJCL data set after running INSTALL.

  Note: Module GSVBUXLT is provided as a convenience and there is no requirement to modify it.

  CA SYSVIEW provides the following user translate table sets:

  Standard

  (Default) Provides the standard translate table set.

  Alternate

  Provides the alternate translate table set.

  XStandard

  Provides the extended standard table set.

  XAlternate

Provides the extended alternate table set.

USER1

Provides the user translate table set 1.

USER2

Provides the user translate table set 2.

Use the SET TRANSLATE <*setname*> command for changing the translate table set. Each translation table set contains the following tables:

AsciiToEbcdic

Translates ASCII to EBCDIC.

EbcdicToAscii

Translates EBCDIC to ASCII.

TestAscii

Tests for the displayable ASCII characters.

TestDisplay

Tests for displayable characters.

TestLower

Tests for lowercase characters.

TestSpecial

Tests for special characters.

TestUpper

Tests for uppercase characters.

XlateDisplay

Translates to displayable characters.

XlateLower

Translates uppercase characters to lowercase characters.

XlateUpper

Translates lowercase characters to uppercase characters.

Administration

The CA SYSVIEW administration features have been enhanced.

Parameter Library Members Added

The parameter library has been enhanced to include a new member.

New Member

The system configuration options parmlib member GSVXGSVX has been added.

```
SYSVIEW.DEV.BASE.PARMLIB(GSVXGSVX)
system.parmlib(GSVXGSVX)
```

Parameter Library Data Set Member GROUPS

The parameter library data set member GROUPS has been enhanced to include new logical group types.

IDMS

Specifies the IDMS job names.

Parmlib Member:

```
system.parmlib(GSVXGSVX)
```

Sample:

```
SYSVIEW.DEV.BASE.PARMLIB.SYSTEM(GSVXGSVX)
```

IDMS Component

The IDMS component has been enhanced to specify whether to activate the component CA SYSVIEW for IDMS.

Valid Values: Yes, No

Default: No

Site Library Data Set Names

The site library data sets are dynamically concatenated in front of the corresponding system data set. Use the site data set to create members for use in place of the members in the system data set.

Dsn-Site-CAPLIB

Specifies the data set name of the site Event Capture library. Members in the Event Capture library define a list of instructions to be processed when an Event Capture occurs.

- Valid Values: Any valid data set name.
- Default value: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users can have read access to the data set but not required. The user ID assigned to the SYSVIEW User Interfaces address space must have read access to the data set.
- Concatenation:

  1. Site data set (if defined)
  2. System data set

Dsn-Site-CLISTLIB

Specifies the data set name of the site command list library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-HELPLIB

Specifies the data set name of the site help library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-MAPLIB

Specifies the data set name of the site assembled maps library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-MIBLIB

Specifies the data set name of the site MIB library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-PANELLIB

Specifies the data set name of the site panel library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-PARMLIB

Specifies the data set name of the site parameter library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-PLOTLIB

Specifies the data set name of the site plot library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)
  2. Site data set (if defined)
  3. System data set

Dsn-Site-REXXLIB

Specifies the data set name of the site REXX exec library. CA SYSVIEW uses the text and compiled REXX execs that are in this data set. Logging on to the TSO/ISPF interface dynamically concatenates this library to the SYSEXEC DD.

The library is installed as a RECFM=F data set. Using a RECFM=V data set for the SYSEXEC DD requires copying and converting the SYSVIEW REXX library to a RECFM=V data set.

Note: You cannot simply copy the compiled REXX execs from a RECFM=F data set to a RECFM=V data set. They must be copied and then converted.

CA SYSVIEW supplies two REXX utility execs to copy and convert SYSVIEW REXX execs.

GSVUCFV1

Uses ISPF library management services for copying one or more REXX execs from a RECFM=F data set to a RECFM=V data set. This exec can also call the GSVUCFV2 exec, described next, to convert any copied complied REXX execs.

GSVUCFV2

Uses ISPF library management services for converting a single complied REXX exec from a RECFM=F data set to RECFM=V data set.

CA SYSVIEW supplies the following job in the SAMPLIB data set to copy and convert the REXX execs.

REXXFTOV

This SAMPLIB JCL member performs the following tasks:

1. Invokes the GSVUCFV1 REXX exec.

   This exec copies all REXX execs from RECFM=F data set to RECFM=V data set.

2. Converts any compiled REXX execs that were copied by invoking the GSVUCFV2 exec.

Note: Make sure that your Dsn-Site-REXXLIB option specifies the data set of the converted RECFM=V data set.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)

2. Site data set (if defined)

3. System data set

Dsn-Site-TEMPLATE

Specifies the data set name of the site template library.

- Valid Values: Any valid data set name.
- Default: NONE

  A value of NONE indicates that no site data set name is used.
- Sharing: This data set can be shared with multiple instances of CA SYSVIEW and across systems.
- Security Information: All users must have read access to the data set.
- Concatenation:

  1. User data set (if defined)

  2. Site data set (if defined)

  3. System data set

Parameter Library Member OPTIONS

The parameter library data set member OPTIONS has been enhanced.

New Keywords

- CaptureShutDownWaitIntvl - The time frame, in seconds, that the CAPTURE session controller waits for a CAPTURE interface session to terminate once the session task has been posted to shut down. When the active session does not end within the specified time, the controller forcibly terminates the session.

  Specify the number of seconds from 1 to 600.

  Default: 10

- CicsShutDownWaitIntvl - The time frame, in seconds, that the CICS session controller waits for an active CICS interface session to terminate once the session task has been posted to shut down. When the active session does not end within the specified time, the controller forcibly terminates the session.

  Specify the number of seconds from 1 to 600.

  Default: 10

- FreeStorageAbendIfFailure - Controls whether CA SYSVIEW abends when a STORAGE RELEASE or FREEMAIN fails.

  Valid Values:

  - Yes

    An abend occurs when a STORAGE OBTAIN or FREEMAIN request fails.

  - No

    No abend occurs when a STORAGE OBTAIN or FREEMAIN request fails. A storage free failure message is logged.

  Default: Yes

- FreeStorageCheckTcbAddress - Controls whether CA SYSVIEW checks for any matching TCB addresses for STORAGE RELEASE or FREEMAIN requests.

  Valid Values:

  - Yes

    The TCB address of the caller of the STORAGE RELEASE or FREEMAIN request is checked against the TCB saved address when the storage was allocated. When the TCB addresses are not the same, the caller abends.

  - No

    The TCB address is not checked.

  Default: Yes

- UserSessionStorageLimit - The user session storage limit.

  This value will:

- Provide the number of megabytes from 2 to 2047.
- Apply only to interface applications that execute commands.
- Apply only to EPVT storage (storage above 16 MB and below 2 GB).

When this limit is reached, an attempt to create a command environmental level is rejected.

Values:

- Minimum: 2 MB
- Maximum: 2047 MB

Default: 64

- UseSysCloneInConsoleName - The SYSCLONE value use in the extended console names that certain SYSVIEW services use.

  Values can be YES or NO.

  A value of NO means that the extended console names take the form:

  GSVX*nnnn*

  nnnn

  A number from 0000 to 9999.

  A value of YES means that the extended console names take the form:

  GS*xxnnnn*

  xx

  The SYSCLONE value padded with 0 if the value is only one byte.

  nnnn

  A number from 0000 to 9999.

  YES must be specified when the PLEXCFG= value you specified in the IEASYS*nn* parmlib member is MONOPLEX. If YES is specified, then the SYSCLONE value must be unique for all systems within the GRS ring. A value of YES is acceptable for all other PLEXCFG= values as long as the SYSCLONE value is unique.

- VtamShutDownWaitIntvl - The time frame, in seconds, that the VTAM session controller waits for an active VTAM interface session to terminate once the session task has been posted to shut down. When the active session does not end within the specified time, the controller forcibly terminates the session.

  Specify a number of seconds from 1 to 600.

  Default: 10

Options

The enhancements to the CA SYSVIEW options are provided in this section.

Base Product Enhancements

The CA SYSVIEW base product has been enhanced.

Commands Added to the Base Product

The following commands have been added to the base product:

CAMASM

Displays the CAMASTER address space management information.

CAMASTER

Used to configure the CAMASTER services.

CAMPCS

Displays CAMASTER managed PC Services.

CAPLIB

Displays the site CAPLIB libraries.

CAVARS

Displays the variables that are defined using the CA variable service that CAMASTER manages.

HELPLIB

Displays your personal, site, and system HELPLIB libraries.

LISTMDIR

Processes a group of libraries and displays the list of multiple directories.

PANELLIB

Displays your personal, site, and system PANELLIB libraries.

REXXLIB

Displays the site and system REXXLIB libraries.

TEMPLATE

Displays the TEMPLATE libraries.

Commands Enhanced

The following enhancements have been made to existing commands.

ASADMIN

Address space administration

Syntax:

`ASADMIN <options>`

New Data Field:

- RRL - The recovery and retry level.

CLISTLIB

Displays the listed CLIST libraries.

Library concatenation data sets added (if defined):

- User
- Site
- System

CMDACT

Command activity summary

New Data Field:

- IDMS - The number of component IDMS commands issued.

GROUPS

Logical groups definitions.

New logical group type:

- IDMS - This type contains the IDMS job names.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                  *(member)
  ```

LENGTHS

Displays the field length data.

Syntax:

LENGTHS *fieldname <rows> <opts>*

A new "rows" parameter has been added to allow a subset of data rows to be processed.

New syntax parameters:

- rows - The rows to be included in the processing. Enter this parameter as:

  ```
  startrow-endrow
  startrow/numrows
  ```

  You can use an asterisk (*) to specify the current row number:

  *

  */numrows

  *+numrows/numrows

  Use numeric values from 1 to 999999999 for the startrow, endrow, and numrows.

  All rows are included in the processing when you omit the rows parameter.

LIBS

Displays information about product libraries.

Library concatenation data sets added (if defined):

- User
- Site
- System

New Subcommands:

- Options - You can specify any number of the values in any order. The current settings of all options are always displayed in response to the OPTIONS subcommand.

  The following lists and explains the valid OPTIONS <opts> parameter values:

  - UNSupported, NOUNSupported - Controls the display of unsupported data sets.
  - USer, NOUSer - Controls the display of USER data sets.
  - SIte, NOSIte - Controls the display of SITE data sets.
  - SYstem, NOSYstem - Controls the display of SYSTEM data sets.

New Data Fields:

- Alias - When the defined data set name is an alias. This field displays the original defined alias name and the DatasetName field displays the true name.
- CACHE - This field displays CACHE when the directory of the Dataset-Name field is cached.
- DispCmd - The display command that is used when the Select line is entered on the line.

New Line Command:

- CACHE - The directory is reloaded in to the cache data set.

LIBVIEW

The library viewer displays the contents of a library member.

The command has been enhanced to support the library concatenation.

Syntax:

```
LIBVIEW type      member
                        dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name of the library containing the member.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

New Subcommands

- USERDIR - Reloads the cached directory list for the specified library type.

  Syntax:

  `USERDIR type`

  type - Specifies the library type.

New information section fields

- Caplib, Clistlib, Helplib, Maplib, Miblib, Panellib, Parmlib, Plotlib, and Template

  The first row under the headers indicates whether caching is active for the library type.

Possible values:

- No - Do not cache the members.
- Yes - Do cache the members.

The second row under the headers indicates the status of user-defined data sets and the caching of directory lists.

Possible values:

- NOUSER - A user data set is not defined.
- USER - A user data set is defined in the user profile.
- USERDIR - A user data set is defined in the user profile and currently the directory list for the data set is cached.

New data fields:

- Cache - Indicates whether the member was retrieved from the library cache.

MAPLIB

Displays the contents of your map libraries.

Library concatenation data sets added (if defined):

- User
- Site
- System

MIBLIB

Displays the contents of your MIB libraries.

Library concatenation data sets added (if defined):

- User
- Site
- System

PARMLIB

Displays the contents of your parameter libraries.

Library concatenation data sets added (if defined):

- User
- Site
- System

PLOTLIB

Displays the contents of your PLOTLIB libraries.

Library concatenation data sets added (if defined):

- User
- Site
- System

PLOTLIST

Displays the plot selection list.

The command has been enhanced to support the library concatenation.

