

CICS Transaction Server for z/OS



# CICSplex SM Monitor Views Reference

*Version 3 Release 1*



CICS Transaction Server for z/OS



# CICSplex SM Monitor Views Reference

*Version 3 Release 1*

**Note!**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page 139.

**Third edition (July 2010)**

This edition applies to Version 3 Release 1 of CICS Transaction Server for z/OS, program number 5655-M15, and to all subsequent versions, releases, and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of the product.

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## Preface

This book provides usage information for the IBM® CICSplex® SM (CICSplex SM) element of CICS® Transaction Server for z/OS®. It describes the CICSplex SM views that can be used in an MVS/Enterprise Systems Architecture SP (MVS/ESA) environment to monitor and control multiple CICS systems.

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## Who this book is for

This book addresses the needs of:

- CICS operators responsible for the operation of CICS systems at an enterprise
- System programmers responsible for the monitoring and control of those CICS systems

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## What you need to know

Before reading this book, you should have read the *CICSplex SM User Interface Guide* and you should be familiar with the CICSplex SM interface.

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## Notes on terminology

In the text of this book, the term **CICSplex SM** (spelled with an uppercase letter *P*) means the IBM CICSplex System Manager element of CICS Transaction Server for z/OS, Version 3 Release 1. The term **CICSplex** (spelled with a lowercase letter *p*) means the largest set of CICS systems to be managed by CICSplex SM as a single entity.

Other terms used in this book are:

**CICS** The CICS element of CICS TS for z/OS.

**MVS™** The operating system which is a base element of z/OS.

The phrase *issue the command* is used in this book to mean that the command may either be typed in the COMMAND field of an Information Display panel or invoked by pressing the PF key to which it is assigned. When the location of the cursor affects command processing, this phrase means that you can do one of the following:

- Type the command in the COMMAND field, place the cursor on the appropriate field, and press Enter.
- Move the cursor to the appropriate field and press the PF key to which the command is assigned.

For an explanation of the CICSplex SM terms used in this book, please refer to the Glossary.

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## Syntax notation and conventions used in this book

The syntax descriptions of the CICSplex SM commands use the following symbols:

- Braces { } enclose two or more alternatives from which one must be chosen.
- Square brackets [ ] enclose one or more optional alternatives.
- The OR symbol | separates alternatives.

The following conventions also apply to CICSplex SM syntax descriptions:

- Commands and keyword parameters are shown in uppercase characters. If a command or parameter may be abbreviated, the minimum permitted abbreviation is in uppercase characters; the remainder is shown in lowercase characters and may be omitted.
- Variable parameters are shown in lowercase characters. You must replace them with your own information.
- Parameters that are not enclosed by braces { } or brackets [ ] are required.
- A default parameter value is shown like this: KEYWORD. It is the value that is assumed if you do not select one of the optional values.
- Punctuation symbols, uppercase characters, and special characters must be coded exactly as shown.

**Note:** A semicolon ; is shown as the command delimiter in examples using multiple commands. For information about using and changing the command delimiter, see the *CICSplex SM User Interface Guide*.

- The ellipsis ... means that the immediately preceding parameter can be included one or more times.

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## View descriptions

Each view description includes a brief description of the information presented, information about the availability of the view for supported CICS releases, detailed instructions on accessing the view, and lists of any action commands, overwrite fields, and hyperlink fields that are available. Each section of a view description is clearly identified by appropriate headers. Action commands, overwrite fields, and hyperlink fields are presented in a tabular format. If there are no action commands, overwrite fields, or hyperlink fields for a view, this is indicated by the word "None."

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## CICS system connectivity

This release of CICSplex SM can be used to control CICS systems that are directly connected to it.

For this release of CICSplex SM, the connectable CICS systems are:

- CICS Transaction Server for z/OS 3.1
- CICS Transaction Server for z/OS 2.3
- CICS Transaction Server for z/OS 2.2
- CICS Transaction Server for OS/390® 1.3

You can use this release of CICSplex SM to control systems running supported releases of CICS that are connected to, and managed by, your previous release of CICSplex SM. However, if you have any directly-connectable release levels of CICS, as listed above, that are connected to a previous release of CICSplex SM, you are strongly recommended to migrate them to the current release of CICSplex SM, to take full advantage of the enhanced management services. See the *CICS Transaction Server for z/OS Migration from CICS TS Version 2.3* for information on how to do this.

Table 1 on page ix shows which supported CICS systems can be directly connected to which releases of CICSplex SM.

