CA SYSVIEW® Performance Management

Release Notes

Version 14.0

CA Technologies Product References

This document references the following CA Technologies products:

- CA Application Performance Management (CA APM)
- CA Cross-Enterprise Application Performance Management (CA Cross-Enterprise APM)
- CA DATACOM®/DB (CA Datacom/DB)
- CA Graphical Management Interface (CA GMI)
- CA Chorus™ Software Manager (CA Chorus Software Manager)
- CA Chorus™
- CA IDMS™
- 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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If you have comments or questions about CA Technologies product documentation, you can send a message to techpubs@ca.com.

To provide feedback about CA Technologies product documentation, complete our short customer survey which is available on the CA Support website at http://ca.com/docs.

Documentation Changes

The following links provide quick access to prior CA SYSVIEW bookshelves:

- [CA SYSVIEW Performance Management 13.9 Bookshelf](#)
- [CA SYSVIEW Performance Management 13.7 Bookshelf](#)
- [CA SYSVIEW Performance Management 13.5 Bookshelf](#)

Contents

Chapter 1: Enhancements to Existing Features

This section contains the following topics:

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.

Log Stream Browsing Command Changes

You can modify the defaults for the PERIOD operand of the log stream browsing commands. This operand limits the scope of data to search, the commands are easier to use, and it returns results faster.

AUDITLOG

Audit event log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

CTRANLOG

CICS transaction log summary.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day

1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

CTRANSUM

CICS transaction intervals.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

CSYSDATA

CICS system interval analysis.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month

1Years	1 year
hh:mm:ss	hours:minutes:seconds

HCLOG

Health checker log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

IMSOMAT

The IMS OM audit trail.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year

hh:mm:ss	hours:minutes:seconds

IMSRSLOG

The IMS region summary log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which records to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

IMSTLOG

The IMS transaction log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

LGBROWSE

The Log stream browser.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

MQRLOG

The MQ request history log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

OPERLOG

Operations log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

PLOTLOG

The historical plot log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

SMFLOG

The SMF log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

XLOG

The exception log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

Installation Enhancements

The installation process has been enhanced.

System Configuration Options

Sample system configuration option members can be found in the SYSVIEW samplib data set sysview.CNM4BSAM for current and previous releases of CA SYSVIEW. The sample members contain all options and full descriptions for each option.

Members:

- GSVSGSVX for Version 14.0

- GSVXR139 for Release 13.9

- GSVXR137 for Release 13.7

- GSVXR135 for Release 13.5

SYSVIEW Library Concatenation

Note: This Library Concatenation information is valid for Release 13.9 and Version 14.0.

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)
  Sysview.samplib
  ```

- Job to create the SITE library data sets:

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

User Supervisor Call (SVC) Removal

In releases before Version 14.0, you defined a user SVC in the CA SYSVIEW System Configuration Options member GSVXGSVX. This member resides in the system parmlib concatenation.

Starting at Version 14.0, remove the following obsolete System Configuration Option from any options member:

SVC-Number

If you do not remove this option, the CA SYSVIEW initialization continues while issuing the following series of warning messages:

GSV445W Configuration member: GSVXGSVX

GSV446W Configuration option: SVC-Number *nnn*

GSV447W Configuration error: Option name is obsolete.

CA CSM

CA Technologies has standardized product installations across all mainframe products. Installation uses the following process:

■   Acquisition—Transports the software to your z/OS system.

■   Installation using SMP/E—Creates an SMP/E environment and runs the RECEIVE, APPLY, and ACCEPT steps. The software is untailored.

■   (For CA Chorus Software Manager Release 5.1 and earlier only) Deployment—Copies the target libraries to another system or LPAR.

   Note: This step is optional for CA Chorus Software Manager Version 6.0. For more information, see the scenario *Configuring Products Using CA Chorus Software Manager* that is available in the CA Chorus Software Manager Version 6.0 bookshelf at http://ca.com/support.

■   Configuration—Creates customized load modules, bringing the software to an executable state.

■   (For staging system configurations in CA Chorus Software Manager Version 6.0 only) Deployment—Makes configured run-time libraries available to a remote location where that software can be activated, bringing it to an executable state.

CA Chorus™ Software Manager (CA Chorus Software Manager) is an intuitive web-based tool that can automate and simplify many CA Technologies product installation activities on z/OS systems. This application also makes obtaining and applying corrective and recommended maintenance easier. A web-based interface enables you to install and maintain your products faster and with less chance of error. As a best practice, we recommend that you install mainframe products and maintenance using CA Chorus Software Manager. Using CA Chorus Software Manager, someone with limited knowledge of JCL and SMP/E can install a product.

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 Data Set Member LOGGER

The parameter library data set member LOGGER has been enhanced to include the following options.

StagingFullWarningInterval

Default: 00:01:00

Each time a record is written to a log stream, information is obtained about the status of the staging data set associated with a DASD only log stream.

When a log stream is defined, a HIGHOFFLOAD value is specified. The HIGHOFFLOAD value specifies the percentage at which offload processing should start for the log stream.

If the HIGHOFFLOAD threshold has been met, the following message can be issued.

```
GSV2582W Log stream <stream> staging is <pct> full.
                  Capacity level: <status>
```

Since the offload status is evaluated on each write request, this allows for the possibility of a flood of GSV2582W messages. The "StagingFullWarningInterval" option controls how often the message will be issued.

Valid Values:

- hh:mm:ss - Specifies the interval between messages.

Related Options:

- StagingNotificationLevel

StagingNotificationLevel

Default: ELEVATED

Each time a record is written to a log stream, information is obtained about the status of the staging data set associated with a DASD only log stream.

When a log stream is defined, a HIGHOFFLOAD value is specified. The HIGHOFFLOAD value specifies the percentage at which offload processing should start for the log stream.

If the HIGHOFFLOAD threshold has been met, the following message can be issued.

```
GSV2582W Log stream <stream> staging is <pct> full.
                  Capacity level: <status>
```

The capacity level indicates the current amount above the defined high offload point.

Possible status values:

- ABOVE - Staging capacity level between HighOffLoad% and 1/3% (100%) full.

- ELEVATED - Staging capacity level between 1/3% and 2/3% (100%) full.

- IMMINENT - Staging capacity level between 2/3% and (100%) full.

Example:

```
HighOffLoad 70%       -------------------+
                                         |    1/3    2/3
                                         V
....10....20....30....40....50....60....70....80....90...100
                                         |  A  |  E  |  I  |
                                         +-----+-----+-----+
                                         |     |     |
        Above        --------------------+     |     |
        Elevated     --------------------------+     |
        Imminent     --------------------------------+
```
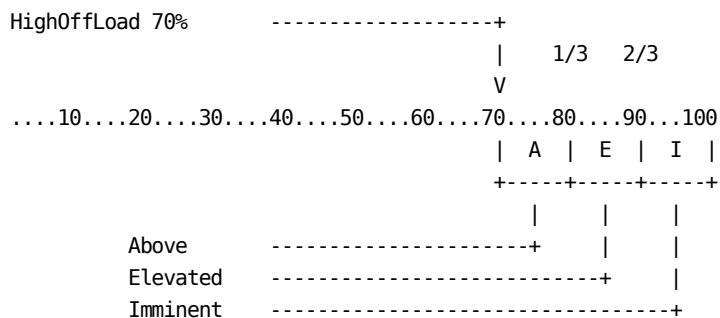
Specify the status level at which an alert message is desired.

Valid Values:

- ■   NONE - Do not issue alert messages.

- ■   ABOVE - Issue message when the offload percentage is between the defined HighOffLoad% and 1/3% (100%) full.

- ■   ELEVATED - Issue message when the offload percentage is between 1/3% and 2/3% (100%) full.

- ■   IMMINENT - Issue message when the offload percentage is between 2/3% and (100%) full.

- ■   TRACE - Issue message after each evaluation.

Related Options:

- ■   StagingFullWarningInterval

Parameter Library Member OPTIONS

The parameter library data set member OPTIONS has been enhanced.

All CA SYSVIEW tasks and sessions read the OPTIONS parmlib member. Starting in Version 14.0, the OPTIONS parmlib member gets cached to reduce the data set allocation.

The main task within each of the service address spaces:

- Read the member from the parmlib data sets

- Replace any cached data

Option: DynAllocUseMsgLevel0

Controls whether the dynamic allocation (DYNALLOC) requests set the S99MSGL0 flag in the S99RB.

Default: Yes

Valid Values:

- Yes - The DYNALLOC S99MSGL0 option is set for all dynamic allocation requests. This setting causes the dynamic allocation request to ignore the JCL MSGLEVEL= operand and to use MSGLEVEL=(,0) instead.

- No - The DYNALLOC S99MSGL0 option is not set for any dynamic allocation request. This setting allows normal JCL MSGLEVEL= operand value to be used.

Parameter Library Member SYSDATA

The SYSDATA parmlib member is used to set configuration options that are common for all data collectors.

The following option has been changed:

Option: LOG-XLOG-RECORDS-SMF

This option controls the logging of exceptions for all components except CICS. Review the CICSLOGR parmlib member for the CICS settings.

Specify if you want the exception records written to SMF.

The default value has been changed from YES to NO.

Valid Values:

■   Yes - Write exception records to SMF

■   No - Do not write exception records to SMF

Default Value:

■   No

Related Options:

■   LOG-XLOG-RECORDS

■   SMF-XLOG-RECORD-COMPRESSION

■   SMF-XLOG-RECORD-TYPE

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 Enhanced

The following enhancements have been made to existing commands.

ASADMIN

Address space administration

New data fields:

- ■ SWI - The task start wait interval.
- ■ EAStg - The estimated above-the-line storage required.

ATTNX

TSO attention exits

New data fields:

- ■ Defer - Attention exit deferral state.
- ■ Sched - Attention scheduled indicator.
- ■ TopLv - Top-level attention exit indicator.
- ■ Clist - CLIST ATTN statement support indicator.
- ■ TAXE - the TAXE address.

EXTRACT

Extract miscellaneous values

Syntax:

```
EXTRACT keyword<,target>
```

New Keyword:

- ■ DISPLAYDATA - Extracts the type of data displayed.

  Valid Values:

  - – CAPTURED - Previously captured data.
  - – REALTIME - Realtime data.

GROUPS

Displays and maintains logical groups.

Logical groups

In CA SYSVIEW releases before Version 14.0, there were two logical group commands: GROUPS and CGROUPS

Starting with CA SYSVIEW Version 14.0, the CICS logical groups command (CGROUPS) has been removed. All logical groups are displayed and maintained using a single command GROUPS.

Logical group definitions now support a group instance qualifier. Command syntax has been enhanced to support the new instance qualifier while continuing to support the prior command syntax for migrating users.

A RELOAD function and subcommand were added to the GROUPS command. The RELOAD function allows the loading of definitions from the parmlib or persistent data store.

Syntax to display logical groups:

```
GROUPs    {{TYPE type} {options}}
```

■   Add a new logical group

Syntax using keywords and values:

```
GROUPs  ADDGrp       Type      type
        ADDGroup     ,Group    group
                     {,Instance instance}
                      ,Desc     'description'
```

Syntax using specific parameter order:

```
GROUPs  ADDGrp         group type 'description' {instance}
        ADDGroup
```

■   Add a member to an existing logical group

Syntax using keywords and values:

```
GROUPs  ADDMbr       Type      type
        ADDMember    ,Group    group
                     {,Instance instance}
                      ,Member   member
                     {,inclexcl}
```

Syntax using specific parameter order:

```
GROUPs  ADDMbr         group type member {inclexcl {instance}}

        ADDMember
```

■   Delete an existing logical group and all members

Syntax using keywords and values:

```
GROUPs  DELGrp       Type      type
        DELETEGroup  ,Group    group
                     {,Instance instance}
```

Syntax using specific parameter order:

```
GROUPs  DELGrp         group type {instance}
        DELETEGroup
```

■   Delete an existing member from a logical group

Syntax using keywords and values:

```
GROUPs  DELMbr       Type      type
```

```
                                DELETEMember    ,Group    group
                                                {,Instance instance}
                                                 ,Member   member
```

Syntax using specific parameter order:

```
GROUPs   DELMbr          group type member {instance}
         DELETEMember
```

■   Test a member in a logical group

Syntax using keywords and values:

```
GROUPS   TESTmbr         Type      type
         TESTmember      ,Group    group
                         {,Instance instance}
                          ,Member   member
```

Syntax using specific parameter order:

```
GROUPs   TESTmbr         group type member {instance}
         TESTmember
```

■   Reload the definitions from parmlib or persistent data store

Syntax:

```
GROUPs   RELOAD          {* | blank | WARM}
                         {member          }
                         {DATALIB         }
                         {COLD          }}
```

New data field:

■   Instance - The logical group instance qualifier.

IPLINFO

IPL information

New data field values:

■   General - Displays IPL information

Valid Values:

–   FMID - ccc

–   VERID - <cvtverid>

QUERY

Query miscellaneous values

Syntax:

```
QUERY   keyword<,target>
```

New Keyword:

■   DISPLAYDATA - Extracts the type of data displayed.

Valid Values:

- – CAPTURED - Previously captured data.

- – REALTIME - Realtime data.

SCHEDULE

Scheduled events

Obsolete Functions:

■ MQSDATA-SYSTEM - System level metrics made obsolete at r14.0.

The function has been combined with the following existing function: MQSDATA-QMGRS.

SELECT

Set the field selection criteria.

The SELECT command has been enhanced to support logical group instances when using the following selection operators:

IN - Field value in a logical group name.instance/type

NI - Field value not in a logical group name.instance/type

Syntax:

```
SELECT   field IN name.instance/type
SELECT   field NI name.instance/type
```

■ name - The group name is required and must be a defined logical group name.

■ instance - The group instance is a qualifier to the group name and is optional.

■ type - The group type is optional if the field is defined with a default logical group type. Specifying a group type overrides any default logical group type.

SORT

Sort display data lines

Syntax:

```
SORT    field<,order> ... <LINELIMIT limit>
        startcol,endcol<,order> ... <LINELIMIT limit>
        <options>
```

New syntax parameters:

■ CLEARSAVED - Requests to clear that any SORT parameter saved with a SORT SAVE command.

You can enter the following optional keywords with a SORT CLEARSAVED command:

- – Msg, NOMsg - Controls the display of a "Saved sort parameters that cleared" message. The default is MSG.

- QUERYSAVED - Requests to display in a message any SORT parameters that are saved with a SORT SAVE command.

- RESTORE - Requests that any saved SORT parameters be restored and that the data be sorted with the restored SORT parameters.

  You can enter the following optional keywords with a SORT RESTORE command:

  - Msg, NOMsg - Controls the display of a "Saved sort parameters that cleared" message. The default is MSG.

  - Clearsaved, NOClearsaved - Controls whether the saved sort parameters will be cleared after restoring them. The default is NOCLEARSAVED.

- SAVE - Requests that any current SORT parameters be saved. Only one set of SORT parameters are saved. A second SORT SAVE overlays the first SORT SAVE parameters.

  You can enter the following optional keywords with a SORT SAVE command.

  - Msg, NOMsg - Controls the display of a "Saved sort parameters that cleared" message. The default is MSG.

STATUS

Displays the product and environment information.

New data fields:

- Environment

```
VTAM ApplId         <applid>
VTAM Network Name    <netname>
Pass Ticket Appl Id  <passticketappl>
```

- Real Storage

```
Total               <total>
Assigned            <assigned>
Unassigned          <unassigned>
```

- Software Versions

```
FMID                ccc
VERID               <cvtverid>
```

Renamed data fields:

Sysplex CF Level has been renamed to Sysplex Max CF Level.

SYSDMON

System data collection monitor

New data fields:

- zSwitch - Reports the number of zIIP mode switches.

z/OS Component Enhancements

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

Commands Enhanced for the z/OS Component

The following enhancements have been made to existing commands:

ACTSUM

Displays the job activity summary.

Syntax:

```
ACTSUM   { Current   | Average | MInimum | MAximum }
         { Normal    | Warning | Problem }

         { NOXSData  | XSData   }
         { NOXSYStem | XSYStem  }

         { JOBName    jobname }
         { JOBId      jobid   }
         { TYPE       jobtype }
         { INTerval  minutes }
```

New syntax parameters:

■　TYPE - Limits the display to only those entries with a corresponding value in the Type field.

■　INTERVAL - Specifies the interval to use when calculating the Current value.

　　Valid Values:

　　–　Default: 2

　　–　Minimum: 1

　　–　Maximum: 60

New information section fields:

■　Mode - The requested display mode.

　　Possible values are:

　　–　CURRENT

　　–　AVERAGE

　　–　MINIMUM

　　–　MAXIMUM

■　Interval - The number of data collection intervals that are averaged to compute the current value.

ALERTSUM

Exception alert summary

New Data Fields:

- ■ LastDate - The date of the last triggered exception for the resource.

- ■ LastTime - The time of the last triggered exception for the resource.

ASPERF

Address space performance

New Data Fields:

- ■ ASSBJBNI - Job name for the Initiated program that is associated with this address space.

- ■ ASSBJBNS - Job name for the START/MOUNT/LOGON that is associated with this address space.

- ■ EnctBase - Value of the EnctBase at the end of the previous job step.

- ■ EIIPBase - Value of the EIIPBase at the end of the previous job step.

- ■ EIFABase - Value of the EIFABase at the end of the previous job step.

DSSERV

Data Set Services

Syntax

DSSERV*xx* < reqtype parameters >

New Request Type Syntax Parameters

The following request types support a ddname parameter of *. This parameter lets you request a system generated ddname for a new allocation or the most recent system generated ddname for an existing allocation.

- ALCONCAT - Allocate and concatenate an existing data set to a ddname.

- ALLOCATE - Allocate an existing data set to a ddname.

- CONCAT - Concatenate a list of ddnames.

- DECONCAT - Deconcatenate a ddname.

- FREE - Free a ddname.

The system generated ddname is assigned to a command variable named:

&DSSERV_SYSGENDD

The following request type already returned the cataloged volser in a message upon completing the DSSERV LOCATE request.

- LOCATE - Locate the cataloged volser of a data set.

The cataloged volser is also assigned to a command variable named:

&DSSERV_VOLSER

LISTCONS

List consoles

Syntax

LISTCONS < options >

New Syntax Parameters

■ XSData | NOXSData - Controls whether cross system data collection is forced on or off. If neither keyword is supplied, the XSDATA profile setting is used. The use of any of these keywords does not alter the XSDATA profile setting.

■ XSEmcs | NOXSEmcs - Controls whether the EMCS console data returns from remote systems when in cross system data mode. This option applies only when the EMCS option is also in effect. When EMCS is in effect, EMCS consoles from the home system display regardless of the setting of this option. Unless XSHOME NO is in effect.

Default: NOXESMCS

New Information Section Data Field

■ Mode - The operation mode of console support.

Valid Values

– DIST - Distributed mode

– SHR - Shared mode

– TRAN - The mode is in transition.

PAGEDS

Displays information about the page data sets.

Syntax:

```
PAGEDS < options >
```

New Syntax Parameters:

- ADdline, NOADdline - Controls the display of the ADD line. The ADD line does not display when the LOCAL page data set slots are not available. For example, the data sets info row shows Total equal to Used.

  Default: ADDLINE

- Available, NOAVailable - Controls the display of the LOCAL AVAIL page data set slots. No LOCAL AVAIL rows display if all of the LOCAL data set slots are in use (the Datasets info row show Total equal to Used).

  Default: NOAVAILABLE

Information Section:

- Added an Information Section row and a new data row to display Storage-Class Memory (SCM) information.

  The values in the information section are displayed as storage or byte instead of slot counts.

  Old:

  ```
  Datasets     Total     60  In use    39
  Page I/O     Total 60041  Active     0
  Local Slots  Total 66.7m  In use    0%  VIO   0%
  ```

  New:

  ```
  PageIO     Total 59345  Active     0
  Datasets   Total    60  Used       39
  SCM        Size   256G  Used    59.2M   0.02%
  LOCAL      Size   254G  Used       0    0.00%
  NONVIO                  Used       0    0.00%
  VIO                     Used       0    0.00%
  ```

Data Fields:

The data row fields have been reorganized to display the usage in terms of storage or bytes instead of slot counts.

Old data row fields (snippet):

```
Dataset-Name             VIO Status Type    Used Slot-Ct
PAGE.VMVPP31.PLPA                   PLPA     81%   17999
PAGE.VMVPP31.COMMON                 COMMON  <1%  179999
```

New data row fields (snippet):

```
Type    Status   Size  Used    Pct% VIO Dataset-Name
PLPA    ACTIVE   70.3M 57.2M  81.43%      PAGE.VMVPP31.PLPA
```

```
COMMON ACTIVE   703M 308K   0.04%      PAGE.VMVPP31.COMMON
SCM    ACTIVE   256G 59.2M  0.02%      N/A
LOCAL  ACTIVE  6.88G    0   0.00% VIO PAGE.VMVP310.LOCAL0
```

New data fields:

■ Size - The total size of the page space in bytes.

■ Pct% - The percentage of the total size that is in use.

Changed Data Field:

■ Used - The used size of the page space in bytes. In prior releases, the Used value displayed the percentage used value.

Removed Data Field:

■ Slot-Ct - The total number of slots available.

TASK

Display task structure

New Data Field:

■ DDName - The DD name of the JOBLIB DCB for the TCB.

XMVS

Issue a command and view responses.

Information Section:

■ CmdCART - The supplied Command-and-respond-token when command was submitted to MVS.

New data fields:

■ Type - The type of response.

Valid Values:

– NONE

– CONTROL

– LABEL

– DATA

– END

– DATAEND

– PROMPT

■ Color - The color attribute of the response.

Valid Values:

– UNKWN

– BACKGR

– BLUE

– RED

– PINK

– GREEN

– TURQ

– YELLOW

– WHITE

■ Hilite - The extended highlighting attribute of the response.

Valid Values:

– UNKWN

- NONE

- BLINK

- REV

- USCORE

■ Ints - The intensity attribute of the response.

Valid Values:

- UNKN

- LOW

- HIGH

■ RspCART - The Command-And-Response-Token of the response. This field is highlighted if this CART does not match the CmdCART displayed in the info rows. This mismatch is only possible when the NOCART option was specified.

Data Collection Threshold Metrics Added

The following threshold metrics enhance data collection.

CECCP%

CEC CP busy percentage.

Resource: None

CECCPS

CEC physical CPs.

Resource: None

CECICF%

CEC ICF busy percentage.

Resource: None

CECICFS

CEC physical ICFs.

Resource: None

CECIFA%

CEC IFA busy percentage.

Resource: None

CECIFAS

CEC physical IFAs.

Resource: None

CECIFL%

CEC IFL busy percentage.

Resource: None

CECIFLS

CEC physical IFLs.

Resource: None

CECIIP%

CEC IIP busy percentage.

Resource: None

CECIIPS

CEC physical IIPs.

Resource: None

SCM%

Storage-Class Memory in-use percentage.

Resource: None

SCMINUSE

Storage-Class Memory in-use.

Resource: None

SCMSIZE

Storage-Class Memory size.

Resource: None

STGREALT

Real storage - Total.

Resource: None

STGREALU

Real storage - Unassigned.

Resource: None

JES2 and JES3

JES2 and JES3 have been enhanced.

JES Commands Added

The following JES commands have been added:

JESSET

This command provides a set of functions that can take actions against JES jobs. All of the functions are also available as line commands or alterable fields on JES displays.

Commands Enhanced

The following enhancements have been made to existing commands.

JLINES

JES NJE and RJE lines

The command LINES was renamed to JLINES. The line device name has changed from the format LNEnnnnn to LINEnnnnn.

This change could impact internal and external security definitions if LINE devices were secured.

The following synonyms have been defined:

- LINE
- LINES

Support has been added for JES3 1.13 and higher releases.

New JES2 Data Fields

- UserId - The security User ID for the job or output.
- Dest - The output destination for SYSOUT transmitters and receivers.
- SecLabel - The security label of the owner.
- Type - Type of line, NJE or RJE.
- LineLimit - The lower and upper line limits used for job selection.
- PageLimit - The lower and upper page limits used for output selection.
- WorkSelection - The work selection criteria used by the device.
- Disconnect - The disconnection status.
- AutoDisc - The automatic disconnection option.
- Trans - Shows if the line has the transparency feature.
- Compress - Shows if the line has compression capabilities.
- ApplId - The application name used for communication.
- Duplex - Shows if the line is half- or full-duplex.
- Intf - Shows whether the BSC line uses interface A or B.
- ContChr - Shows whether ASCII or EBCDIC control characters are used.
- Speed - The speed of the line.
- Code - Shows whether a BSC line uses code A or code B.
- Resist - The resistance of the line.
- Restart - Shows whether the line will automatically restart.
- RestIntv - The automatic restart interval.

- Connect - The automatic connection option.

- ConnIntv - The automatic connection interval.

- JRNum - The number of job receivers.

- JTNum - The number of job transmitters.

- SRNum - The number of SYSOUT receivers.

- STNum - The number of SYSOUT transmitters.

- RmtShr - Shows whether the RJE line is shared.

- TrcCmn - Shows whether the common trace is active.

- TrcExt - Shows whether the extended trace is active

- Socket - The socket name for TCP/IP lines.

- Secure - Shows whether the socket is secure or not.

- IPName - The IP host name for TCP/IP lines.

- IPAddr - The IP address for TCP/IP lines.

- PortName - The port name for TCP/IP lines.

- PortNum - The port number for TCP/IP lines.

- NETSRV - The NETSRV name for TCP/IP lines.

- Protocol - The protocol used for the line.

- DSecLabel - The device security label.

- System - The operating system name.

- JESName - The JES subsystem name.

- JESVers - The JES version.

Deleted JES2 data fields:

- Programmer

- Notify

- XmitTime

- XmitDate

Commands Renamed (JES)

The JES LINES command has been renamed to JLINES.

The new JLINES command replaces the former LINES command. Use the new JLINES command for displaying the status of communication lines for JES2 and JES3.

Option for CICS

The CA SYSVIEW Option for CICS has been enhanced.

CICS Data Collection Enhanced

CA SYSVIEW for CICS data collection has been enhanced.

CICS Logical Groups

Logical group definitions are no longer maintained for a specific CICS region. The definitions have been merged into the common set of logical groups that CA SYSVIEW maintains.

Definitions can be defined in the parmlib member GROUPS or using the online command GROUPS.

CICS Transaction Detail Records

The CICS detailed transaction collection has been enhanced to collect more error information for program and file requests.

This information is recorded in the CICS transaction detail records, subtype 27.

Program

The program segment was been expanded to include a count of errors that occurred during program requests.

Section: Programs

```
Program  SysID  Reqs  Average    Total Error
XPFTTUMB          1  0.000969 0.000969
GSVCMEI          14  0.000019 0.000270
PROG0001          1
PROG0002          1
PROG0003          1
XPFTTU02          1  0.000006 0.000006     1
```

Files

The file segment was been expanded to include a count of errors that occurred during file requests.

Section: Files