Syntax:

```
PLOTLIST    member
            dsname(member)
```

Changed syntax parameter

- dsname - The data set name of the library containing the member.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

QLIST

Quick list commands

The command has been enhanced to support the library concatenation.

Syntax:

```
QLIST       <name|ALL|ANY|ORIGIN|OTHER>
            <REBUILD>
            <OPTIONS <opts>>
            <BROWSE <User|SIte|SYstem>>
            <EDIT <User|SIte|SYstem>>
            <VIEW <User|SIte|SYstem>>
```

Changed syntax parameters:

- BROWSE <optkwd>
- EDIT <optkwd>
- VIEW <optkwd>

  To invoke these ISPF commands for the QLIST USER, SITE, or SYSTEM PARMLIB member:

  - Enter the QLIST command with BROWSE, EDIT, or VIEW as a parameter.
  - Specify one of the following optional <optkwd> parameters.

Keyword Parameters (Optional)

- User - Request for the QLIST USER PARMLIB member.
- SIte - Request for the QLIST SITE PARMLIB member.
- SYstem - Request for the QLIST SYSTEM PARMLIB member.
- none - Request for the QLIST USER PARMLIB member when the USER PARMLIB data set is defined.

  QLIST uses the SITE PARMLIB member when the USER PARMLIB data set is not defined. QLIST uses the SYSTEM PARMLIB data set when the SITE PARMLIB data set is not defined.

These commands are the same as entering the BROWSE, EDIT, or VIEW subcommands from the QLIST display.

Specifying any other <optkwd> values invokes the ISPF BROWSE, EDIT, or VIEW service with the <optkwd> value passed as a parameter to the ISPF service.

New Subcommands:

- OPTIONS - The following table lists and explains the valid OPTIONS <opts> parameter values. Any number of the values can be specified in any order. The current settings of all options are always displayed in response to the OPTIONS subcommand.

- User, NOUser - Controls whether to read the QLIST member from the USER PARMLIB data set. The default is USER. Rebuild the QLIST data after changing this option by issuing a QLIST REBUILD command or the REBUILD subcommand from within the QLIST display.
- SIte, NOSite - Controls whether to read the QLIST member from the SITE PARMLIB data set. The default is SITE. Rebuild the QLIST data after changing this option by issuing a QLIST REBUILD command or the REBUILD subcommand from within the QLIST display.
- SYstem, NOSYstem - Controls whether to read the QLIST member from the SYSTEM PARMLIB data set. The default is SYSTEM. Rebuild the QLIST data after changing this option by issuing a QLIST REBUILD command or the REBUILD subcommand from within the QLIST display.

ROWDISP

Row display

The ROWDISP command now supports the overtyping of input fields and passing the updated data fields back to the originating command for processing.

Information Section layout

- Old information section layout:

```
Command <cmd>     <title>
Options <options>
```

- New information section layout:

```
Options <options>
Command <cmd>  Title  <title>
Screen  <scrn> Format <fmtn>  RowCur <currow> RowTot <totrow>
```

New information section fields:

- Options - The list of the current effective options. These options can be the original initial defaults or the defaults that are overridden with the OPTIONS subcommand.
- Command - The originating command name.
- Title- The originating screen title.
- Screen - The originating screen name. When a screen name is not defined, this field displays the command name.
- Format - The originating format name.
- RowCur - The current row number that the ROWDISP command is displaying.
- RowTot - The total number of displayed rows by the originating command.

New Subcommands:

- OPTIONS - The following table lists and explains the valid OPTIONS <opts> parameter values. Any number of the values can be specified in any order. The current settings of all options are always displayed in response to the OPTIONS subcommand.
  - <NO>INFO - Controls the display of the origin information rows of the command.
  - <NO>HEX - Controls the display of hex translation rows.
  - <NO>INPUT - Controls the support of modified input fields.
  - <NO>EXTENDED - Controls the display of extended format data fields.
- CANCEL - Exits the ROWDISP display and returns to the previous command. No input fields that you modified on the ROWDISP screen are propagated back to the originating command.

Entering the CANCEL subcommand is the same as entering a RETURN command or any other primary display command when:

- The INPUT option is not in effect.
- No input fields were modified on the ROWDISP display.

- REFRESH - Refresh display data. REFRESH refreshes the ROWDISP display for any active SELECT or SORT command but does not refresh the actual contents of the data rows. To do that you must return to the originating command, refresh its data and enter the ROWDISP command again.

New data fields:

- T - The row data type indicator.
- M - The modified input field indicator.
- FldType - The field type.
- Input - The input field type.
- Status - STATUS if this field is a condition status field.
- Graph - GRAPH if this field is a bar graph field.
- XSystem - XSYSTEM if this field is an XSystem data field.
- Repeat - REPEAT if this field is a repeated field.
- Scroll - SCROLL if this field is the first horizontal scroll field.
- VLFType - The variable length field type.
- LGType - The logical group type.
- DisL - The length of the displayed field on the origin command screen.
- OutL - The length of the output (data) record field of the origin command.
- InpL - The length of the input record field of the origin command.

New Line Command:

- Restore - Restores a modified input field back to the original contents that existed when the ROWDISP command was first invoked.

  RESTORE is ignored for the following instances:

  - When the rows have no input fields.
  - When the input data was not modified.

SCHEDULE

Schedules the events.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

SELECT

Set the field selection criteria.

Syntax:

```
SELECT field oper value <conn <field oper value...>>
```

New syntax operator parameters

- CW - Contains a word. A word is a string that a nonalphanumeric character precedes and follows.
- NW - Not contains word. A word is a string that a nonalphanumeric character precedes and follows.

The SELECT command supports a field name of * (asterisk). Using the * indicates to use the previous field name that was not an "*". Any field name parameter that is not "*" is saved to be used when the next field name is "*". Any saved field name is cleared for each new SELECT command and by the following SELECT options.

SELECT RESET

SELECT ALL|CLEAR|omitted

SELECT MODIFY

The previous field name is saved when:

- The SELECT command ends with an AND or an OR connector and can be referenced on the next SELECT that continues the pending SELECT.
- The SELECT becomes active and can be referenced when a subsequent SELECT starts with an AND or OR connector to modify an already active SELECT.

Examples:

```
SELECT jobname eq aaaa or * eq bbbb or * eq ccccc
```

```
SELECT jobname eq aaaa or
         (SELECT is pending)
SELECT * eq bbbb or
         (SELECT is pending)
SELECT * eq cccc
         (SELECT is active)
```

```
SELECT jobname eq aaaa
         (SELECT is active)
SELECT or * eq bbbb
         (SELECT is active)
SELECT or * eq cccc
         (SELECT is active)
```

STATUS

Displays the product and environment information.

New data fields:

- Identification
  - User Name - <username>
  - User Id - <userid>
  - Current Profile

    Profile Id - <profid>

    Status - <status>

    Default - <default>

    Owner - <owner>

    Altered - <altered>

    Length - <length>

    Version - <version>

    Update User Id - <lastupduser>

    Update Date - <lastupddate>

    Update Time - <lastupdtime>
  - Initial Profile

    Profile Id - <profid>

    Status - <status>

    Default - <default>

    Owner - <owner>

    Length - <length>

    Version - <version>

    Update User Id - <lastupduser>

    Update Date - <lastupddate>

    Update Time - <lastupdtime>
  - Security

    Group - <groupname>

    Description - <descr>

    Owner - <owner>

    Version - <version>

    Update User Id - <lastupduser>

Update Date - <lastupddate>

Update Time - <lastupdtime>

- Data Sets
  - List of library concatenation data sets.
- Environment
  - Channel SSID

TOPICS

The Help topic knowledge base.

The command has been enhanced to support the library concatenation.

Syntax:

```
TOPICS      member
            dsname(member)
```

Changed syntax parameters

- dsname - The data set name of the library containing the member. The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

```
SITESYSTEM(member)
                  *(member)
```

TSFLIST

The Time series facility list.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.

TOTAL

Calculates and displays the total column data.

Syntax:

```
TOTAL fieldname <rows> <opts>
```

A new "rows" parameter has been added to allow a subset of the data rows to be processed.

New syntax parameters

- rows - The rows to be included in the processing. Enter this parameter as:

  ```
  startrow-endrow
  startrow/numrows
  ```

  You can use an asterisk (*) to specify the current row number:

  *

  */numrows

  *+numrows/numrows

  Use numeric values from 1 to 999999999 for the startrow, endrow, and numrows.

  All rows are included in the processing when you omit the rows parameter.

USERS

Displays the product users.

New data fields:

- ELv - The environment level.
- RRL - The recovery and retry level.

VDEFINE

Defines a user variable.

Syntax:

```
VDEFINE   name <value> <options>
```

options

This parameter can contain a new keyword value pair: DESCR value.

New syntax parameters:

- options - The options for the variable. The valid values are:
  - Descr value

    This option defines an optional description for the variable. The value can be any string of characters from 1 to 32 characters long. If the value contains blanks or commas then enclose them in character delimiters. The lowercase characters in the value are uppercased unless the value is enclosed in character delimiters and preceded with the chars qualifier ("C").

XSLIST

Displays the cross-system server tasks.

New Data Field:

- JesN - The primary JES name.

Profile Query Keywords

The profile Query command has been enhanced to include the following new keywords:

CURRPROFINFO

Queries current profile information.

The following message is in response to QUERY CURRPROFINFO:

```
QUER009I CURRPROFINFO value is <name> <dflt>
                    <stat> <owner> <altr>
```

The following variable is in response to EXTRACT CURRPROFINFO:

```
SYSV_CURRPROFINFO <name> <dflt> <stat> <owner> <altr>
```

Parameters

- name - The profile name currently loaded. This parameter displays *UNKNOWN if the name is not available.
- dflt - The default profile name that is used during the current profile load. This parameter displays *UNKNOWN if the name is not available.
- stat - The current profile status, which is one of the following values:
  - FOUND - The profile name was found.
  - NOTFOUND - The profile name was not found.
  - LOADERR - An error occurred attempting to read the profile member.
- owner - The owner status of the current profile, which is one of the following values.
  - OWNER - The user ID is the owner of the profile. The profile can be saved.
  - NOTOWNER - The user ID is not the owner of the profile. The profile cannot be saved.
- altr - The alter status of the current profile, which is one of the following values:
  - NOTALTER - The profile has not been altered.
  - ALTERED - The profile has been altered.

ENDLINECMD

Specifies the special character that, when entered as a line command, makes the line it was entered on the last line on the screen.

IDMSGROUP

Specifies the default IDMS logical group name. The logical group contains a list of IDMS regions to be displayed.

The default IDMS logical group name is used when a user does not specify a group name when entering a command with the "GROUP name" parameter.

IDMSTGTDEF

Specifies the default CA IDMS target address space when a CA IDMS primary command is entered.

INITPROFSTAT

Queries initial profile status.

The following message is in response to QUERY INITPROFSTAT:

```
QUER009I INITPROFSTAT value is '<name> <dflt>
                  <stat> <owner>'
```

The following variable is in response to EXTRACT INITPROFSTAT:

```
SYSV_INITPROFSTAT <name> <dflt> <stat> <owner>
```

Parameters

- name - The profile name currently loaded. This parameter displays *UNKNOWN if the name is not available.
- dflt - The default profile name that is used during the current profile load. This parameter displays *UNKNOWN if the name is not available.
- stat - The current profile status, which is one of the following values:
  - FOUND - The profile name was found.
  - NOTFOUND - The profile name was not found.
  - LOADERR - An error occurred attempting to read the profile member.
- owner - The owner status of the current profile, which is one of the following values.
  - OWNER - The user ID is the owner of the profile. The profile can be saved.
  - NOTOWNER - The user ID is not the owner of the profile. The profile cannot be saved.

HELPLIB

Sets the name of your personal help data set. Specify a fully qualified data set name by enclosing it in character delimiters. If you omit the character delimiters, your data set name prefix is left appended to the data set name. For more information about the data set name prefixes, see the DSNAMEPREFIX keyword. The value must be a valid data set name of 1 to 44 characters.

PANELLIB

Sets the name of your personal panel data set. Specify a fully qualified data set name by enclosing it in character delimiters. If you omit the character delimiters, your data set name prefix is left appended to the data set name. For more information about the data set name prefixes, see the DSNAMEPREFIX keyword. The value must be a valid data set name of 1 to 44 characters.