Table 1. Directly-connectable CICS systems by CICSplex SM release

| CICS system      | CICSplex SM component of CICS TS 3.1 | CICSplex SM component of CICS TS 2.3 | CICSplex SM component of CICS TS 2.2 | CICSplex SM component of CICS TS 1.3 |
|------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| CICS TS 3.1      | Yes                                  | No                                   | No                                   | No                                   |
| CICS TS 2.3      | Yes                                  | Yes                                  | No                                   | No                                   |
| CICS TS 2.2      | Yes                                  | Yes                                  | Yes                                  | No                                   |
| CICS TS 1.3      | Yes                                  | Yes                                  | Yes                                  | Yes                                  |
| TXSeries 4.3.0.4 | No                                   | Yes                                  | Yes                                  | No                                   |
| TXSeries 5.0     | No                                   | Yes                                  | Yes                                  | No                                   |



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## Summary of changes

This book is based on the CICSplex SM for CICS Transaction Server for z/OS, Version 2 Release 3 edition.

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### Changes for CICS Transaction Server for z/OS Version 3 Release 1

There are no significant changes to this edition.

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### Changes for CICS Transaction Server for z/OS, Version 2 Release 3

There are no significant changes to this edition.

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### Changes for CICS Transaction Server for z/OS, Version 2 Release 2

There has been a change in CICSplex SM field naming conventions in this release. Data set name fields such as DSNAME, file name fields such as LOCFILE and REMFILE, and transient data queue names such as EXTRATDQ and INTRATDQ are now case-sensitive. When entering data set and file names into the CICSplex SM interfaces (EUI, API and WUI), ensure that you enter the data in the correct case. In previous releases of CICSplex SM, the data set names and file names are automatically converted to upper case.

There are no other significant changes to this book for CICS Transaction Server for z/OS, Version 2 Release 2.

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### Changes for CICS Transaction Server for z/OS, Version 2 Release 1

There are no changes to this book for CICS Transaction Server for z/OS, Version 2 Release 1.

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### Changes for CICS Transaction Server for OS/390, Version 1 Release 3

The following additions and changes made to the functions of the CICSplex SM element of CICS Transaction Server for OS/390, Version 1 Release 3 affect the contents of this book.

- To support CICS-maintained data tables, there are two new views, MCMDT2 and MCMDT3
- The MLOCTRA2 and MLOCTRA3 views have been redesigned, and there is a new view, MLOCTRA4.



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## Chapter 1. Introduction

This book describes those CICSplex SM MVS/TSO ISPF end user interface (EUI) view commands that support day-to-day operation and management of the CICS resources in an enterprise. It is intended for CICS operators who are responsible for running CICS-supplied transactions, such as the CICS Master Terminal Transaction (CEMT), to manage CICS resources.

The CICSplex SM views mirror the functionality currently provided for CICS systems. In other words, operators can work in essentially the same way as they do now without any change in their basic approach to daily system activities. The greatest benefit of the CICSplex SM views, however, is that they can be used to control the operation of multiple CICS systems and their resources from a single session, as if they were a single CICS system.

The view commands consist of a set of *operations views* used to control CICS resources, a largely matching set of *monitor views* used to monitor resources, and sets of *definition views* used to manage CICSplex SM definitions while they are active in a CICSplex. The monitor view commands are described in this book. The operations view commands are described in *CICSplex SM Operations Views Reference*; the CICSplex SM definitions are described in the relevant CICSplex SM book: *CICSplex SM Managing Workloads*, *CICSplex SM Managing Resource Usage*, and *CICSplex SM Managing Business Applications*.

The view commands used to define the CMAS configuration and topology of a CICSplex SM environment are described in *CICSplex SM Administration* and *CICSplex SM Administration*. Details on using the CICSplex SM ISPF end-user interface are provided in the *CICSplex SM User Interface Guide*.

Monitor views are also available using the Web User Interface (WUI). Web User Interface views are named EYUSTART*object*, where *object* is the name of the managed resource. Guidance on using the CICSplex SM Web User interface is provided in the *CICSplex SM Web User Interface Guide*.

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## Monitoring CICS resources

The CICSplex SM monitor views provide a single-system image of the CICS resources for which resource monitoring has been requested.

### Notes:

1. Monitor data is available only for resources that are currently being monitored by CICSplex SM. For information about defining the resources to be monitored, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.
2. Monitor data is not available for systems running CICS for Windows®.

The monitor views provide two types of information:

- CICS COLLECT STATISTICS data
- CICSplex SM derived values

*Derived values* are the result of CICSplex SM processing CICS statistics to produce rates, averages, and percentages. These values are reported for two different time periods:

## monitoring CICS resources

- The *sample interval* is the period of time for which data is collected for a resource. When resource monitoring is set up, the sample interval indicates how frequently data should be collected. Once monitoring begins, data is displayed after the first full sample interval.
- The *monitor interval* is the length of time for which data from the sample intervals is to be accumulated and averaged. At the end of the monitor interval, the CICSplex SM statistics counters are automatically reset.