```
                   ----- Request Time ------
Filename Program  SysID  Reqs  Average  Maximum    Total Error
FILEA    DFH$ABRW         6 0.000017 0.000076 0.000103     1


                             ---Request Time---
Filename Program  SysID Function    Reqs  Average    Total Error
FILEA    DFH$ABRW        BROWSE        5 0.000005  0.000027     1
                         STARTBR       1 0.000076  0.000076
```

Commands Enhanced

The following enhancements have been made to existing commands.

CEPBS

CICS exit program blocks

New data fields:

■ Instance - The instance count. The instance count can increase when an exit name is enabled multiple times.

CGBLEXIT

CICS global user exits

New data fields:

■ EPL - The address of the EPL control block.

■ EPB - The address of the EPB control block.

CICSLIST

CICS regions

Updated data fields:

■ Status - The current monitoring status

   New possible value:

   ■ ACTIVEX - The CICS monitor is active.

      A different instance of the product is monitoring the CICS. This instance could be a different product subsystem or release.

   Possible Execution Stages:

   ■ Executing

   ■ Shutdown stage 1 or 2

New data fields:

■ GApplid - The CICS generic application ID.

CICSSET

Alter CICS resources

Syntax:

`CICSSET CHCKPOINT datatype`

■ datatype - Data definition type "GROUPS" has been removed.

Syntax:

`CICSSET EXPORT    datatype`

■ datatype - Data definition type "GROUPS" has been removed.

Syntax:

```
CICSSET  SAVE      datatype
```

- ■ datatype - Data definition type "GROUPS" has been removed.

CMODS

CICS data collection modules

New data fields:

- ■ Count - Module use count
- ■ Size - Module size

CPROGRAM

CICS program statistics

New data fields:

- ■ Count - Module use count
- ■ Size - Module size

CREVIEW

CICS transaction activity

New data fields:

- ■ Bundle - The library name for the bundle.
- ■ Application - The application name.
- ■ Operation - The operation name.
- ■ Platform - The platform name.
- ■ Major - The major version.
- ■ Minor - The minor version.
- ■ Micro - The micro version.
- ■ PPTE64 - The address of the PPTE64 control block.
- ■ IAE - The address of the IAE control block.

CSTATES

CICS State Definitions

New line command:

- ■ RESET -Resets the count field to zero.

CSYSDMON

CICS degradation wait analysis

New information section fields:

- ■ Clocktime - The amount of wall clock time the job has been executing.

- GSVITime - The elapsed time from the start of the data collector.

- CPUTime - The amount of consumed CPU time by the CICS address space from the start of the data collector.

New data fields:

- Enqueues - Enqueue count

- EnqDLAR - Enqueue count – Datalib

- EnqDSPR - Enqueue count - DataSpace

- EnqMSGR - Enqueue count - Messaging

- EnqSTGR - Enqueue count - Storage

- EnqVSPR - Enqueue count - Virtual storage

CWAITS

CICS degradation wait analysis

Changed data fields:

- Pct - The percentage of lifetime that was spent in the corresponding activity. This information is also presented in graph form. If the metric is CPU-related, the percentage is based on the total CPU time the transaction used.

Commands Removed (CICS)

The CGROUPS, CICS logical groups, command has been removed and replaced with the GROUPS command. The synonym CGROUPS has been created for GROUPS.

Logical group definitions are no longer maintained for a specific CICS region. The definitions have been merged into the common set of logical groups that CA SYSVIEW maintains.

Definitions can be defined in the parmlib member GROUPS or using the online command GROUPS.

Transaction Data Collection Threshold Metrics

The data collection threshold metrics have been enhanced to include the following new transaction variables:

CSFXCPU

SYSVIEW CSF exit interface CPU time

DFHGroup: None

MONXCPU

SYSVIEW monitor exit interface CPU time

DFHGroup: None

System Data Collection Threshold Metrics Enhanced

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

CDUMPSYS

CICS system dumps taken.

Resource: None

In prior releases, the metric contained the number of CICS system dumps requested.

CDUMPTRN

CICS transaction dumps taken.

Resource: None

In prior releases, the metric contained the number of CICS transaction dumps requested.

TEMPSTG

Temp Storage - TSMain in use HWM

Resource: None

In prior releases, the metric contained the current value or snapshot at the time of collection, not the HWM for the interval.

TEMPSTG%

Temp Storage - TSMain in use percent HWM

Resource: None

In prior releases, the metric contained the current value or snapshot at the time of collection, not the HWM for the interval.

TEMPSTGQ

Temp Storage - Queues in use HWM

Resource: None

In prior releases, the metric contained the current value or snapshot at the time of collection, not the HWM for the interval.

Configuration Options - Parmlib Member CICSOPTS

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

CEAPM-MRO

Default: Yes

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

CA Cross-Enterprise APM - CICS Transaction Trace integration provides performance information about CICS transactions. CA SYSVIEW provides the performance details for those transactions that execute in CICS regions.

The CICS transactions can run as a transaction within a single CICS region or as a more complex transaction running in several CICS MRO regions. This environment is sometimes referred to as a TOR to the AOR environment.

Specify whether to perform transaction correlation in an MRO environment.

The MRO environment includes the following requests:

■   The LINK requests to programs running in a different CICS region within the same z/OS system

■   Transaction START requests to initiate a transaction in the same CICS region

■   Transaction START requests to initiate a transaction in a different CICS region within the same z/OS system

Valid Values:

■   No - Do not perform transaction correlation for MRO transactions.

■   Yes - Perform transaction correlation for MRO transactions.

Related Options:

■   CEAPM-MRO-LINK

■   CEAPM-MRO-START

CEAPM-MRO-LINK

Default: Yes

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

CA Cross-Enterprise APM - CICS Transaction Trace integration provides performance information about CICS transactions. CA SYSVIEW provides the performance details for those transactions that execute in CICS regions.

The CICS transactions can run as a transaction within a single CICS region or as a more complex transaction running in several CICS MRO regions. This environment is sometimes referred to as a TOR to the AOR environment.

Specify whether to perform transaction correlation for program LINK requests.

Valid Values:

- No - Do not perform transaction correlation for program LINKs.

- Yes - Perform transaction correlation for program LINKs.

Related Options:

- CEAPM-MRO

- CEAPM-MRO-START

CEAPM-MRO-START

Default: Yes

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

CA Cross-Enterprise APM - CICS Transaction Trace integration provides performance information about CICS transactions. CA SYSVIEW provides the performance details for those transactions that execute in CICS regions.

The CICS transactions can run as a transaction within a single CICS region or as a more complex transaction running in several CICS MRO regions. This environment is sometimes referred to as a TOR to the AOR environment.

Specify whether to perform transaction correlation for transaction START requests.

Valid Values:

- No - Do not perform transaction correlation for transaction START requests.

- Yes - Perform transaction correlation for transaction START requests.

Related Options:

- CEAPM-MRO

- CEAPM-MRO-LINK

DynAllocUseMsgLevel0

This option controls whether the DYNALLOC requests set the S99MSGL0 flag in the S99RB.

Default: Yes

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

Valid Values are:

- Yes - The DYNALLOC S99MSGL0 option is set for all dynamic allocation requests. This value causes the dynamic allocation request to ignore the JCL MSGLEVEL= operand and to use MSGLEVEL=(,0) instead.

- No - The DYNALLOC S99MSGL0 option is not set for any dynamic allocation request. This value allows normal JCL MSGLEVEL= operand value to be used.

LOGGER-CONNECT-RETRY-COUNT

This option specifies the retry limit for connecting to the CICS logger.

Default: 20

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

The CICS data collector initialization process attempts to connect to a CICS logger that executes in the Main Services Address Space or Auxiliary Address Space. If the connect fails, multiple retry attempts can be made up to the retry limit count specified.

Valid Values:

0 - Specifies that no retries are attempted.

Minimum - 1

Maximum - 20

Related Options:

■   LOGGER-CONNECT-RETRY-INTERVAL

■   LOGGER-NAME

LOGGER-CONNECT-RETRY-INTERVAL

Specifies the retry interval for connecting to the CICS logger.

Default: 15

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

The CICS data collector initialization process attempts to connect to a CICS logger that executes in the Main Services Address Space or Auxiliary Address Space. If the connect fails, multiple retry attempts can be made at the specified interval in seconds.

Valid Values:

Minimum - 5

Maximum - 60

Related Options:

■   LOGGER-CONNECT-RETRY-INTERVAL

■   LOGGER-NAME

MEI-DEBUG

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.

The MEI-DEBUG option can be used to format the MEI parameter blocks to help the diagnosis of potential problems.

Default: No

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

The formatted/dumped storage is written as messages to the GSVCLOG ddname.

Sample formatted messages:

```
GSVC146I (Task) MEI Trace    9 TUMB     652 UserData: dataxyz
GSVC910I (Task) Address   00000000_44180C70   Length 00000160
GSVC911I (Task) Offset--   ------+0 ------+4 ------+8 ------+C
GSVC912I (Task) 00000000   00000009 00000000 00000000 00000000
GSVC912I (Task) 00000010   00000000 00000000 00000000 00000000
GSVC912I (Task) 00000020   8481A381 85938594 8595A395 81948540
```

Enable SYSVIEW Monitor Exit Interface (MEI) debugging.

Valid Values:

- No - Do not format debug data
- Yes - Format debug diagnostic data

Related Options:

MEI-LOGGING

MEI-LOGGING

The SYSVIEW for CICS Monitor Exit Interface (MEI) provides CICS programs or transactions an API into the SYSVIEW for CICS data collection process.

Information that is passed to the MEI is recorded in the detailed transaction record of the calling transaction.

The MEI-LOGGING option can be used to log MEI requests to help the diagnosis of potential problems.

Default: No

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

The log messages are written to the GSVCLOG ddname.

Example logging messages:

```
GSVC146I GSVCMEI Trace 9 TUMB 661 UserData: dataelementname
GSVC146I CICSMEI Trace 9 TUMB 661 UserData: ThisIsMyDataKey
GSVC146I CICSMEI Trace 9 TUMB 661 UserData: ThisIsMyCounter
GSVC146I CICSMEI Trace 9 TUMB 661 UserData: ThisIsMyCounter
GSVC146I CICSMEI Trace 9 TUMB 661 UserData: ThisIsMyDataKey2
GSVC146I CICSMEI Trace 9 TUMB 661 UserData: ThisIsMyDataKey3
GSVC146I CICSMEI Trace 6 TUMB 661 Event: EXECCICS Type: Event001
GSVC146I GSVCMEI Trace 6 TUMB 661 Event: GSVCMEI  Type: Event001
GSVC146I CICSMEI Trace 1 TUMB 661 Name: TestMEI  Type: SYSVIEW
GSVC146I GSVCMEI Trace 5 TUMB 661 FldCode:   6 Data: GSVCMEI
GSVC146I CICSMEI Trace 2 TUMB 661 Program: PROG0001
GSVC146I CICSMEI Trace 2 TUMB 661 Program: PROG0002
GSVC146I GSVCMEI Trace 2 TUMB 661 Program: PROG0003
GSVC146I GSVCMEI Trace 7 TUMB 661 Event: GSVCMEI  Type: Event001
GSVC146I CICSMEI Trace 7 TUMB 661 Event: EXECCICS Type: Event001
```

Valid Values:

- No - Do not log the MEI requests.

- Yes - Log the MEI requests.

Related Options:

MEI-DEBUG

MONITOR-DISPATCH-PRIORITY

Default: Yes

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

During the initialization, each CICS connects to a specific CICS logger task running in a Main Services address space or Auxiliary Services address space.

The CICS logger is responsible for the logging of all historical data for the CICS region.

The address space executing the CICS logger must execute with a dispatching priority that is higher than the CICS that is connecting to it. Multiple CICS regions can connect to a single CICS logger.

If the CICS region dispatching priority is higher than the CICS logger address space, the CICS regions can overload the CICS logger address space. If the CICS logger is overloaded, data can be lost or discarded.

The activation of dispatch priority monitor monitors or compares the dispatching priorities of the CICS region and connected SYSVIEW CICS logger address space.

If the dispatching priority of the CICS region is greater than or equal to the SYSVIEW CICS logger address space, error message GSVC065 is issued.

Valid Values:

■   Yes - Monitor dispatching priorities.

■   No - Do not monitor dispatching priorities. A message is issued at the initialization to document the priorities. Monitoring stops.

PERFORMANCE-DATA-EXIT-IC

Default: Yes

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

The CICS data collector can monitor and collect detailed information about requests and resources that a transaction used.

This option controls the collection of data made available using CICS global user exits related to the following CICS domain:

■   IC - Interval Control

The following related options are required:

■   PERFORMANCE-COLLECTION - Yes

■   PERFORMANCE-GLOBAL-EXIT-IC - Yes

Detailed performance information regarding the associated overhead of this option can be viewed using the online command: CGBLEXIT

Valid Values:

■   No - Do not collect data.

■   Yes - Collect data

Related Options:

■   PERFORMANCE-GLOBAL-EXIT-IC

PERFORMANCE-DATA-EXIT-XM

Default: Yes

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

The CICS data collector can monitor and collect detailed information about requests and resources a transaction used.

This option controls the collection of data made available using CICS global user exits related to the following CICS domain:

■   XM - Transaction Manager

The following related options are required:

■   PERFORMANCE-COLLECTION - Yes

■   PERFORMANCE-GLOBAL-EXIT-XM- Yes

Detailed performance information regarding the associated overhead of this option can be viewed using the online command: CGBLEXIT

Valid Values:

■   No - Do not collect data

■ Yes - Collect data

Related Options:

■ PERFORMANCE-GLOBAL-EXIT-XM

PERFORMANCE-GLOBAL-EXIT-IC

Default: Yes

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

The CICS data collector can monitor and collect detailed information about requests and resources a transaction used.

This option controls the enablement of CICS global user exits related to the following CICS domain. The exits must be enabled to collect the related data.

■ IC - Interval Control

Global user exits to be enabled:

```
Exitname  Description (when or when invoked)
--------  -------------------------------------------------------
XICREQ    At the beginning of the interval control program request.
```

Detailed performance information regarding the associated overhead of this option can be viewed using the online command: CGBLEXIT

Valid Values:

■ No - Do not enable the global user exits

■ Yes - Enable the global user exits

Related Options:

■ PERFORMANCE-DATA-EXIT-IC

PERFORMANCE-GLOBAL-EXIT-TS

The CICS data collector can monitor and collect detailed information about requests and resources a transaction used.

This option controls the enablement of CICS global user exits related to the following CICS domain. The exits must be enabled to collect the related data.

■ TS - Temporary Storage Domain

Default: Yes

Migration Information: The default value was changed from No to Yes.

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

Global user exits to be enabled:

■ XTSQRIN - Before the invocation of a TSQR function.

■ XTSQROUT - After the invocation of a TSQR function.

You can view the detailed performance information regarding the associated option overhead using the online command: CGBLEXIT

This option must be set to YES for the following System Data Collection metric to be collected:

■ TEMPSTG - Temp Storage - TSMain in use HWM

■ TEMPSTG% - Temp Storage - TSMain in use percent HWM

■ TEMPSTGQ - Temp Storage - Queues in use HWM

Valid Values:

■ No - Do not enable the global user exits

■ Yes - Enable the global user exits

Related Options:

■ PERFORMANCE-DATA-SEGLIMIT-TS

■ PERFORMANCE-DATA-EXIT-TS

PERFORMANCE-GLOBAL-EXIT-XM

Default: Yes

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

The CICS data collector can monitor and collect detailed information about requests and resources a transaction used.

This option controls the enablement of CICS global user exits related to the following CICS domain. The exits must be enabled to collect the related data.

■ XM - Transaction Manager

Global user exits to be enabled:

```
Exitname  Description (when or when invoked)
--------  ----------------------------------------------------
XXMATT    Invoked during transaction attach
```

Detailed performance information regarding the overhead that is associated with this option can be viewed using the online command: CGBLEXIT

Valid Values:

■ No - Do not enable the global user exits

■ Yes - Enable the global user exits

Related Options:

■ PERFORMANCE-DATA-EXIT-XM

CA DATACOM Option

The CA SYSVIEW CA DATACOM Option has been enhanced.

Commands Enhanced

The following enhancements have been made to existing commands.

DCAREAS

CA Datacom/DB directory areas

New Data Fields:

■ URIReus - Contains the specified value for the URI-REUS attribute.

Valid Values: YES and NO.

■ TVer - Contains the table version (generation level) of the table.

DCBUFP

CA Datacom/DB MUF buffer usage statistics.

New Syntax Keywords:

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

■ REGion - Display only the current target address space. If the command supports cross system data collection, this parameter forces cross system data collection to be off for this execution, but the current profile setting of XSDATA is maintained.

■ SYStem - Display data for all Datacom address spaces on the current system.

■ XSYStem, XSData - Display all Datacom address spaces for all systems. This forces cross system data collection to be set on for this execution.

The current profile setting of XSDATA is maintained.

■ NOXSYStem, NOXSData - This forces cross system data collection to be set off for this execution.

The current profile setting of XSDATA is maintained.

■ GROUP - Specifies that an argument is to follow that specifies the group name that contains the list of Datacom jobnames to be displayed. The list of available groups with type JOBNAME can be found on the GROUPS command.

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

DCDBASES

CA Datacom/DB directory databases

New Data Field Value:

■ Format - Added format value 3, which represents a database opened at CA Datacom/DB Version 15.0.

DCDIR

CA Datacom/DB directory information

New Information Section Field:

■ TVer - Contains the table version (generation level) of the table.

New data fields:

■ Version - The CXX directory version.

DCDSETS

CA Datacom/DB directory data sets

New Data Fields:

■ SecCyls - Contains the size reported the last time that the area was opened for update.

■ TVer - Contains the table version (generation level) of the table.

DCKEYS

CA Datacom directory keys

New Data Fields

■ KeyUuse - Contains the specified value for the KEY_USAGE attribute.

■ TVer - Contains the table version (generation level) of the table.

DCLOG

CA Datacom/DB MUF logging

New Information Section Field:

■ TVer - Contains the table version (generation level) of the table.

New Data Fields:

■ NumberSequence Block - Contains the assigned log track sequence number of the log record in the Log Area.

Renamed Data Fields:

Old Name	New Name
In-Use	InUse
Blks/Log	BlksLog
Record-Seq	SequenceNumber Rec

DCTABLES

CA Datacom directory TABLES

New Data Fields

■ SQLIntent - The status of the SQL for the table.

■ TVer - The table version (generation level) of the table.

Event Capture Option

The CA SYSVIEW Event Capture Option has been enhanced.

Event Capture Commands Added

The following commands have been added:

CAPDISP

An internal-only command that displays captured command data when you enter
the S<elect> line command on the CAPEVENT display.

CAPDISP provides capture navigation options and subcommands that help with the
navigation between capture events. For example, you can use previous and next
subcommands to navigate easily and display the same command in time sequence
from regularly scheduled capture events.

RMCFCONN

A new internal-only command that displays connections to Coupling Facility
structures when the S<elect> line command is entered on the RMCFSTRU DETAIL
display.

RMCFSTRU

A new command to display RMF historical information about allocated structures in
the Coupling Facilities.

Commands Enhanced

The following enhancements have been made to existing commands.

RMCAP

RMF CPC capacity information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMCDEV

RMF Cache device information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMCHAN

RMF channel path information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMDASD

RMF DASD device information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMJOBS

RMF job information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMMSU

RMF MSU information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMORPHAN

RMF orphaned storage information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMPROC

Provides a summary of the RMF CPC processor information for an LPAR.

New data fields

■ Pz - The polarization state of an online processor.

Valid Values:

– HZ - The horizontal polarization.

– VL - The vertical polarization with low entitlement.

– VM - The vertical polarization with medium entitlement.

– VH - The vertical polarization with high entitlement.

■ MinWgt - Minimum LPAR share.

■ IniWgt - Defined (initial) LPAR share.

■ PolWgt - Weight for the logical CPU when HiperDispatch mode is active.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMSTG

RMF summary storage information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

RMUSSP

RMF USS process information.

New subcommands:

NEXt - Alias for the existing FORward subcommand.

PREv - Alias for the existing BACkward subcommand.

IDMS Component

The IDMS component has been enhanced.

Commands Added to the IDMS Component

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

- IDMSSET - Alter IDMS resources

Command Enhanced

The following enhancements have been made to existing commands:

IDTASKS

Displays the CA IDMS active tasks.

New line command

- Cancel - Cancels the selected task.

Option for IMS

The CA SYSVIEW Option for IMS has been enhanced.

DC Monitor Record Processing

By default, the processing of DC monitoring records is disabled.

IMS Data Collection

New data collection event functions have been added. The data collection events are controlled and scheduled using the CA SYSVIEW Event Scheduler. The new events are dynamically added to existing schedules during the initialization of the IMS data collection task IMSDATA.

The new events get dynamically added to existing schedules during the initialization of the IMS data collection task IMSDATA.

The Event Scheduler definitions have been added to the parmlib member SCHDIMS.

Dependent Regions:

```
DEFINE IMS-REGIONS
       GROUP       IMSDATA
       DESC        'IMS data collection - Dependent Regions '
       TYPE        RECUR
       ALLDAYS
       DATEBEGIN  *          DATEEND *
       TIMEBEGIN  MIDNIGHT   TIMEEND *
       EVERY       1MINUTE
       LIMIT       NOLIMIT
       FUNCTION    IMSDATA-REGIONS
     PARMS        *
       ENABLED
ENDDEFINE
```

Commands Enhanced

The following enhancements have been made to existing commands.

IMSDESS

Displays the IMS-dependent region external subsystem connections.

New Line Commands

■ DB2Tact - Invokes the DBTHACT command for DB2 connections.

■ MQTact - Invokes the MQUSER display for MQ connections.

IMSLOGRS

Displays the IMS loggers.

New Data Fields

■ CPICLogW - Specifies if CPI-C region records are written to the region record log stream. See the IMSLOGR PARMLIB option LOG-IMSREGN-CPI-RECORDS.

■ CPICRecs - The number of CPI-C region records written. The IMSRSLOG command displays the region record log.

IMSRACT

Displays IMS-dependent region activity detail.

New Data Fields

■ RBA - Shows the relative byte address of the DB segment. This field applies only to a Full Function database.

IMSREGNS

Displays IMS-dependent regions.

New Syntax Parameters

■ ROIntvl - The current interval, in minutes, used to calculate the Region Occupancy ratio (RO%).

New Information Section Field

■ ROInterval - The current interval, in minutes, used to calculate the Region Occupancy ratio (RO%).

New Line Commands

■ ESS - Issues the IMSDESS command using the IMS region name as the selection criteria.

■ Graph - Invokes the GRAPH command for the Region Occupancy Ratio of the selected region. The variable or metric name is IMRGOCC%.

■ Plot - Invokes the PLOT command for the Region Occupancy Ratio of the selected region. The variable or metric name is IMRGOCC%.

■ Task - Issues the TASKS command for the selected region.

■ TM - Issues the TASKMON command for the selected region.

IMSTLOG

IMS transaction log

New Data Fields:

■ CCode - Specifies the transaction abend code.

■ Userid - Identifies the person who issued the transaction.

RPT25534

SMF record report

New Data Field

■ Condition Code - Specifies the transaction abend code.

Data Collection Metrics Added

The data collection has been enhanced to include the following metrics:

IMRGBUSY

Region busy time (interval)

Resource: imsregn

IMRGOCC%

Region occupancy percent

Resource: imsregn

Data Collection Monitoring Metrics Added

The data collection monitoring metrics have been enhanced to include the following data collection:

IMSREGN

Monitored IMS-dependent regions.

Resource: imsregn

Configuration Options - Parmlib Member IMSLOGR

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

ACTIVATE-DC-MONITOR

Specifies if the IMSLOGR is to activate the DC Monitor intercept. The DC Monitor intercept traces detailed transaction activity and adds the information to the IMS transaction SMF records created by CA SYSVIEW.

The following options provide more information regarding controlling the level of monitored detail:

- PROCESS-DCM-TYPE
- PROCESS-DCBMP-TYPE
- PROCESS-DCDBT-TYPE

Default = No

Note: Activating the DC Monitor can lead to increased CPU time in IMS transactions.

LOG-PLOT-IMS-REGIONS

Logs hourly IMS region data records to the PLOT log stream.

Default = NO

PROCESS-DCBMP-TYPE

Specifies the event code of the IMS events you would like to monitor for IMS BMP regions. For more information and a list of event codes, see the description of the PROCESS-DCM-TYPE option.

Default = NONE

Note: Monitoring of some event types can lead to increased CPU time in IMS BMPs.

Syntax:

```
PROCESS-DCBMP-TYPE   x4E:xcc:SET

PROCESS-DCBMP-TYPE   x4E:xcc:RESET
```

cc

Specifies the event code

SET

Indicates to monitor the event code.

RESET

Indicates not to monitor the event code.

PROCESS-DCDBT-TYPE

Specifies the event code of the IMS events you would like to monitor for CICS DBT IMS regions.

For more information and a list of event codes, see the description of the PROCESS-DCM-TYPE option.

Default = NONE

Note: Monitoring of some event types can lead to increased CPU time in IMS DBT regions.

Syntax

```
PROCESS-DCDBT-TYPE   x4E:xcc:SET
```

```
PROCESS-DCDBT-TYPE   x4E:xcc:RESET
```

cc

> Specifies the event code.

SET

> Indicates to monitor the event code.

RESET

> Indicates not to monitor the event code.

PROCESS-DCM-TYPE

> Specifies the event code of the IMS events you would like to monitor for message driven IMS regions. Event monitoring provides detailed information such as event counts and elapsed event times to be included in the IMS Transaction and Region Summary records.
>
> The default values enable the calculation and display of the Region Occupancy Ratio on the IMSREGNS display.
>
> **Default** = x14,x15,x38,x39
>
> **Note:** Monitoring of some event types can lead to increased CPU time in IMS transactions and IMS message processing regions.
>
> Syntax:
>
> ```
> PROCESS-DCM-TYPE   x4E:xcc:SET
> ```
>
> ```
> PROCESS-DCM-TYPE   x4E:xcc:RESET
> ```
>
> **cc**
>
> > Specifies the event code.
>
> **SET**
>
> > Indicates to monitor the event code.
>
> **RESET**
>
> > Indicates not to monitor the event code.