TEMPLATELIB

Sets the name of your personal template data set. Specify a fully qualified data set name by enclosing it in character delimiters. If you omit the character delimiters, your data set name prefix is left appended to the data set name. For more information about the data set name prefixes, see the DSNAMEPREFIX keyword. The value must be a valid data set name of 1 to 44 characters.

Substitution Symbolic Variables

The following new substitution symbolic variables have been added to the base product.

Note: Use the VLIST command for viewing a complete real-time list.

- &SITE_CAPDHLQ - Variable is not defined, data set does not exist
- &SITE_CAPIHLQ - Variable is not defined, data set does not exist
- &SITE_CAPINDEX - Variable is not defined, data set does not exist
- &SITE_CAPLIB - Site CAPLIB data set
- &SITE_CLISTLIB - Site CLISTLIB data set
- &SITE_DATALIB - Variable is not defined, data set does not exist
- &SITE_HELPLIB - Site HELPLIB data set
- &SITE_MAPLIB - Site MAPLIB data set
- &SITE_MIBLIB - Site MIBLIB data set
- &SITE_PANELLIB - Site PANELLIB data set
- &SITE_PARMLIB - Site PARMLIB data set
- &SITE_PLOTLIB - Site PLOTLIB data set
- &SITE_PROFILE - Variable is not defined, data set does not exist
- &SITE_REXXLIB - Site REXXLIB data set
- &SITE_SAMPLIB - Variable is not defined, data set does not exist
- &SITE_SECURITY - Variable is not defined, data set does not exist
- &SITE_TEMPLATE - Site TEMPLATE data set
- &SYSTEM_CAPDHLQ - System CAPTURE data set high level qualifier
- &SYSTEM_CAPIHLQ - System CAPINDEX high level qualifier
- &SYSTEM_CAPINDEX - System CAPINDEX data set
- &SYSTEM_CAPLIB - System CAPLIB data set
- &SYSTEM_CLISTLIB - System CLISTLIB data set
- &SYSTEM_DATALIB - System DATALIB data set
- &SYSTEM_HELPLIB - System HELPLIB data set
- &SYSTEM_MAPLIB - System MAPLIB data set
- &SYSTEM_MIBLIB - System MIBLIB data set
- &SYSTEM_PANELLIB - System PANELLIB data set
- &SYSTEM_PARMLIB - System PARMLIB data set
- &SYSTEM_PLOTLIB - System PLOTLIB data set

- &SYSTEM_PROFILE - System PROFILE data set
- &SYSTEM_REXXLIB - System REXXLIB data set
- &SYSTEM_SAMPLIB - System SAMPLIB data set
- &SYSTEM_SECURITY - System SECURITY data set
- &SYSTEM_TEMPLATE - System TEMPLATE data set
- &USER_CAPDHLQ - User CAPTURE data set high level qualifier
- &USER_CAPIHLQ - User CAPINDEX data set high level qualifier
- &USER_CAPINDEX - User CAPINDEX data set
- &USER_CAPLIB - Variable is not defined, data set does not exist
- &USER_CLISTLIB - User CLISTLIB data set
- &USER_DATALIB - Variable is not defined, data set does not exist
- &USER_HELPLIB - User HELPLIB data set
- &USER_MAPLIB - User MAPLIB data set
- &USER_MIBLIB - User MIBLIB data set
- &USER_PANELLIB - User PANELLIB data set
- &USER_PARMLIB - User PARMLIB data set
- &USER_PLOTLIB - User PLOTLIB data set
- &USER_PROFILE - Variable is not defined, data set does not exist
- &USER_REXXLIB - Variable is not defined, data set does not exist
- &USER_SAMPLIB - Variable is not defined, data set does not exist
- &USER_SECURITY - Variable is not defined, data set does not exist
- &USER_TEMPLATE - User TEMPLATE data set

z/OS Component Enhancements

The CA SYSVIEW for z/OS component has been enhanced.

Commands Added to the z/OS Component

The following commands have been added to the base product:

ALERTSUM

Displays the current exception alert summary.

ASLOCKS

Displays the Address Space Suspend Locks data.

HCLOG

Displays the Health Checker log.

MODXREF

Displays the module cross reference data.

Commands Enhanced for the z/OS Component

The following enhancements have been made to existing commands:

ACTIVITY

Displays the system activity.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.
- PASID - OpenMVS process parent ASID.
- PJobname - OpenMVS process parent jobname.

Changed data fields

- JobClass - Specifies the job input class. This field is filled in for JES3.
- Notify - The NOTIFY field from the job statement of the job. This field is filled in for JES3.
- Programmer - The programmer name from the job statement of the job. This field is filled in for JES3.

ALERTS

Displays the MVS exception alerts.

Syntax:

```
ALERTS      < WARNing     | NORMal   >
            < THRESH       | ALL      >
            < DETAIL        | SUMMARY  >
            < STATS         | NOSTATS  >
            < DESC          | NODESC   >
            < ACK             | NOACK    >
            < NOXSData    | XSData   >
            < NOXSYStem | XSYStem  >

            < NAME            name     >

            < RESource       resource >
            < RSCE             resource >
            < ARGument       resource >
```

```
< ALIAS             alias    >
< ALTID             altid    >
< GROUP           group    >
< SUBGroup       subgroup >
< SUMMGRP       summgrp  >
```

New syntax parameters:

- SUMMGRP *summgrp* - Limit the display to only those entries with corresponding value in the SummGrp field.

New data fields

- SummGrp - The summarization group ID.

APPLMON

Displays the VTAM application monitor availability summary.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                  *(member)
  ```

ASCANCEL

Cancels an address space.

The ASCANCEL command has been updated to support a new address space TYPE operand.

Syntax:

```
ASCANCEL <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASCANTSK

Cancel a task within an address space.

The ASCANTSKL command has been updated to support a new address space TYPE operand.

Syntax:

```
ASCANTSK <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASFORCE

Forces an address space.

The ASFORCE command has been updated to support a new address space TYPE operand.

Syntax:

```
ASFORCE <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASID

Sets the target address space.

The ASID command has been updated to support a new address space TYPE operand.

Syntax:

```
ASID <asid<.dspname>> <option> <TYPE astype>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASKILL

Deletes the target address space.

The ASKILL command has been updated to support a new address space TYPE operand.

Syntax:

```
ASID <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASLIST

Displays the address space information.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:
  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.

- SMC - Number of outstanding Step-Must-Complete requests in the address space.

ASNOSWAP

Set the address space as nonswappable.

The ASNOSWAP command has been updated to support a new address space TYPE operand.

Syntax:

```
ASNOSWAP <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASOKSWAP

Set the address space as swappable.

The ASOKSWAPL command has been updated to support a new address space TYPE operand.

Syntax:

```
ASOKSWAP <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASQUERY

Query the address space variables.

The ASQUERY command has been updated to support a new address space TYPE operand.

Syntax:

```
ASQUERY <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASQUIESC

Set the address space quiesced.

The ASQUIESC command has been updated to support a new address space TYPE operand.

Syntax:

```
ASQUIESC <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASRESUME

Set the address space unquiesced.

The ASRESUME command has been updated to support a new address space TYPE operand.

Syntax:

```
ASRESUME <asid> <TYPE astype> <infokwd>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

ASSET

Set the address space attributes.

The ASSET command has been updated to support a new address space TYPE operand.

Syntax:

```
ASSET <asid> function <value> <options TYPE astype>
```

Parameters and descriptions

- TYPE *astype* - Only specify the TYPE parameter when the asid parameter is a jobname or the FIRST, NEXT, PREVIOUS, or LAST keywords.

  This parameter is used to restrict the possible match to a specific address space type.

- *astype* - Specify one of the following keywords for this value:
  - ANY - (Default) Any address space type.
  - ATX - An APPC transaction.
  - INIT - An initiator.
  - JOB - A batch job.
  - OTX - An OMVS transaction.
  - STC - A started task.
  - SYS - A system task.
  - TSU - A TSO user.

CPU

Displays CPU information.

New Data Field

- PSACLHSE - The contents of the PSACLHSE field (the current locks held string extension).

DSALLOC

Displays the data sets allocated to a job.

New Data Fields:

- DASp - This value is DASp when the DDname has the DD accounting suppressed attribute. Otherwise, it is blank.

  When the DDname accounting is suppressed, the following fields have no value and display blanks.

  - IOCt - The I/O count.
  - IORt - The I/O rate.
  - TCTE - The TCT DD entry address.
- Dest - The system output destination.
- Type - The type of entry displayed.

  Valid Values:

  - DATASET - Data set
  - DUMMY - Dummy data set
  - SYSOUT - SYSOUT data set
  - SYSIN - SYSIN data set
  - TERMINAL - Terminal
  - OMVSPATH - OMVS path name
  - CONSOLE - Console
  - UNKNOWN - Unknown
  - DEVICE- The second through nth device for a multivolume data set.
- Userid - The sysout remote user ID.

DSSERV

Data set services.

The DELETE subcommand supports the deleting of multiple volume and archived data sets.

New Subcommands

- ALCONcat - This service allocates a data set and then concatenates it to a ddname. If the ddname is not already allocated, then this service is the equivalent of the ALLOCATE service.

LISTDIR

Displays the PDS directories.

New data fields:

- Owner - The module identifier owner user ID.

HCHECKER

Displays the Health Checker information.

New line commands:

- History - Invokes the HCLOG command to display historical log records for the selected owner and the checker name.

HCOWNER

Displays the Health Checker owner summary.

New line commands:

- History - Invokes the HCLOG command to display historical log records for the selected owner and the checker name.

HCMSGS

Displays the Health Checker messages.

Syntax:

```
HCMSGS  owner check <options>
```

or

```
HCMSGS  BLOCKID blockid <options>
```

New syntax parameters:

- BLOCKID - The BLOCKID keyword and value are used to request that the Health Check log stream read a specific message block. The BLOCKID value must 16 hexadecimal characters and must not be all zeros. The BLOCKID keyword and value are only valid when the IBM Health Checker is writing checker output messages to a log stream.

  The HCLOG command displays records written to the Health Checker log stream. The displayed data includes Block ID values. The S<elect> line command on the HCLOG display invokes the HCMSGS command for the selected block ID.

IPLINFO

IPL information.

New data fields for the section: General

- MACHMIG statements

New data fields for the section: IEASYS

- GTZ - Specifies one or more suffixes of the Generic Tracker parmlib member, GTZPRMxx, for the system to use. This parameter is valid only at z/OS 2.1 or higher.
- HZS - This parameter specifies one or more suffixes of the optional IBM Health Checker for the z/OS parmlib member HZSPRMxx, for the system to use.

  The two characters, represented by *aa* or *bb*, and so on, are appended to HZSPRM. This forms the name of the HZSPRMxx members when HZSPRM=SYSPARM (or HZSPRM=PREV for IPL-time) is specified in the HZSPROC startup procedure for IBM Health Checker for z/OS. The HZS parameter is valid only at z/OS 2.1 or higher.
- HZSPROC - This parameter specifies the name of the HZSPROC procedure the system uses for automatically starting IBM Health Checker for z/OS at IPL-time.

  Specify this parameter if you want to use a name other than the default, HZSPROC. The specified procedure must reside in an SYS1.PROCLIB data set.

  The HZSPROC parameter is valid only at z/OS 2.1 or higher.
- PAGESCM - This parameter specifies the minimum amount of SCM storage to be made available for use as auxiliary storage. The system reserves this amount of during IPL for subsequent use as auxiliary storage. More space is allocated on an as-needed basis when use of this initial amount of is exceeded. The PAGESCM parameter is valid only at z/OS 2.1 or higher.
- WARNUND - This parameter asks that the system warns you when an undefined system parameter is found rather than prompting for new system parameters. The WARNUND parameter is valid only at z/OS 2.1 or higher.

LGBROWSE

The CA SYSVIEW log stream technology that is used to read and write from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

LGSTREAM

Displays the log stream definitions.

New data fields:

- WPri - Displays WPRI when WARNPRIMARY(YES) was specified for the log stream definition. Otherwise blank.
- WPRI indicates that log stream monitoring warning messages should be issued for the following conditions:
  - When the log stream primary (interim) storage consumption is 2/3 between the HIGHOFFLOAD value and 100 percent full.
  - For a CF-based log stream, when a 90 percent entry full condition is encountered.
  - When an interim (primary) storage full condition is encountered.

  WPRI is only possible at z/OS 2.1.0 or higher.
- ZAI - ZAI if you want the log stream data sent to the IBM zAware server. Otherwise blank.
- ZAIData - Any log stream-related data that you want passed to the IBM zAware server when the z/OS IBM log stream client is established.

LISTDIR

List PDS directory

New data fields:

- Owner - The module identifier owner user ID.

  This field is only available for selected CA products.

LISTMODS

Product module status

New data fields:

- Owner - The module identifier owner user ID.

  This field is only available for selected CA products.

LSRPOOLS

Displays the local shared resource pools.

New Data Field

- HStg - The total amount of hiperspace storage that the buffers use.

MOBJECTS

Displays the memory objects summary.

New information section fields

- LFArea
- Reconfig
- NonReconfig
- Used

  The large frame area (LFAREA), reconfigurable size, nonreconfigurable sizes, and the total percentage used.

MODULES

Displays information about storage-resident modules.

New Data Field

- Owner - The module identifier owner user ID. This field is only available for selected CA products.

MONITOR

Displays the MVS monitor definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                  *(member)
  ```

PAGEDS

Displays information about the page data sets.