The derived values in a monitor view appear under field names that begin with one of the following:

### **CS or CURR**

Current Sample. This value reflects data collected during the most recent sample interval.

### **MI or INTV**

Monitor Interval. This value reflects the data accumulated thus far in the monitor interval.

---

## Understanding EUI monitor view names

The CICSplex SM monitor views present information in a layered approach, employing multiple views to present all the information for a given resource. The names assigned to the views reflect this layered approach.

The top-level view contains general information about multiple CICS resources or CICSplex SM definitions. *General views* have names that reflect the type of resource for which information is being displayed. For example, the MTERMNL view shows general information about monitored terminals.

Below the general view there may be one or more *detailed views*. These views present detailed information about a single resource within the CICSplex. The name of the first or only detailed view is, in most cases, the name of the general view with a *D* appended to it. For example, the detailed MTERMNL view is called MTERMNLD. If the general view name is already 8 characters long (the maximum length for view names), the last character of the name may be dropped and replaced with a *D*.

Some resources require additional detailed views to present all of the information available about them. The names of these views have numbers appended to them. For example, the second MLOCTRAN detailed view is MLOCTRA2.

Finally, for most general views there is a *summary view*. Summary views contain information about multiple resources that has been summarized by CICS system or some other grouping factor. An *S* is appended to the view name to indicate a summary view. So, for example, the summary view for MTERMNL is MTERMNLS.

Most monitor views have a corresponding operations view that presents operations data about the same type of resource. The name of each operations view is the name of the corresponding monitor view without the initial *M*. For example, the general operations view for terminals is TERMNL.

Table 2 on page 3 summarizes the view naming conventions:



Table 2. Summary of CICSplex SM EUI view naming conventions

| Type of view                  | How the name is formed                                 | Example name |
|-------------------------------|--|--------------|
| General view                  | Based on the resource being presented                  | MTERMNL      |
| Detailed view (first)         | Add a D to the end of the general view name            | MTERMNLD     |
| Detailed view (subsequent)    | Add a number to the end of the general view name       | MLOCTRA2     |
| Summary view                  | Add an S to the end of the general view name           | MTERMNLS     |
| Corresponding operations view | Delete the M at the beginning of the general view name | TERMNL       |

---

## Availability for CICS releases

The CICS platforms and releases supported by CICSplex SM are given in “CICS system connectivity” on page viii. However, some views, action commands, or overtype fields are not available for all of the supported CICS releases. In this book, an Availability section in the discussion of each monitor view identifies the CICS releases for which the view is generally available. In addition, the Action commands section in the discussion of each of these views specifies action commands and overtype fields for which availability is more limited. The online help for views, action commands, and overtype fields also provides availability information.

When you display a view and your CICSplex includes systems running a release of CICS for which that view is not available, those systems are not included in the view. When you issue a view command and your CICSplex consists solely of systems running a release of CICS that is not available, the following message is displayed:

```
BBMXBD15I      There is no data that satisfies your request.
```

When you issue an action command or overtype a field that is not available for the release of CICS on which your CICS system is running, the following message is displayed:

```
EYUEI0596E    Action 'action name' for 'sysname' not supported for
              this release of CICS
```

where:

**action name**

is the action command or the field name of the overtype you attempted.

**sysname**

is the CICS system for which you made the attempt.

---

## Summary of monitor views

Table 3 on page 4 identifies the monitor views, gives a brief description of the monitor data shown in the views, and indicates where each view is discussed.

See *CICSplex System Manager Web User Interface Guide* for a summary of the corresponding WUI operations views.

## summary of monitor views

### Notes:

1. The views are organized alphabetically by resource type. You do not have to access the views in any particular order.
2. The monitor views are not available for systems running CICS for Windows.