```
Codes       Event Monitored
---------   ----------------
x14, x15  - Scheduler IWAITs
x20, x21  - Storage IWAITs
x22, x23  - OSAM I/O IWAITs
x24, x25  - VSAM I/O IWAITs
x28, x29  - VSAM I/O IWAITs
x38, x39  - FASTPATH message IWAITs
x43       - FASTPATH buffer activity
x47       - BALG dequeues
x48, x49  - External Subsystem calls ( DB2 and WMQ )
x56       - MSDB write IWAITs
x57       - DEDB read IWAITs
x58, x59  - FASTPATH activity for DB and msg calls
x62, x63  - IMS DB DL/I calls
x64, x65  - IMS MSG DL/I calls
x66, x67  - PI Enqueue IWAITs
x68, x69  - DEDB Lock IWAITs
x70, x71  - ICAL DL/I calls
x72       - DEDB OTHREAD IWAITs
x78, x79  - SYNC Callout
x84, x85  - VSO Area Castout
x88, x89  - VSO Preload
```

To monitor multiple event codes, specify multiple PROCESS-DCM-TYPE options. One option for each code.

For example, to monitor only IMS DB DL/I calls:

1. Turn off all events (to clear the default values).

2. Specify the desired event codes:

    ```
    PROCESS-DCM-TYPE   x4E:*:RESET
    PROCESS-DCM-TYPE   x4E:x62:SET
    PROCESS-DCM-TYPE   x4E:x63:SET
    ```

Configuration Options Removed

The following configuration options have been deleted:

- SKIP-BMP-DLI-SLOG-RECORDS

  Replaced with:

  - PROCESS-DCBMP-TYPE x4E:x62:RESET

  - PROCESS-DCBMP-TYPE x4E:x63:RESET

- SKIP-BMP-SLOG-RECORDS

  Replaced with:

  - PROCESS-DCBMP-TYPE x4E:*:RESET

  - PROCESS-DCBMP-TYPE x4E:*:RESET

- SKIP-DBT-DLI-SLOG-RECORDS

- SKIP-DBT-SLOG-RECORDS

- SKIP-DLI-SLOG-RECORDS

IMS Monitoring Definitions - Parmlib Member: IMSMON

New data collection event functions have been added. The data collection events are controlled and scheduled using the CA SYSVIEW Event Scheduler. Some of the data collection types require that you create a monitoring definition specifying the resources to monitor.

■   IMSREGN - IMS-dependent regions.

Resource: IMS-dependent region name

–   Generic resource names are allowed.

–   Logical groups are supported.

–   Logical group type: IMSREGN

Resource names are specified using the following format:

`type.jobname`

Dependent Region Types:

–   BMP - Batch region

–   BMPE - Batch region with ESS connection

–   BMPH - Batch HSSP region

–   BMPM - Batch message driven region

–   DBT - CICS DBCTL region

–   FPM - FASTPATH message region

–   FPU - FASTPATH utility region

–   JMP - JAVA message region

–   JMPE - JAVA message region with ESS connection

–   JMPI - JAVA CPIC message region

–   JBP - JAVA batch region

–   JBPE - JAVA batch region with ESS connection

–   JBPH - JAVA Batch HSSP region

–   JBPM - JAVA message driven batch region

–   TP - Message processing region

–   TPE - Message processing with ESS connection

–   TPI - CPIC Message processing region

IMSSET Command

The new IMSSET command provides a set of functions that can take action against IMS objects and resources.

Syntax

```
IMSSet  objectparms <targetparms> <options>
```

Option for WebSphere MQ

The CA SYSVIEW Option for WebSphere MQ has been enhanced.

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 }  |--- synonyms
          { ARGument   resource } -+

          { QMGR       qmgr     }
          { GROUP      group    }
          { SUBGroup   subgroup }
          { SUMMGRP    summgrp  }
}
```

Changed syntax parameters

■ qmgr -Limit the display to only those entries with a corresponding value in the QMGR field. The qmgr value can be specified as a logical group name ">group".

The associated logical group type is MQQMGR.

MQALTER

WebSphere MQ alter object

New data fields (authinfo objects):

■   Authtype - Authentication type (CRLLDAP or OCSP).

■   OcspUrl - The URL associated with the object TYPE=OCSP.

MQAUTHIN

WebSphere MQ authentication information objects

New data fields:

■   OcspUrl - The URL associated with the object TYPE=OCSP.

MQBUFFER

Displays the MQ buffer statistics.

New Data Fields

■ BuffCnt - The total number of buffers that are allocated for the pool.

This field displays the same data as the Buffers field, but in addition shows the status for the MQ threshold variable QPSTNBUF. The Buffers field continues to be an input capable field that can be used to alter the size of the pool.

■ Loc - The location of the buffer pool.

Possible values:

– ABOVE - The buffer pool is located in 64-bit storage above the bar.

– BELOW - The buffer pool is located in 31-bit storage below the bar.

– Blank - The release only supports below the bar storage, so the pool is located in 31-bit storage.

The field is enabled for input when:

– The queue manager is at 8.0.0 or above.

– The queue manager is on the local system.

– OPMODE(NEWFUNC,800) or a release higher than 800 in compatibility mode.

– At least one page set is assigned to the pool.

■ RowStat - The overall or highest conditional status field that is displayed on the row.

Changed Data Fields:

■ Buffers - The field is enabled for input only when:

– The queue manager is on the local system.

– At least one page set is assigned to the pool.

For the buffers located below the bar, the value is a number from 100 through 500000.

For the buffers located above the bar, the value is a number from 100 through 999999999.

■ CSteal - New status highlighting based on the MQBPCSTL MQ threshold variable.

■ DasdR - New status highlighting based on the MQBPPIOR MQ threshold variable.

■ DasdW - New status highlighting based on the MQBPPAGW MQ threshold variable.

- DWTSt - New status highlighting based on the MQBPAPWO MQ threshold variable.

- Free - New status highlighting based on the MQBPFREE MQ threshold variable.

- GetNP - New status highlighting based on the MQBPNEW MQ threshold variable.

- GetP - New status highlighting based on the MQBPGETS MQ threshold variable.

- NoBuf - New status highlighting based on the MQBPNOB MQ threshold variable.

- Pct% - New status highlighting based on the MQBPUSE% MQ threshold variable.

- SetW - New status highlighting based on the MQBPPAGU MQ threshold variable.

- Steals - New status highlighting based on the MQBPSTL MQ threshold variable.

- SynW - New status highlighting based on the MQBPSPWO MQ threshold variable.

- SynWP - New status highlighting based on the MQBPSWPS MQ threshold variable.

- TotPW - New status highlighting based on the MQBPPIOW MQ threshold variable.

- Used - New status highlighting based on the MQBPUSED MQ threshold variable.

MQCHAN

WebSphere MQ channel definitions.

New Data Field:

- UseDLQ - Use the dead-letter queue.

MQCHCSND

WebSphere MQ cluster sender channels.

New Data Field

- UseDLQ - Use the dead-letter queue.

MQCHCRCV

WebSphere MQ cluster receiver channels.

New Data Field

- UseDLQ - Use the dead-letter queue.

MQCHRCVR

WebSphere MQ receiver channels.

New Data Field

■   UseDLQ - Use the dead-letter queue.

MQCHRQSR

WebSphere MQ requester channels.

New Data Field

■   UseDLQ - Use the dead-letter queue.

MQCHSNDR

WebSphere MQ sender channels.

New Data Field

■   UseDLQ - Use the dead-letter queue.

MQCHSRVR

WebSphere MQ server channels.

New Data Field

■   UseDLQ - Use the dead-letter queue.

MQDEFINE

WebSphere MQ define object.

New Data Fields (authinfo objects):

■   Authtype - Authentication type (CRLLDAP or OCSP).

■   OcspUrl - The URL associated with the object TYPE=OCSP.

MQLGMGR

WebSphere MQ Log manager.

New Information Field:

■   RBA-8 - 8-byte RBA indicator.

Altered Fields:

■   All RBA fields were expanded to support 8-byte RBA values.

MQMGR

WebSphere MQ queue manager.

Supported Attributes

■   Support for WebSphere MQ 7.1.0 and 8.0.0 attributes.

MQQLOCAL

WebSphere MQ local queues.

New Data Field

■   ClchName - The cluster channel name (WebSphere MQ 8.0 and above). Valid only for a transmission queue that is shareable, and indexed by correlation ID.

MQQSTAT

Displays the WebSphere MQ queue status handles.

New Data Fields

■ ApplDesc - The description of the application that is connected to the queue manager.

■ Channel - The name of the channel that owns the handle.

■ Conname - The connection name that is associated with the channel that owns the handle.

MQSSET

Provides a set of functions that can act on WebSphere MQ objects.

New Object Support

■ AUTHINFO - Process requests for authentication information objects.

Functions:

  ■ Alter

  ■ Define

  ■ Delete

■ BUFFPOOL - Process requests for buffer pool objects.

Functions:

  ■ Alter

  ■ Delete

■ CFSTRUCT - Process requests for Coupling Facility Structure objects.

Functions:

  – Alter

  – Define

  – Delete

  – Recover

  – Backup

■ LOG - Process log requests.

Functions:

  – Archive

  – Cancel

■ PROCESS - Service requests for process objects.

Functions:

- Alter

- Define

- Delete

■ STGCLASS - Process requests for storage class objects.

Functions:

- Alter

- Define

- Delete

■ ZPARM - Process requests for archive, log, and system parameters.

Functions:

- Set

Data Collection Threshold Metrics Added

The following new data collection threshold metrics enhance data collection.

MQL1ARCH

Logs to be archived in copy ring 1.

Resource: None

MQL1CUR%

Active log percent full in copy ring 1.

Resource: None

MQL1STOP

Logs stopped in copy ring 1.

Resource: None

MQL1TOT%

Log copy ring 1 percent full.

Resource: None

MQL2ARCH

Logs to be archived in copy ring 2.