Changed line commands

- Add - Adds a new LOCAL page data set or restores a previously drained LOCAL page data set to read/write mode. The command confirmation has been added.
- DRain - Makes a LOCAL page data set read-only. The command confirmation has been added.
- DElete - Removes a LOCAL page data set from system use. The command confirmation has been added.

PFT

Displays information in the Page Frame Table.

New data fields:

- L - This value is L when the frame is within a group of 256 contiguous frames that can be used to hold a 1-MB page.
- E - This value is E when you want to reform the frame into a group of 256 contiguous frames for holding a 1-MB page.
- M - This value is M when the frame is backing a shared 1M large page.
- H - This value is H when the frame is backing a high virtual shared page.

PLOTLOG

Displays the historical plot log.

The CA SYSVIEW log stream technology that is used to read and write from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

PROCLIST

Displays the JES procedure libraries.

Support has been added to JES3.

STATES

Displays the state monitor definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

SYSTEMS

Displays the Systems Overview menu.

New data fields:

- IDMS - The IDMS component is active on the specific system.
- JesN - The primary JES name.

TASK

Displays task information for a job.

Positioning the cursor to the following fields and pressing <ENTER> invokes the MAP command for the selected field and address.

- TCB
- RB
- STCB
- XSB
- OTCB
- OTCBCOPYONFORK
- THLI
- PRLI

Deleted line commands

- MTcb - Invokes the MAP command to map the TCB
- MStcb - Invokes the MAP command to map the STCB
- MRb - Invokes the MAP command to map the RB
- MXsb- Invokes the MAP command to map the XSB
- MOTcb - Invokes the MAP command to map the OTCB
- MOCof - Invokes the MAP command to map the OTCBCOPYONFORK
- MTHli - Invokes the MAP command to map the THLI

New data fields

- ThreadId - The OMVS thread ID.

THRESH

Displays the current threshold definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

TRACE

Displays the status of the system trace.

New data fields:

- PSACLHSE - The contents of the PSACLHSE field (the current locks held string extension).

UPROCESS

Displays information about the USS processes.

This command has been enabled for cross-system data.

New data fields

- Type - The address space type.
- PASID - The parent process ASID.
- PJobname - The parent process job name.
- PType - The parent process address space type.
- PJobnr - The parent process job number.
- PUserid - The parent process user id.

VARS

Displays the available monitoring variables.

New Data Field:

- SummGrp - The summarization group ID

WMPOLICY

Displays the WLM service policy information.

Renamed Data Field

The new field name: *

The old field name: Field.

XLOG

Displays exception logs.

Syntax:

```
XLOG< STREAM     logstream   >
            < TIME       time | *    >
            < DATE       date | *    >
            < LINES      count       >
            < LIMIT      count       >
            < PERIOD     seconds     >
            < JOBName    jobname     >
            < NAME       name        >
            < RSCE1      rsce1       >
            < RSCE2      rsce2       >
            < OWNER      owner       >
            < RULEtype   rule        >
            < SUMMGRP    summgrp     >
            < AUTO | DEFAULT         >
            < CICS                   >
```

New syntax parameters:

- SUMMGRP - Limit the display to only those entries with corresponding value in the SummGrp field.

The CA SYSVIEW log stream technology that is used to read and write from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

New data fields:

- SummGrp - The summarization group ID.

Data Collection Threshold Metrics Added

The following threshold metrics enhance data collection.

CLMOORPH

Common large memory objects orphaned.

Resource: None

CLPGORPH

Common large pages orphaned.

Resource: None

GCAUXSCM

Grande common auxiliary SCM.

Resource: None

GCDREFR

Grande common DREF pages in real.

Resource: None

GCLMOF

Grande common fixed large memory objects.

Resource: None

GCMOALLO

Grande common memory objects allocated.

Resource: None

GCMOR

Grande common memory objects in real.

Resource: None

GCPGALLO

Grande common memory pages allocated.

Resource: None

GCPGAUX

Grande common memory pages in aux.

Resource: None

GCPGFR

Grande common memory pages fix in real.

Resource: None

GC1MPGFR

Grande common memory 1M pages fixed real

Resource: None

GC1MPGR

Grande common memory 1M pages real.

Resource: None

GPMOALLO

GP memory objects.

Resource: None

GPNLFASZ

GP nonreconfigurable LFA size.

Resource: None

GPNLFAUS

GP nonreconfigurable LFA used.

Resource: None

GPPGREAL

The GP pages in real.

Resource: None

GSAUX

Grande that is shared in auxiliary storage.

Resource: None

GSAUXSCM

Grande shared auxiliary SCM.

Resource: None

GSMOALLO

Grande shared memory objects allocated.

Resource: None

GSPGALLO

Grande shared memory pages allocated.

Resource: None

GSPGFR

Grande shared memory pages fixed real.

Resource: None

GSPGIN

Grande shared page input from auxiliary.

Resource: None

GSPGOUT

Grande shared page output to auxiliary.

Resource: None

GSPGREAL

The Grande pages in real.

Resource: None

GS1MPGFR

Grande shared memory 1M pages fixed real.

Resource: None

GS1MPGR

Grande shared memory 1M pages real.

Resource: None

LFAGROUP

Available large frame groups.

Resource: None

LFASINGL

Available single large frames.

Resource: None

LMOALLOC

Large memory objects allocated.

Resource: None

LPGREAL

The Large pages in real.

Resource: None

LPPAGE

The Large pages that are pageable.

Resource: None

NLFASIZE

Nonreconfigurable LFA size.

Resource: None

NLFAUSED

Nonreconfigurable LFA used.

Resource: None

PLFGFIX

Pageable large frame groups fixed.

Resource: None

PLFGUSED

Pageable large frame groups used.

Resource: None

RLFASIZE

Reconfigurable LFA size.

Resource: None

RLFAUSED

Reconfigurable LFA used.

Resource: None

SGAUXSCM

SG auxiliary SCM.

Resource: None

Starting at release r13.5, the metrics contain CPU time on IIP processors that include enclave and nonenclave time. The new metrics have been created for nonenclave time only.

JOBIIP%

The IIP usage percentage.

Resource: Jobname

JOBIIPT%

The IIP usage percentage total.

Resource: Jobname

JOBIIPTM

The IIP CPU interval time.

Resource: Jobname

JOBIIPTT

The IIP CPU total time.

Resource: Jobname

Configuration Options - Parmlib member - MVSVARS

The VARIABLE-SET option can be used to control the set of data collection metrics. The new action is defined to control the set of metrics that are sent to the Time Series Facility as part of the CA Chorus Infrastructure Management for Networks and Systems. Only those metrics that are defined as TSF eligible can be enabled or disabled. The eligible list can be viewed on the VARS command.

VARIABLE-SET

source:variable:actions

- source - Indicates MVS.
- variable - Indicates the name of data collection metric. You can specify this name generically.

  The variable-length mask character: =

  The fixed-length mask character: *
- actions - Indicates the following actions to apply:
  - ENAbled - Enable the collection.
  - DISabled - Disable the collection. TSF is also disabled.
  - TSF - Enable the TSF collection. The metric must also be enabled.
  - NOTSF - Disable the TSF collection.

JES2 and JES3

JES2 and JES3 have been enhanced.

JES Commands Added

The following JES commands have been added:

JSYSLOGW

This command displays the JES system log.

JOUTPUTW

This command displays the JES job output.

Commands Enhanced

The following enhancements have been made to existing commands.

JOBCLASS

Displays the JES job class.

New Data Field

- SJobs - The maximum number of jobs that can execute in this class on this system. If there is no limit, an * displays.

  Change this field by overtype the field with a new value.

Option for CICS

The CA SYSVIEW Option for CICS has been enhanced.

Data Collection Resources Added

Data collection event functions have been added.

The CA SYSVIEW Event Scheduler controls and schedules data collection events. The new events are dynamically added to existing schedules during the initialization of the CICS data collector.

The following Event Scheduler definitions have been added to the parmlib member SCHDCICS:

- Transaction Classes

```
DEFINE SYSTEM-TCLASS
       DESC       'System - Transaction Classes        '
       GROUP      CICSDATA
       TYPE       RECUR
       ALLDAYS
       DATEBEGIN  *         DATEEND *
       TIMEBEGIN  MIDNIGHT  TIMEEND *
       EVERY      00:01:00
       LIMIT      NOLIMIT
       FUNCTION   SYSTEM-TCLASS
       ENABLED
ENDDEFINE
```

Commands Enhanced

The following enhancements have been made to existing commands.

CALERTS

Displays the CICS exception alerts.

Syntax:

```
CALERTS     < REGion | SYStem | XSYStem | NOXSYStem >
            < Local    | Global    | XSData    | NOXSData >
            < GROUP  name >
            < GROUPType    type     >
            < WARNing  |  NORMal   >
            < THRESH    |  ALL        >
            < ACK          |  NOACK   >
            < NAME           name     >
            < ARG1            arg1      >
            < ARG2            arg2      >
            < SUBGroup     subgroup >
            < SUMMGRP     summgrp  >
```

New syntax parameters

- SUMMGRP - Limits the display to only those entries with corresponding value in the SummGrp field.
- GROUPTYPE - Specifies the logical group type. If the group type is not specified, the type CICSPLEX is used.

New data fields

- SummGrp - The summarization group ID.

CICSLIST

Displays the CICS regions.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.

CICSSET

Alters the CICS resources.

New Subcommand syntax

EXPORT - Exports data definitions.

Syntax:

```
EXPORT datatype dsname(member)
```

Parameters and descriptions

- datatype - The data definition type with the following valid actions:
  - ARTM
  - CICSOPTS
  - DUMPMGT
  - GROUPS
  - SCHEDULE
  - STATS
  - THRESHOLDS
  - TRANCANCEL
  - TRANOPTS
- member - The name of the member to be saved.
- dsname - The data set name where you want to save the specified member.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)
- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)
- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)
- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

SITESYSTEM(*member*)
*(*member*)

CMODS

CICS data collection modules

New data fields:

- Owner - The module identifier of the owner user ID.

CSCHEDUL

CICS scheduled events

New Line Command

- Metrics - Invoke the CVARS command selecting those metrics that the selected event scheduler function collected.

CSYSDATA

Displays the CICS system interval analysis.

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  OPTIONS LINE *nnnnn*

CTASKS

Displays the CICS active tasks.

When you select an active task to display a detailed report of resource usage, a new Real-Time section is added to the report. This section shows the current wait reason.

Example:

Section: Real-Time

```
Program  WaitType WaitName
TEST0001 TCLASS   XM_HELD
```

CTCLASS

Displays the CICS transaction classes.

New data fields:

- Act% - The percent of maximum transactions that are currently active.

CTDATA

CICS transient data queues

New data fields:

- Recovery - The recovery status.

  Possible values are:

  - Blank (non-intrapartition queues)
  - NO
  - PHYSICAL
  - LOGICAL
  - Only valid for intrapartition queues.

CTRANLOG

Displays the CICS transaction log summary.

Syntax:

```
CTRANLOG    < STREAMlogstream  >
            < TIME          time | *   >
            < DATE          date | *   >
            < LINES         count      >
            < LIMIT         count      >
            < PERIODseconds    >

            < JOBName       jobname    >
            < TRAN          tran       >
            < UMBRELLA      umbrella   >
            < UMBTYPE       umbtype    >
            < CLIENT        client     >
            < WEBSERVICE    webservice >
            < ABND          abendcode  >
            < PROGRAM       program    >
            < DEFGROUP      group      >

            < LIFETIME      oper time  >
            < CPUTIME       oper time  >
            < IOREQSoper count >
            < XCT           oper count >
```

New syntax parameters

- DEFGROUP group - Use this parameter to specify the definition group to be displayed.
- FILTER - Display a filter screen to allow the entering of command syntax parameters to filter the data.

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

Old Maximum: 100,000

This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

`OPTIONS LINE` *nnnnn*

New Data Field

- DefGroup - The name of the definition group from where the entry was installed.

New data fields to Overview Summary

- Program - The initial program name.
- Dispatch Time - The time that the transaction was dispatched.
- Suspend Time - The time that the transaction was suspended.
- Delay Time - The time that the transaction was delayed before the first dispatch.

Section Overview Summary

```
SMF ID          : CA31          Start Date/Time : 04Dec2012 07:45:20.594
Applid          : A31ICB18      End Date/Time   : 04Dec2012 07:45:20.595
Jobname         : SYSVC640      Life Time       : 0.001334
CICS Release    : TS 3.1 (6.4)  CPU Time        : 0.000480
Transaction ID  : CLS2          Dispatch Time   : 0.000640
Task Number     : 104           Suspend Time    : 0.000688
Program         : DFHLUP        Delay Time      : 0.000016

Tran Class      :               Userid          : CICSUSER
Priority        : 254           Terminal        : -AAB
Abend Code      :               LU-Name         : A31ICCS1
Umbrella Name   :               Client Type     : APPC Session
Umbrella Type   :
```

New data fields

- DefGroup - The name of the definition group from where the entry was installed.

CTRANSUM

CICS transaction intervals

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

CTSQUEUE

Displays the CICS temporary storage queues.

New Line Command Field

- DUmp - Invoke the DUMP command to display the virtual storage that is specified in the TSQUEUE field.

CVARS

Displays the CICS monitor variables.

New data fields:

- Schedule - The name of the associated event schedule function responsible for the data collection. If blank, the metric is not collected through an event scheduler function.

System Data Collection Threshold Metrics Added

The following system threshold metrics were added to enhance the data collection.

TCLSACT

The task class (TCLASS) active transactions.

Resource: tclass

TCLSACT%

The task class (TCLASS) percent of maximum transactions.

Resource: tclass

TCLSQUEU

TCLASS queuing transactions

Resource: tclass

TDATQCNT

Transient data queuing count

Resource: trandata

TDATQUE%

Transient data queue percent of the trigger level.

Resource: trandata

TEMPSTG%

Temporary storage - Percent of Main temporary storage (TSMain) in use.

Resource: None

Default threshold exception definitions have been added to the parmlib member CICSTHRS.

Transaction Classes

```
DEFINE TCLSQUEU RSCE1 *   LIMIT 1
```

Transient Data Queues

```
*DEFINE TDATQCNT RSCE1 *   LIMIT 0
DEFINE TDATQUE% RSCE1 *   LIMIT 101  WARNING 100
```

State Data Collection Metrics Added

The following state data collection metrics were added.

Default state exception definitions have been added to the parmlib member CICSTHRS.

- Transaction Classes
- Transient Data Queues

Configuration Options—Parmlib Member CICSOPTS

The configuration options member CICSOPTS has been enhanced to include the following options:

GRANDE-STORAGE-AUTOSIZE-MEMLIMIT

This option dynamically adjusts the MEMLIMIT value for the CICS address space as needed.

Most storage that is used for monitoring a CICS region through the CA SYSVIEW for CICS Data Collector is located in 64-bit storage. CA SYSVIEW allocates blocks of 64-bit storage for use and then manages those blocks internally.

The MEMLIMIT= parameter of the EXEC statement controls the amount of storage available to the address space.

CA SYSVIEW assumes if the MEMLIMIT= parameter has been specified and is less than 16X, then that amount of storage is used for CICS or existing applications.

For this reason, when CA SYSVIEW allocates 64-bit storage, the MEMLIMIT value is dynamically adjusted. This adjustment avoids any impact or steal possible storage from the existing application.

Default: Yes

Change: This option can only be set during the initialization using the CICSOPTS parmlib member.

Valid Values are:

- No - Do not adjust or autosize the MEMLIMIT value.

  If No is specified, it is recommended that you increase the currently specified MEMLIMIT value by 1 GB.

- Yes -Adjust the MEMLIMIT size as needed.

Related Option: GRANDE-STORAGE-SIZE-LIMIT

GRANDE-STORAGE-SIZE-LIMIT

Most storage that is used for monitoring a CICS region through the CA SYSVIEW for CICS Data Collector is located in 64-bit storage. CA SYSVIEW allocates blocks of 64-bit storage for use and then manages those blocks internally.

The amount of 64-bit storage CA SYSVIEW allocates within a CICS address space is typically 32 MB or less.

This option controls the maximum amount of 64-bit storage that SYSVIEW can allocate within a CICS address space.

Valid Values:

- Minimum - 1 GB

Default: 1 GB

Change: This option can only be set during the initialization through the CICSOPTS parmlib member.

Related Options:

- GRANDE-STORAGE-AUTOSIZE-MEMLIMIT

LIFETIME-EXCLUDE

Specify the maximum lifetime that a transaction can have without being excluded from statistical averages. Transactions with a lifetime value greater than the specified value are excluded from statistical averages so that the data does not become skewed.

CA SYSVIEW monitors the number of excluded transactions and bypasses the averaging of values such as CPU time and lifetime.

This averaging does *not* exclude transactions from threshold processing.

Valid Values:

- 00:00:00 - Setting the value to zero causes the exclusion process to be bypassed.

Default: 00:00:00

Change: This option can only be set during the initialization through the CICSOPTS parmlib member.

Note: Before Release 13.9, the default was 00:01:00.

PERFORMANCE-DATA-SEGLIMIT-DB2

The CICS data collector can monitor and collect detailed information about DB2 requests made by a transaction.

You can collect the DB2 requests by unique combinations of the following segment keys:

- Program
- Type
- Statement

A long running transaction making DB2 requests can produce many unique segment keys. Many keys can have a negative impact on the performance. For this reason, the number of unique segment keys can be controlled.

If the segment limit is reached, no data is lost. Another generic segment is created.

The following related options are required:

- PERFORMANCE-COLLECTION: Yes
- PERFORMANCE-DATA-EXIT-RM: Yes
- PERFORMANCE-DATA-EXIT-RM-DB2: Yes
- PERFORMANCE-GLOBAL-EXIT-RM: Yes

Default: 100

Change: This option can be modified after initialization through the CCONFIG or CICSSET commands.

Valid Values are:

- Minimum: 1
- Maximum: 1000

Before Release 13.9:

- The default was 25
- The maximum was limited to 100

Related Options:

- PERFORMANCE-DATA-DB2-BY-PROGRAM
- PERFORMANCE-DATA-DB2-BY-STMT
- PERFORMANCE-DATA-DB2-BY-TYPE
- PERFORMANCE-DATA-SEGLIMIT-DB2
- PERFORMANCE-LOG-DB2

CICS Resource Definition Entries

During the installation process, the CICS utility DFHCSDUP is used to add the required definitions to the CSD file. Transaction class definitions are being added in release r13.7 so that the following transaction IDs can only be executed one at a time.

- GSVS - Start CA SYSVIEW for CICS
- GSVT - Terminate CA SYSVIEW for CICS
- GSVI - Execute CA SYSVIEW for CICS. GSVS starts the GSVI transaction.

The following sample library member is available as input to the DFHCSDUP utility:

- CICSCSD - This member deletes the existing group CA SYSVIEW and adds all definitions to the CSD file.

  Transaction Classes:

  The transaction class definitions are new in release r13.7.

```
DEFINE TRANCLASS(GSVCGSVS)
             MAXACTIVE(01)
             PURGETHRESH(01)
             GROUP(SYSVIEW)

DEFINE TRANCLASS(GSVCGSVI)
            MAXACTIVE(01)
            PURGETHRESH(01)
            GROUP(SYSVIEW)
```

  Transactions:

  The TRANCLASS(class) attribute is being added to the previously existing transaction definitions.

```
DEFINE TRANSACTION(GSVI)
              PROGRAM(GSVCGSVI)
              TASKDATAKEY(CICS)
              TASKDATALOC(BELOW)
              SHUTDOWN(ENABLED)
              RUNAWAY(0)
              PRIORITY(255)
              ISOLATE(NO)
              TRANCLASS(GSVCGSVI)
              GROUP(SYSVIEW)

DEFINE TRANSACTION(GSVS)
              PROGRAM(GSVCGSVS)
              TASKDATAKEY(CICS)
              TASKDATALOC(BELOW)
              SHUTDOWN(ENABLED)
              RUNAWAY(0)
              PRIORITY(255)
              ISOLATE(NO)
```

```
                TRANCLASS(GSVCGSVS)
                GROUP(SYSVIEW)

DEFINE TRANSACTION(GSVT)
                PROGRAM(GSVCGSVT)
                TASKDATAKEY(CICS)
                TASKDATALOC(BELOW)
                SHUTDOWN(ENABLED)
                RUNAWAY(0)
                PRIORITY(255)
                ISOLATE(NO)
                TRANCLASS(GSVCGSVS)
                GROUP(SYSVIEW)
```

CICS Monitor Exit Interface (MEI)

The CA SYSVIEW for CICS Monitor Exit Interface (MEI) provides CICS programs or transactions an API into the CA SYSVIEW for CICS data collection process. Information that is passed to the MEI is recorded in the detailed transaction record of the calling transaction.

Two methods or APIs are available. Both methods can be used within a single transaction or program.

1. CICS command level program and a standard CICS COMMAREA.
2. Assembler macro interface.

Any required action by the existing users of the Monitor Exit Interface depends on the currently used interface.

- GSVCMEI Macro Interface - The GSVCMEI macro interface has been modified at r13.7.

  If you use the GSVCMEI macro, reassemble those programs using the GSVCMEI macro. No code changes are required. You could also optionally convert those programs to use the CICS command-level interface. Failure to convert existing modules does not cause a problem, but Monitor Exit Interface data is not collected.

For more information, see the help topic CICS Monitor Exit Interface (MEI).

CA Chorus Infrastructure Management for Networks and Systems

CA SYSVIEW Release 13.7 introduced CA Chorus integration. The Time Series Facility collects data that is presented as graphs. New data collection events have been incorporated into CA SYSVIEW to provide this information. New event functions that control the collection are defined to the scheduler.

New scheduler event functions:

- TSF-SYSTEM - Time Series Facility - System Data
- TSF-TRANS - Time Series Facility - Transactions

The event definitions are defined in the CICSSCHD parmlib member. Data collection and TSF events are defined in the SCHDCICS parmlib member that is dynamically included into the CICSSCHD member.

The parmlib members are only used to create the initial list of events or during a COLD start of the event scheduler. If the event scheduler is being WARM started, the recommended start method, then the list of events is maintained in the persistent data store.

Make ongoing changes to the data collection events through the online displays. The Event Scheduler could be using WARM or COLD start procedures. Ensure that the new events get created regardless of the start type. Events *must* be created in the scheduler before data collection can be performed.

If the Event Scheduler is being WARM started, the list of events are retrieved from the persistent data store. In this case, no parmlib members are read. Data collection events must be created because the events were present in the saved list of event definitions. During the initialization process for each data collection task, the task dynamically creates the data collection events. The tasks create or add the data collection events using a method that does *not* replace or overlay any existing definitions.

Therefore, the internal process does not replace the user definitions when:

- You start CA SYSVIEW using a COLD start
- The SCHDCICS parmlib member contains the default data collection events

If the user does not want a specific data collection event to execute, mark the event definition as disabled instead of deleting the entry.

The integration of CICS data with CA Chorus and the Time Series Facility is enabled through the following CICS configuration option:

Configuration Options - parmlib member - CICSOPTS

TSF-ENABLE

Specify to enable the Time Series Facility data collection.

Virtual Storage Constraint Relief

All module and permanent storage is now allocated in 31- or 64-bit storage.

Most storage that is used for monitoring the CICS region using the CA SYSVIEW for CICS Data Collector is located in 64-bit storage.