Resource: None

MQL2CUR%

Active log percent full in copy ring 2.

Resource: None

MQL2STOP

Logs stopped in copy ring 2.

Resource: None

MQL2TOT%

Log copy ring 2 percent full.

Resource: None

Data Collection State Metrics Added (MQ)

The Option for WebSphere MQ has been enhanced to include new state data collection metrics.

MQLMOFFL

MQ log manager offload status.

Resource: None

MQLMSTAT

MQ log manager status.

Resource: None

Configuration Options - Parmlib Member MQSDATA

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

LOG-REQUESTS-TO-SMF

Specifies if historical data for monitored queue requests gets logged to SMF.

Default: No

The default value has been changed from YES to NO.

Related Options

■ MONITOR-MQS-REQUESTS

■ SMF-RECORD-COMPRESSION

■ SMF-RECORD-TYPE

Configuration Options - Parmlib Member MQSERIES

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

BROWSE-MSG-COUNT-MAXIMUM

Specify the maximum number of messages that are read when browsing messages using commands like MQBROWSE, MQDEAD, MQEVENT, and MQCHAUTH.

Default = 32768

BROWSE-MSG-LENGTH-MAXIMUM

Specify the maximum message length that is read when browsing messages using commands like MQBROWSE, MQDEAD, MQEVENT, and MQCHAUTH. Messages over this length are truncated.

Default = 2048

CHLAUTH-MSG-COUNT

Specify the maximum number of messages that are read when browsing messages using the MQCHAUTH command. This parameter has an upper limit set by the BROWSE-MSG-COUNT-MAXIMUM parameter.

Default = 32768

CHLAUTH-MSG-LENGTH

Specify the maximum message length that is read when browsing messages using the MQCHAUTH command. Messages over this length are truncated. This parameter has an upper limit set by the BROWSE-MSG-LENGTH-MAXIMUM parameter.

Default = 12288

MQBROWSE-MSG-COUNT

Specify the maximum number of messages that are read when browsing messages using the MQBROWSE command. This parameter has an upper limit set by the BROWSE-MSG-COUNT-MAXIMUM parameter.

Default = 32768

MQBROWSE-MSG-LENGTH

Specify the maximum message length that is read when browsing messages using the MQBROWSE command. Messages over this length are truncated. This parameter has an upper limit set by the BROWSE-MSG-LENGTH-MAXIMUM parameter.

Default = 532

MQDEAD-MSG-COUNT

Specify the maximum number of messages that are read when browsing messages using the MQDEAD command. This parameter has an upper limit set by the BROWSE-MSG-COUNT-MAXIMUM parameter.

Default = 32768

MQDEAD-MSG-LENGTH

Specify the maximum message length that is read when browsing messages using the MQDEAD command. Messages over this length are truncated. This parameter has an upper limit set by the BROWSE-MSG-LENGTH-MAXIMUM parameter.

Default = 256

MQEVENT-MSG-COUNT

Specify the maximum number of messages that are read when browsing messages using the MQEVENT command. This parameter has an upper limit set by the BROWSE-MSG-COUNT-MAXIMUM parameter.

Default = 8192

MQEVENT-MSG-LENGTH

Specify the maximum message length that is read when browsing messages using the MQEVENT command. Messages over this length are truncated. This parameter has an upper limit set by the BROWSE-MSG-LENGTH-MAXIMUM parameter.

Default = 3172

Cross System Support Enhanced

The following enhancements have been made:

XSUSER Command

Displays the cross system users.

New Data Field:

- PTktAppl - The pass ticket application ID used to log in to the session when a pass ticket was supplied.

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.

Audit Events Added

The following audit events have been added:

- IDMS_TASK_CANCEL

  Logs an audit event each time a request is made to cancel an IDMS task.

- SET_SCHENV_RESOURCE

  Logs an audit event each time a request is made to set the scheduling environment state for a defined resource in the WorkLoad Manager.

  The following actions are recorded:

  - Off - Sets the resource to the state of OFF.

  - On - Sets the resource to the state of ON.

  - Reset - Sets the resource to the state of RESET.

Commands Enhanced

The following enhancements have been made to existing commands.

AUDITLOG

Audit event log.

New Subcommand Syntax

Syntax: OPTIONS <options>

Parameter and Description

Period seconds - Specifies the time period for which to display records. The default is 0 (unlimited).

Example Values:

60	60 seconds
120Sec	120 seconds
5MINutes	5 minutes
1Hours	1 hour
1Days	1 day
1MONths	1 month
1Years	1 year
hh:mm:ss	hours:minutes:seconds

Configuration Options Member AUDIT

The configuration options parmlib member AUDIT specifies whether to log the audit records to SMF.

Option: LOG-AUDIT-SMF

Default: No

The default value has been changed from YES to NO.

Related Options:

- SMF-COMPRESSION
- SMF-RECORD-TYPE

Graphical User Interface (GUI)

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 Renamed (GUI)

JLINES was LINES and now has a JES2 and JES3 version.

The GMI object names are SY163001 and SY163002 respectively.

Objects Removed (GMI)

The CGROUPS, CICS transaction groups (SY602200), command has been removed from the product.

The GROUPS command now handles the CICS groups.

Objects Enhanced (GMI)

The following objects have been enhanced:

GROUPS

New Object Action:

- RELOAD - load definitions

Object Tree Enhancements

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

CA SYSVIEW\CICS\Administration

The CGROUPS object has been replaced with the GROUPS object in this part of the object tree.

CA SYSVIEW\JES\Output Management and CA SYSVIEW\JES\Device Management

The LINES command was renamed to JLINES and a JES2 and JES3 version were placed under the JES2 and JES3 subfolders respectively.

REXX Environment

The CA SYSVIEW REXX function has been enhanced.

REXX Functions Added

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

- ATTN - Implements the ATTN key (attention interrupt) processing.

- CONFIRM - Prompt for a confirmation.

- FUNCCMD - Invokes the selected CA SYSVIEW function commands.

- GROUPS - Manages logical groups and their contents.

- OSCMDRSP - Issues an operating system command and return the command responses in a stem variable.

- PUTSCRN - Displays an output-only screen with a message.

- SAFAUTH - Performs the SAF authorization checking on a SAF class, entity, and required access level.

- RESCHECK - Performs the resource security authorization checking.

- SORT - Takes the records from the stack, sorts them as requested, and returns them to the stack.

- TESTMC - Tests for the presence of mask characters (variable length or fixed length) within a supplied string.

- WAIT - Waits for a time interval.

- XBUFR - Provides CA SYSVIEW data buffering services to a REXX EXEC.

- XLATEMC - Translates the default system mask characters (variable length and fixed length) to the mask characters defined in the profile of the current user.

Security

CA SYSVIEW Security has been enhanced.

Security Resources Added

The following security resource has been added.

XSDATA

Controls access to the cross-system command data.

Obsolete Security Resources

The following resource has been removed.

CICSGRPS

Control access to define and alter CICS group definitions. Any CICSGRPS resource definitions in the security file are converted to GROUPS resource definitions as part of security conversion (INST0050 job).

If you are using external security for resource validation, any SAF calls for SV.RESN.*.CICSGRPS.* entities become calls for SV.RESN.*.GROUPS.*.

Security Command Groups Added

The following security command group was added.

GSVIDMSA - Contains IDMS commands that have the ALTER attribute.

Commands Enhanced

The following enhancements have been made to the SECURITY command.

SECURITY

New Information Field:

■ Cache - Shows the caching status of the security data.

Valid Values:

Y - The security data set is cached.

N - The security data set is not cached.

New Subcommand:

■ DELCache - Used to delete the cache manually.

The security data set is now being cached in memory.

If you are sharing the same security file across multiple systems and make an update to security, the cache will need to be flushed using the DELCache subcommand on all systems sharing the security file. The local system where the update was made gets flushed automatically.

Security Configuration Options Added

The following security configuration option has been added.

Security-Validation

The new permitted value of USERDEF allows a user-defined field in the external security product to be used to set the internal security group.

For more details on setting up security validation, see SAMPLIB members:

■ ACF2 - GSVUDEFA

■ RACF - GSVUDEFR

■ TopSecret - GSVUDEFT

Security Parmlib Member OPTIONS

The parameter library member OPTIONS has been enhanced to include new security options.

Option: RACFConnGrpPfx

Specifies the prefix name for RACF Connect Groups to be searched for the user-defined field name that SAFUserGroupField specified.

Default: Searches all RACF Connect Groups after checking for the user-defined field in the USER profile.

Note: This option is only used when Security-Validation is set to USERDEF in the System Configuration parmlib member and RACF is the external security manager.

Option: SAFUserGroupField

Specifies the name of the user-defined field that contains the internal security group name of the user.

This option is only used when Security-Validation is set to a value of USERDEF in the System Configuration parmlib member.

The user-defined field must be defined in the external security manager.

Option: SAFUserGroupSegment

Specifies the segment name that is used when querying SAF for the user-defined field name containing the internal security group name of the user.

This option is only used when Security-Validation is set to a value of USERDEF in the System Configuration parmlib member.

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 for building 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:

ADDTOGRP

   Adds a list to the logical group.

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.

PLOTJOBS

Plot metric for multiple jobs.

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.