System Configuration Options

The system configuration options member is used to set configuration options during the initialization of CA SYSVIEW. The system configuration options member must be located in the concatenation of the system parmlib data sets. If the CA SYSVIEW CICS Data Collector is connecting to a CA SYSVIEW subsystem ID other than the default GSVX, then specify the subsystem ID.

You can specify or override the default subsystem ID using the following methods:

- Starting the CICS data collector - The transaction ID for starting the CICS data collector is GSVS.

  GSVS <initialization parameters>

  Example:

  ```
  GSVS GSVI=tran,USERID=userid,START=start,SSID=ssid
  ```

- Restarting the CICS data collector - The transaction ID for stopping and restarting the CICS data collector is GSVT.

  GSVT RESTART <initialization parameters>

  Example:

  ```
  GSVT RESTART GSVI=tran,USERID=userid,START=start,SSID=ssid
  ```

- The parameters can also be specified as part of the SIT INITPARMs

  Example:

  ```
  INITPARM=(DFHMQPRM='SN=CSQ2,IQ=CICS.SYSVC660.INITQ',
  DFHDBCON='00,SVPB',GSVCGSVS='GSVI=*,USERID=*,START=*,SSID=*'),
  ```

Event Scheduler

The CA SYSVIEW Option for CICS renamed the following data collection event functions. The old function name is automatically converted to the new function name.

New Function	Old Function
SYSTEM-CONNECT	STATE-CONNECT
SYSTEM-FACILITY	STATE-FACILITY
SYSTEM-FILES	STATE-FILES

New Function	Old Function
SYSTEM-PROGRAMS	STATE-PROGRAMS
SYSTEM-SOCKETS	STATE-SOCKETS
SYSTEM-CONDITION	STATE-SYSTEM
SYSTEM-TDATA	STATE-TDATA
SYSTEM-TERMINALS	STATE-TERMINALS
SYSTEM-TRANS	STATE-TRANS
SYSTEM-IPCONN	STATE-IPCONN
SYSTEM-PIPELINES	STATE-PIPELINES

CA DATACOM Option

The CA SYSVIEW CA DATACOM Option has been enhanced.

Commands Enhanced

The following enhancements have been made to existing commands.

DCDBASES

Datacom directory databases

Deleted data fields

The following fields have been removed and are no longer valid after Datacom r11.

- Extend
- Index
- Tracks

DCLIST

Displays the monitored CA DATACOM jobs.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.

DB2 Option

The CA SYSVIEW DB2 Option has been enhanced.

Commands Enhanced

The following enhancements have been made to existing commands.

DB2LIST

DB2 subsystem list

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.
- DSGroup - The data sharing group name where this DB2 is a member. The group is blank if the DB2 is inactive or if the DB2 is not a member of a data sharing group.
- Atch - The data sharing group attach name where this DB2 is a member. The attach name is blank if the DB2 is not a member of a data sharing group.

New line commands:

- IRlmlist - Use to invoke the IRLMLIST command for DB2 subsystem.
- LOcks - Use to invoke the IRLMLOCK command for DB2 subsystem.

Event Capture Option

The CA SYSVIEW Event Capture Option has been enhanced.

Commands Enhanced

The following enhancements have been made to existing commands.

CAPCLOSE

Used to close a capture data set.

New syntax parameters:

- Msg, NOMsg - Controls whether the "Capture closed" informational message is displayed. The default is MSG. Warning and error messages are always displayed.

CAPIMMED

Capture immediate

New syntax parameters:

- Msg, NOMsg - Controls whether the "Capture complete" informational message is displayed. The default is MSG. Warning and error messages are always displayed.

CAPOPEN

Capture open

New syntax parameters:

- Msg, NOMsg - Controls whether the "Capture opened" informational message is displayed. The default is MSG. Warning and error messages are always displayed.

CAPTURE

Capture event

Syntax

```
CAPTURE     OPEN <opts>
            IMMEDIATE <opts>
            CLOSE <opts>
```

New syntax parameters:

- Msg, NOMsg - Control whether to display the generated messages by the commands Capture Opened, Capture Complete, and Capture Closed. The default is MSG. Any warning or error messages are always displayed. Message and NOMessage are aliases for the Msg and NOMsg keywords.

SMFLOG

Displays the SMF log.

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

Option for IMS

The CA SYSVIEW Option for IMS has been enhanced.

Commands Enhanced

The following enhancements have been made to existing commands.

IMSALERT

Displays the IMS exception alerts.

Syntax:

```
IMSALERT     < WARNing       | NORMal    >
             < THRESH        | ALL       >
             < DETAIL          | SUMMARY   >
             < STATS           | NOSTATS   >
             < DESC            | NODESC    >
             < ACK               | NOACK     >
             < NOXSData     | XSData    >
             < NOXSYStem | XSYStem   >

             < NAME          name      >

             < RESource      resource  >
             < RSCE          resource  >
             < ARGument      resource  >

             < ID            id        >
             < GROUP         group     >
             < SUBGroup      subgroup  >
             < SUMMGRP       summgrp   >
```

New syntax parameter

- SUMMGRP summgrp - Limit the display to only those entries with corresponding value in the SummGrp field.

New Data Field

- SummGrp - The summarization group ID.

IMSDAILY

IMS daily usage

The command has been enabled for system-wide and cross-system data.

Syntax

```
IMSDAILY     < REGion     | SYStem     >
             < XSYStem | NOXSYStem >
             < XSData     | NOXSData   >
             < GROUP  name >
```

New Syntax Keywords

- REGion - Display only the current target address space. This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.

- SYStem - Display all IMS address spaces currently being monitored on the current system.
- XSYStem, XSData - Display all IMS address spaces for all systems. This keyword forces the cross system data collection to be set on for this execution. The current profile setting of XSDATA is maintained.
- NOXSYStem, NOXSData - This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- GROUP - An argument is to follow specifying the group name that contains the list of IMS subsystems to be displayed. The list of available groups with the type IMSID can be found on the GROUPS command. A group name of "*" can be entered to indicate that no group processing is required.

IMSLIST

IMS control regions

The command has been enabled for cross-system data.

Syntax

```
IMSDAILY    < XSYStem | NOXSYStem >
            < XSData  | NOXSData  >
            < GROUP  name >
            < MONitored >
```

New Syntax Keywords

- XSYStem, XSData - Display all IMS address spaces for all systems. This keyword forces the cross system data collection to be set on for this execution. The current profile setting of XSDATA is maintained.
- NOXSYStem, NOXSData - This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- GROUP - An argument is to follow specifying the group name that contains the list of IMS subsystems to be displayed. The list of available groups with the type IMSID can be found on the GROUPS command. A group name of "*" can be entered to indicate that no group processing is required.
- MONitored - Only monitored IMS control regions display. Monitored IMS IDs can be found on the IMSMON display.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.

IMSLOCKS

Displays IMS IRLM locks.

The command has been enabled for system-wide and cross-system data.

Syntax

```
IMSDAILY    < REGion    | SYStem    >
            < XSYStem | NOXSYStem >
            < XSData    | NOXSData  >
            < GROUP  name >
```

New Syntax Keywords

- REGion - Display only the current target address space. This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- SYStem - Display all IMS address spaces currently being monitored on the current system.
- XSYStem, XSData - Display all IMS address spaces for all systems. This keyword forces the cross system data collection to be set on for this execution. The current profile setting of XSDATA is maintained.
- NOXSYStem, NOXSData - This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- GROUP - An argument is to follow specifying the group name that contains the list of IMS subsystems to be displayed. The list of available groups with the type IMSID can be found on the GROUPS command. A group name of "*" can be entered to indicate that no group processing is required.

IMSLOGRS

Displays the IMS loggers.

The command has been enabled for cross-system data.

Syntax

```
IMSLOGRS     < XSYStem | NOXSYStem >
             < XSData    | NOXSData  >
             < GROUP  name >
```

New syntax keywords

- XSYStem, XSData - Display all IMS address spaces for all systems. This keyword forces the cross system data collection to be set on for this execution. The current profile setting of XSDATA is maintained.
- NOXSYStem, NOXSData - This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- GROUP - An argument is to follow specifying the group name that contains the list of IMS subsystems to be displayed. The list of available groups with the type IMSID can be found on the GROUPS command. A group name of "*" can be entered to indicate that no group processing is required.

New line commands

- DDUMP - Dump the IMSLOGR dataspace for the selected IMSLOGR.
- SLGR - Start the IMSLOGR for the selected control region.
- PLGR - Stop the IMSLOGR for the selected control region.

IMSMON

Displays IMS monitor definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

IMSOMAT

IMS OM audit trail

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

IMSRACT

Displays IMS-dependent region detail.

New data fields

- SSA - Shows the first 48 bytes of the SSA work area.
- I/O Area - Shows the first 80 bytes of the current I/O area.

IMSREGNS

Displays IMS-dependent regions.

The command has been enabled for system-wide and cross-system data.

Syntax

```
IMSDAILY    < REGion    | SYStem    >
            < XSYStem | NOXSYStem >
            < XSData    | NOXSData  >
            < GROUP  name >
            < MONitored >
```

New Syntax Keywords

- REGion - Display only the current target address space. This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- SYStem - Display all IMS address spaces currently being monitored on the current system.
- XSYStem, XSData - Display all IMS address spaces for all systems. This keyword forces the cross system data collection to be set on for this execution. The current profile setting of XSDATA is maintained.
- NOXSYStem, NOXSData - This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- GROUP - An argument is to follow specifying the group name that contains the list of IMS subsystems to be displayed. The list of available groups with the type IMSID can be found on the GROUPS command. A group name of "*" can be entered to indicate that no group processing is required.
- MONitored - Only monitored IMS control regions display. Monitored IMS IDs can be found on the IMSMON display.

New data fields:

- Dispatch - The dispatchability of the address space.

  One of the following values:

  - RUNNING - The address space has one or more units of work (tasks or SRBs) running on a processor.
  - READY*nnn* - The address space has one or more units of work (tasks or SRBs) that are dispatchable but are waiting to run on a processor. The *nnn* portion is the dispatch priority order up to a maximum of 255.
  - Blank - The address space is not dispatchable.
- ProcTime - Specifies the transaction processing time. This value is the current time minus the transaction schedule time.
- InQTime - Specifies the transaction input queue time. This value is the schedule time minus the transaction enqueue time.

Note: FASTPATH response time components are extracted from fields in the IMS x'59' log record. IBM stores the time in milliseconds and values less than 1 millisecond appears as a BLANK on the display.

- SQ6Time - Specifies the total amount of time the region waited on the scheduler queue for the current transaction to arrive. This field applies to WFI and PWFI transactions.

IMSRSLOG

Displays the IMS region summary log.

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

IMSSTATE

Displays the IMS state definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                  *(member)
  ```

IMSTHRSH

Displays the IMS threshold definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

IMSTLOG

Displays IMS transaction logs.

The CA SYSVIEW log stream technology that reads and writes from the log streams now provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

New Data Field

- SQ6time - The total amount of time that the region spent on the scheduler queue for the transaction to arrive. This field only applies to WFI and PWFI transactions.

New data fields in section: ESS Trace

- Object name
- MQ call type

IMSWAITS

Displays the available IMS monitor variables.

The command has been enabled for system-wide and cross-system data.

Syntax

```
IMSDAILY    < REGion    | SYStem    >
            < XSYStem | NOXSYStem >
            < XSData    | NOXSData  >
            < GROUP  name >
```

New syntax keywords

- REGion - Display only the current target address space. This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- SYStem - Display all IMS address spaces currently being monitored on the current system.
- XSYStem, XSData - Display all IMS address spaces for all systems. This keyword forces the cross system data collection to be set on for this execution. The current profile setting of XSDATA is maintained.
- NOXSYStem, NOXSData - This keyword forces the cross system data collection to be set off for this execution. The current profile setting of XSDATA is maintained.
- GROUP - An argument is to follow specifying the group name that contains the list of IMS subsystems to be displayed. The list of available groups with the type IMSID can be found on the GROUPS command. A group name of "*" can be entered to indicate that no group processing is required.

Configuration Options - Parmlib member - IMSVARS

The VARIABLE-SET option can be used to control the set of data collection metrics to collect. A new action has been defined to control the set of metrics that are sent to the Time Series Facility as part of the CA Chorus Infrastructure Management for Networks and Systems. Only those defined TSF eligible metrics can be enabled or disabled. The eligible list can be viewed on the IMSVARS command.

- VARIABLE-SET

  `source:variable:actions`

  source

  IMS

  variable

  The data collection metric name. You can specify the name generically.

  - The variable-length mask character: =
  - The fixed-length mask character: *

  actions

  The actions to apply.

  - ENAbled - The collection is enabled.
  - DISabled - The collection is disabled. TSF is also disabled.
  - TSF - The TSF collection is enabled. The metric must also be enabled.
  - NOTSF - The TSF collection is disabled.

TCP/IP Option

The TCP/IP Option for CA SYSVIEW has been enhanced.

Commands Enhanced

The following enhancements have been made to existing commands.

TCPALERT

Displays the TCP exception alerts.

Syntax

```
TCPALERT    < WARNing      | NORMal   >
            < THRESH       | ALL      >
            < DETAIL         | SUMMARY  >
            < STATS          | NOSTATS  >
            < DESC           | NODESC   >
            < ACK              | NOACK    >
            < NOXSData    | XSData   >
            < NOXSYStem | XSYStem  >

            < NAME          name     >

            < RESource      resource >
            < RSCE          resource >
            < ARGument      resource >

            < ID            id       >
            < GROUP         group    >
            < SUBGroup      subgroup >
            < SUMMGRP       summgrp  >
```

New syntax parameters

- SUMMGRP summgrp - Limit the display to only those entries with corresponding value in the SummGrp field.

New data fields

- SummGrp - The summarization group ID.

TCPMON

Displays the TCP/IP monitor definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

TCPSTATE

Displays TCP/IP state definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

TCPTHRSH

Displays TCP/IP threshold definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)
- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)
- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)
- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

Option for WebSphere MQ

The CA SYSVIEW Option for WebSphere MQ has been enhanced.

Commands Added (MQ)

The Option for WebSphere MQ has been enhanced to include the following new command:

MQSSET

Actions are performed on the MQ objects.

Commands Enhanced

The following enhancements have been made to existing commands.

MQALERTS

Displays the MQ exception alerts.

Syntax

```
MQALERTS     < WARNing       | NORMal   >
             < THRESH        | ALL      >
             < DETAIL          | SUMMARY  >
             < STATS           | NOSTATS  >
             < DESC            | NODESC   >
             < ACK               | NOACK    >
             < NOXSData    | XSData   >
             < NOXSYStem | XSYStem  >

             < NAME          name     >

             < RESource      resource >
             < RSCE          resource >
             < ARGument      resource >

             < QMGR          qmgr     >
             < GROUP         group    >
             < SUBGroup      subgroup >
             < SUMMGRP       summgrp  >
```

New syntax parameters

- SUMMGRP summgrp - Limit the display to only those entries with corresponding value in the SummGrp field.

New data fields

- SummGrp - The summarization group ID.

MQMON

Displays the MQ monitor definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

MQSTATES

MQ state definitions

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                  *(member)
  ```

MQRLOG

Displays the MQ request history log.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

MQTHRESH

MQ threshold definitions

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

Configuration Options - Parmlib member - MQSDATA

The parameter library member MQSDATA has been enhanced to include a new configuration option.

QMGR-ERROR-NOTIFY-INTERVAL

Specify the interval in which repetitive error messages are suppressed from being sent to an end user or job log. The error messages continue to be written to the interval list log.

Default: 00:00:00

Configuration Options - Parmlib member - MQSVARS

The VARIABLE-SET option can be used to control the set of data collection metrics to collect.

A new action has been defined to control the set of metrics that is sent to the CA Chorus Infrastructure Management for Networks and Systems Time Series Facility (TSF). Only those defined TSF eligible metrics can be enabled or disabled. The eligible list can be viewed on the MQVARS command.

VARIABLE-SET

`source:variable:actions`

source

WEBMQ

Variable

Name of the data collection metric. You can specify this name generically.

- The variable-length mask character: =
- The fixed-length mask character: *

Actions

Actions to apply.

- ENAbled - The collection is enabled.
- DISabled - The collection is disabled. TSF is also disabled.
- TSF - The TSF collection is enabled. The metric must also be enabled.
- NOTSF - The TSF collection is disabled.

Components

The enhancements to the CA SYSVIEW components are provided in this section.

Audit Events Component

The Audit Events component tracks or audits the activities and actions that are performed within the CA SYSVIEW product. The Audit Events component is designed to record activities that alter or change resources.

Commands Enhanced

The following enhancements have been made to existing commands.

AUDITDEF

Audit event definitions.

The command has been enhanced to support the library concatenation.

Changed subcommand syntax parameters:

Export definitions to a specific member of a data set.

Syntax:

```
EXPORT    member
                dsname(member)
```

Parameters and descriptions

- member - The name of the member to be saved.
- dsname - The data set name where the specified member is saved.

  The data set name can be specified as a fully qualified data set name or using one of the following special keywords.

Keywords and descriptions

- USER - Use the optional data set name that you defined in the user profile for the library type PARMLIB.

  Example: USER(*member*)

- SITE - Use the optional site PARMLIB date set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SITE(*member*)

- SYSTEM - Use the system PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV.

  Example: SYSTEM(*member*)

- SITESYSTEM|* - Use the optional site PARMLIB data set that is defined in the system configuration options parmlib member GSVXSYSV. If the site data set has not been defined, use the system PARMLIB data set name.

  Example:

  ```
  SITESYSTEM(member)
                    *(member)
  ```

AUDITLOG

Audit event log

The CA SYSVIEW log stream technology that reads and writes from the log streams provides a significant performance boost.

This enhancement provides these benefits:

- Reduced the CPU used to read and write from a log stream.
- Reduced the elapsed time that is required to read many records from a log stream.

The default and maximum value for the LINES parameter has been adjusted.

Parameter

- LINES

  New Default: 25,000

  New Maximum: 1,000,000

  Old Default: 5,000

  Old Maximum: 100,000

  This LINES value is stored in the user profile. You can change the stored default value by issuing the following command from the desired primary command:

  `OPTIONS LINE` *nnnnn*

CA Graphical Management Interface

The CA SYSVIEW CA GMI component provides a modern GMI Windows GUI interface from which you can access and use CA SYSVIEW. This interface has been enhanced.

Objects Added

The following objects have been added to the CA SYSVIEW CA GMI component interface:

- ALERTSUM - Exception alert summary
- ASLOCKS - Address space suspend locks
- HCLOG - Health Checker log
- IDBUFFIO - Buffer I/O
- IDDBASES - Database Overview
- IDDBIOD - Database I/O Drivers
- IDJRNL - Journal Activity
- IDLINES - Communication Lines
- IDLTERMS - Logical Terminals
- IDLTRESU - Logical Term Resources
- IDPGMPL - Program Pools
- IDRU - System Run Units
- IDSCRMGR - Scratch Manager
- IDSQL - SQL Usage
- IDSTG - Storage Pool Overview
- IDSTGPL - Storage Pools
- IDTASKS - Active Tasks
- IDTRANOV - Transaction Overview
- IDTRANS - Transactions
- IDTSKPGM - Task/Program Pool
- JOUTPUTW - JES Job Output
- JPRINTER - JES Printers
- JSYSLOGW - System Log

Objects Enhanced (GMI)

The following objects have been enhanced:

OPERLOG

The OPERLOG object functionality is now similar to the other log stream commands. This object also has a new object name of SY817000 and object number 40703.

IDMSLIST

New Zooms:

- System Activity - Zooms to ACTIVITY
- Datasets Allocated - Zooms to DSALLOC
- Output Files - Zooms to LISTFILE
- Tasks - Zooms to TASK.

Object Tree Enhancements

The object tree has been enhanced to include the following folders:

CA SYSVIEW\Databases\CA IDMS

This new CA IDMS branch contains CA IDMS commands.

The OUTPUT command has been replaced with the new JOUTPUTW command.

The PRINTER command has been replaced with the new JPRINTER command.

The SYSLOG command has been replaced with the new JSYSLOGW command.

Objects Deleted

The following objects have been removed.

- OUTPUT - JES Job Output
- PRINTER - JES Printers
- SYSLOG - System Log

CA Explore Report Writer

The CA SYSVIEW CA EXPLORE Report Writer is packaged and delivered with CA SYSVIEW. You can use this easy to use report writer to create reports on CA SYSVIEW records and various SMF and RMF records.

New Report Options

Support has been added for the user supplied leap second option. Leap seconds are automatically adjusted in time values that are read from SMF records. However, a record was not always created on an LPAR running with leap seconds. The new option allows leap seconds to be included (default), excluded, or use a user specified number in time conversion calculations.

OPTION(LEAPSEC= <YES> | <NO> | <nn>)

- YES - Assume the SMF records were written in an environment accounting for leap seconds (DEFAULT).
- NO - Assume the SMF records were written in an environment NOT accounting for leap seconds.
- nn - The positive integer of leap seconds to be used when converting time values for display.

Note: LEAPSEC=NO and LEAPSEC=0 are equivalent.

Variables Added

The following variables have been added to the CA Explore Report Writer.

PRODUCT	TYPE	CLASS	VAR	DESCRIPTION
CICS	PERF	TRAN	L8CPUT	Average L8 TCB CPU TIME
CICS	PERF	TRAN	DB2RQWT	Average DB2 Ready Queue Wait Time
CICS	PERF	TRAN	DB2CWT	Average DB2 Connection Wait Time
CICS	PERF	TRAN	DB2WT	Average DB2 Wait Time
CICS	PERF	TRAN	RUNTIME	Average Run Time (LIFETIME - DSPDELAY)
CICS	PERF	TRAN	IRSPTIME	Average Non-Terminal Response Time
CICS	INT	TRAN	DB2RQWT	Average DB2 Ready Queue Wait Time
CICS	INT	TRAN	DB2CWT	Average DB2 Connection Wait Time
CICS	INT	TRAN	DB2WT	Average DB2 Wait Time
CICS	INT	TRAN	IRSPTIME	Average Non-Terminal Response Time

CICS	SUM	TRAN	DB2RQWT	Average DB2 Ready Queue Wait Time
CICS	SUM	TRAN	DB2CWT	Average DB2 Connection Wait Time
CICS	SUM	TRAN	DB2WT	Average DB2 Wait Time
CICS	SUM	TRAN	RUNTIME	Average Run Time (LIFETIME - DSPDELAY)

IDMS Component

The IDMS component has been enhanced to specify whether to activate the component CA SYSVIEW for IDMS.

Valid Values: Yes, No

Default: No

Commands Added to the IDMS Component

The CA SYSVIEW for IDMS has been enhanced to include the following new commands:

- IDBUFFIO - IDMS buffer I/O
- IDDBASES - IDMS database overview
- IDDBIOD - IDMS database I/O drivers
- IDJRNL - IDMS journal activity
- IDLINES - IDMS communication lines
- IDLTERMS - IDMS logical terminals
- IDLTRESU - IDMS logical terminal resource usage
- IDMS- Set target IDMS
- IDMSTEST - IDMS test
- IDPGMPL- IDMS program pools
- IDRU - IDMS system run units
- IDSCRMGR - IDMS scratch manager
- IDSQL - IDMS SQL usage
- IDSTG - IDMS storage pool overview
- IDSTGPL - IDMS storage pools
- IDTASKS - IDMS active tasks
- IDTRANS - IDMS transactions
- IDTRANOV - IDMS transaction overview
- IDTSKPGM - IDMS task/program pool overview

Command Enhanced

The following enhancements have been made to existing commands:

IDMSLIST

Displays the CA IDMS address space list.

New Syntax: Lets you specify a GROUP.

```
IDMSLIST < XSYStem | NOXSYStem >
                                  < XSData   | NOXSData >
                                  < GROUP   name >
```

New syntax parameter

- GROUP - An argument follows specifying the group name that contains the list of IDMS job names to be displayed. The list of available groups with the type IDMS can be found on the GROUPS command.

  A group name of "*" can be entered to indicate that no group processing is required.

Security

CA SYSVIEW Security has been enhanced.

Security Data Set Conversion

During installation, the conversion utility GSVXCNVS converts the security data set from a previous CA SYSVIEW release to the current release.

By default, the security file conversion marks command authorization for new commands as allowed.

Note: In previous releases, the default action was to fail new commands.

You can modify the default behavior by coding the SYSIN data set for the GSVXCNVS utility. The following example fails new commands for all groups except ADMIN:

```
//SYSIN  DD  *
  FAILNEWCMDS=YES,GROUP=*ALL*
  FAILNEWCMDS=NO,GROUP=ADMIN
/*
```

The input processes in the order that it is read and uses the last setting that applies to the user group.

The SPOOL resource has also been expanded to accommodate JES3:

- JES2 now includes the full 6-byte volume name
- JES3 includes the 8-byte DDname

Note: In prior releases of CA SYSVIEW, the SPOOL resource was a 2-byte suffix of the JES2 spool volume. Therefore, modify the resource name of your existing internal security rules for JES2 SPOOL to be the full spool volume name.

Security Reports

The External Security section can be optionally included in a security report.

Example:

```
//SYSIN    DD  *
REPORTS=(GRPDET=DEFAULT)
SECTIONS=(JOBS,CMDFLDS,EXTERNAL)
/*
```

In releases before Release 13.9, the External Security section was always included in the report.

Security Utility

A new utility is available to allow User Groups to be copied from one security data set to another.

Sample JCL can be found in SYSVIEW.DEV.BASE.SAMPLIB(USERLIBS).

External Security Considerations

Commands have been added to CA SYSVIEW in this release. More external security rules could be required.

- Modify any existing rules and profiles for the JES2 SPOOL resource if they were not generic enough to allow access to all spool volumes.

  The entity:

  `SV.RESN.<system>.SPOOL.<JES2_ssid>.<2-byte_spool_volume_suffix>`

  Changed to:

  `SV.RESN.<system>.SPOOL.<JES2_ssid>.<6-byte_spool_volume>`

- The sample SAF exits SAFSECX and JSPLSECX are no longer supported. The SAF entity checking is now internal to CA SYSVIEW. You enable the SAF entity checking by defining a SAF entity class. You can define this class in the External Security Section of the internal security group for the user, or in the GLOBAL group.

  You can call the pre-SAF notification exit before calling SAF. CA SYSVIEW passes the class name and entity name to the exit.

  Note: For more information, see the *Security Guide*.

- SAF resource calls can now be suspended for a specific resource type. Previously, the ability to suspend all resource calls could be done by granting a user read access to the entity SV.SUSP.<system>.RESN. Now, a specific resource type can be suspended by granting a user read access to the entity SV.SUSP.<system>.RESN.<resource>.

  Code the following suspend rule to suspend all resource checking for the output class a job on the spool is in:

  `SV.SUSP.<system>.RESN.OUTCLASS`

- A new SAF Generator Utility can be used to generate template profiles, or rule definitions that are based on your external security manager.

  Sample JCL to execute the utility is located in:

  `SYSVIEW.DEV.BASE.SAMPLIB(GSVUSAFE)`

  For more information, see the following help topic Implementing External Security (SAF).

Commands Enhanced

The following enhancements have been made to existing commands.

SECURITY

- Security Miscellaneous section

  The Miscellaneous Section of a CA SYSVIEW security user group controls user access to commands that have been defined in multiple command groups.

  - Option: Timeout value (Minutes)

    The amount of time a CICS or VTAM session can be idle before the session is automatically terminated.

    The value is in minutes. A value of 0 (zero) specifies there is no time limit.

    For example, suppose the timeout value is 5. If a user in this group logs in and the user does not enter any input for 5 minutes, then the session is terminated.

    Default: 240

    In previous releases, the default was 0.

- Security Administration - The external security section.

  The External Security Section of a CA SYSVIEW security user group contains the following new option to control external security requests:

  - Option: Bypass internal security call

    Specify a value of YES if you want only the external security determining access. The Internal security is not called before the external security. Access that internal security failed, the external security does not override and allow. This option allows you to use the external security exclusively without having to allow all access in the DEFAULT internal security group.

    Note: When you set this option, Command Groups you defined in the internal security do not participate in determining command and subcommand access.

    Default: No

REXX Environment

The CA SYSVIEW REXX function has been enhanced.

REXX Address Environment

The CA SYSVIEW REXX services have been enhanced to allow a host environment and module to be specified.

```
ADDRESS LINK GSVXRXAA <envname> <modname> <subname>
```

<envname>

(Optional) The host command environment name to be added to the REXX host command environment table.

Default: &G$HCEnvName

If specified, the value must be from 1 to 8 alpha, national, or numeric characters. The lowercase characters are translated to uppercase.

If an environment name is not specified, the environments SYSVIEW and SYSVIEWE are both created.

<modname>

(Optional) The name of the module to be invoked for "ADDRESS <envname>".

Default: GSVXAPIE

If specified, the value must follow standard PDS member name rules.

<subname>

The name of the module that the <modname> parameter attaches. This parameter is optional. The default is GSVXAPID. If specified, the value must follow standard PDS member name rules.

- Return codes from this routine:
  - 00 - The requested entry was added to the host command environment table or was already in the table.
  - 04 - Too many parameters were specified. Only three are allowed.
  - 08 - A required parameter was omitted. This return code is not currently used and should not occur.
  - 12 - The maximum length of a parameter was exceeded. The <envname>, <modname>, and <subname> parameters all have a maximum length of 8 bytes.
  - 16 - An invalid parameter value. The <envname>, <modname>, or <subname> parameter contained invalid characters.
  - 20 - IRXSUBCM error. A message that explains the error is also issued.
  - 28 - IRXSUBCM error. A language processor environment could not be located.
  - 32 - IRXSUBCM error. The parameter list is not valid. The parameter list contains either too few or too many parameters. Or the high-order bit of the last address in the parameter list is not set to 1 to indicate the end of the parameter list.

- To delete a host command environment table entry use GSVXRXAD. This module does not delete an entry whose token is not blanks or nulls. To delete one of these entries use GSVXRXAP (see the following bullet).
- To purge a host command environment table entry use GSVXRXAP. This module does not delete an entry regardless of the contents of the token.

REXX Functions Added

The CA SYSVIEW REXX function has been enhanced to include the following new commands:

- TESTCMD - The TESTCMD function tests the string to see if it is a valid command name and, if so, can the command be executed. The string is supplied as an argument.

User-Defined Displays

CA SYSVIEW lets users create their own command displays. The following process guides you through creating the displays.

How you create the displays:

1. Use REXX to build the user command displays.
2. Use the RXDISP command for invoking a REXX EXEC.
3. Use the data queued to the REXX stack for creating the CA SYSVIEW display.

The display can be simple rows of text data, or can be formatted using extended attributes.

The user display can support the following functions:

- Extended attributes
- Online help
- Line commands
- Selection
- Sorting

User Command Definition

The user command definition has been extended to allow a HELP member to be associated with the user command.

```
DEFINE          commandname
   MINlen       nn
   DESCription  ' '
   HELP         member
   CMDstring    string
ENDDEFINE
```

Example product supplied user commands:

CAPDISPLAY

Capture the current display.

CICSDATA

CICS data collect dashboards.

DASHboard

Displays the dashboards.

FILEList

Displays the Multi-DSN Directory.

GOTOCICS

Go to the CICS region.

LOAN

Displays the loan calculator.

LOGOFF

Logout of the product.

MQCLUSTERTopic

Displays the cluster MQ topic objects.

MQLOCALTopic

Displays the locally defined MQ topic objects.

NEWCHELP

Library Cache reload HELP library.

NEWCPARM

Library Cache reload parameter library.

NEWCTEMP

Library Cache reload template.

PROBlem

Select problem lines.

STARTSYSVIEW

Start the SYSVIEW Main address space.

STOPSYSVIEW

Stop the SYSVIEW Main address space.

STP

Displays Server Time Protocol information.

SYSVDATA

SYSVIEW data collect dashboards.

SYSVZIIP

SYSVIEW zIIP usage dashboard.

TOPCPU

Top 10 CPU address spaces

UNIQflds

Displays a list of unique fields.

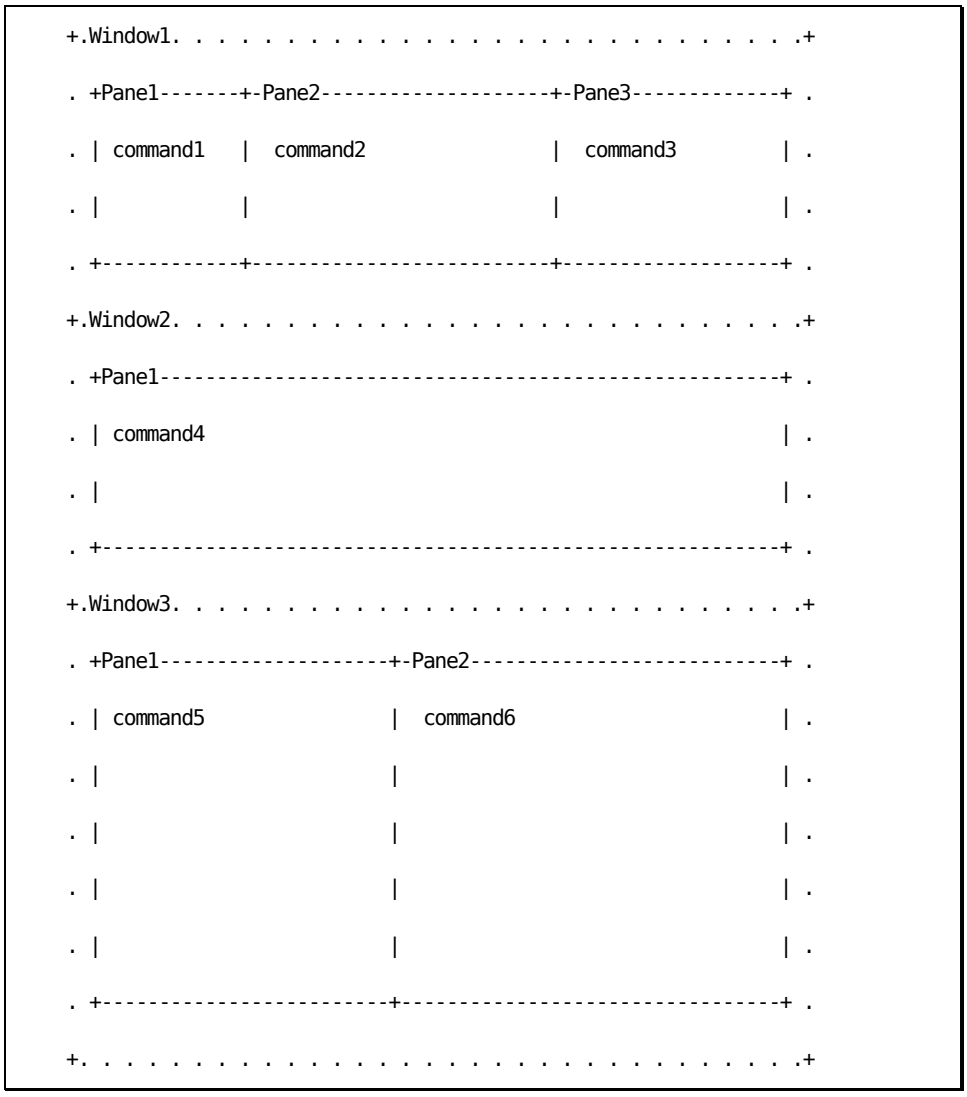
WARNing

Select warning lines.

Dashboards

A dashboard is a display showing multiple SYSVIEW and user commands each in separate areas of the display named window panes. Dashboards are built using specific keywords to describe the windows and panes and the commands that are associated with them. You do not require programming.

A dashboard consists of horizontal areas of the display named windows. Each window is divided into one or more areas named panes. Each pane contains the data from a SYSVIEW command.



The dashboard feature enhances performance management and troubleshooting capabilities by letting you do the following tasks:

- Create customized screen views.

- Combine data from various CA SYSVIEW sources (CICS, MQ, DATACOM, IMS, JES, and z/OS).

The dashboard display consists of horizontal areas, or windows, and each window is divided into one or more areas or panes. You can display multiple CA SYSVIEW and user commands in the window panes.

For more information, see the online help topic Dashboards.

Dashboard Pane Options Added

The dashboard pane has been enhanced.

New Pane Option

NOADD

Eliminates the first row of data when the row is an ?Add input line. Also, any column data that starts with a ? is blanked out.

For more information, see the Help topic: Dashboards.