Table 3. The monitor views

| View     | Displays   | Page |
|----------|--|------|
| MCICSDSA | General view of dynamic storage areas (DSAs) within monitored CICS systems   | 8    |
| MCICSDSD | Detailed view of a specific DSA within a monitored CICS system   | 10   |
| MCICSDSS | Summary view of DSAs within monitored CICS systems   | 12   |
| MCICSRGD | Detailed view of a specific monitored CICS system  | 13   |
| MCICSRGN | General view of monitored CICS systems   | 15   |
| MCICSRGS | Summary view of monitored CICS systems   | 17   |
| MCICSRG2 | Detailed view of a specific monitored CICS system  | 18   |
| MCMDT    | General view of monitored files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them                 | 45   |
| MCMDTD   | Detailed view of a specific monitored file that has a CICS- or user-maintained data table, or coupling facility data tables, associated with it        | 47   |
| MCMDTS   | Summary view of monitored files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them                 | 49   |
| MCMDT2   | Detailed view of information concerning the table component of a CICS- or user-maintained data table, or coupling facility data table                  | 50   |
| MCMDT3   | Detailed view of statistical information concerning the data table component of a CICS- or user-maintained data table, or coupling facility data table | 52   |
| MCONNCT  | General view of monitored ISC and MRO connections  | 24   |
| MCONNCTD | Detailed view of a specific monitored ISC or MRO connection  | 26   |
| MCONNCTS | Summary view of monitored ISC and MRO connections  | 28   |
| MDB2THRD | General view of monitored DB2® threads in use  | 34   |
| MDB2THRS | Summary view of monitored DB2 threads in use   | 35   |
| MDB2TRDD | Detailed view of a specific monitored DB2 thread   | 36   |
| MFECON   | General view of monitored FEPI connections   | 38   |
| MFECOND  | Detailed view of a single monitored FEPI connection  | 40   |
| MFECONS  | Summary view of monitored FEPI connections   | 41   |
| MINDTDQ  | General view of monitored indirect transient data queues   | 112  |
| MINDTDQS | Summary view of monitored indirect transient data queues   | 114  |
| MJRNLNM  | General view of monitored system and general logs  | 74   |
| MJRNLNMS | Summary view of monitored system and general logs  | 76   |
| MLOCFILD | Detailed view of a specific monitored local file   | 54   |
| MLOCFILE | General view of monitored local files  | 56   |
| MLOCFILS | Summary view of monitored local files  | 58   |
| MLOCTRAD | Detailed view of specific monitored local transaction  | 96   |
| MLOCTRAN | General view of monitored local transactions   | 98   |

Table 3. The monitor views (continued)

| <b>View</b> | <b>Displays</b>  | <b>Page</b> |
|-------------|--|-------------|
| MLOCTRAS    | Summary view of monitored local transactions   | 100         |
| MLOCTRA2    | Detailed view of a specific monitored local transaction  | 101         |
| MLOCTRA3    | Detailed view of a specific monitored local transaction  | 103         |
| MLSRPBUD    | Detailed view of the buffer size for a specific monitored LSR pool                             | 59          |
| MLSRPBUF    | General view of buffer usage for monitored local shared resource (LSR) pools                   | 61          |
| MLSRPBUS    | Summary view of buffer usage for monitored local shared resource (LSR) pools                   | 63          |
| MLSRPOOD    | Detailed view of a specific monitored LSR pool   | 64          |
| MLSRPOOL    | General view of monitored LSR pools  | 66          |
| MLSRPOOS    | Summary view of monitored LSR pools  | 68          |
| MMODNAME    | General view of monitored LU 6.2 modenames   | 29          |
| MMODNAMS    | Summary view of monitored LU 6.2 modenames   | 31          |
| MNTRATDQ    | General view of monitored intrapartition transient data queues                                 | 115         |
| MNTRATDS    | Summary view of monitored intrapartition transient data queues                                 | 117         |
| MPROGRAM    | Detailed view of a specific monitored program  | 78          |
| MPROGRAM    | General view of monitored programs   | 80          |
| MPROGRAS    | Summary view of monitored programs   | 82          |
| MREMFILD    | Detailed view of a specific monitored remote file  | 69          |
| MREMFIL     | General view of monitored remote files   | 70          |
| MREMFILS    | Summary view of monitored remote files   | 72          |
| MREMTDQ     | General view of monitored remote transient data queues   | 118         |
| MREMTDQS    | Summary view of monitored remote transient data queues   | 120         |
| MREMTDQ     | Detailed view of a specific monitored remote transaction                                       | 106         |
| MREMTDQ     | General view of monitored remote transactions  | 108         |
| MREMTDQ     | Summary view of monitored remote transactions  | 110         |
| MTDQGBL     | General view of intrapartition transient data queue usage in monitored CICS systems            | 121         |
| MTDQGBLD    | Detailed view of intrapartition transient data queue usage in a specific monitored CICS system | 123         |
| MTDQGBLS    | Summary view of intrapartition transient data queue usage in monitored CICS systems            | 124         |
| MTERMNL     | General view of monitored terminals  | 90          |
| MTERMNLD    | Detailed view of a specified monitored terminal  | 92          |
| MTERMNLS    | Summary view of monitored terminals  | 94          |
| MTRNCLS     | General view of monitored transaction classes  | 19          |
| MTRNCLSD    | Detailed view of a specific monitored transaction class  | 21          |
| MTRNCLSS    | Summary view of monitored transaction classes  | 22          |
| MTSQGBL     | General view of temporary storage queue usage in monitored CICS systems                        | 84          |
| MTSQGBLD    | Detailed view of temporary storage queue usage in a specific monitored CICS system             | 86          |

## summary of monitor views

Table 3. The monitor views (continued)

| <b>View</b> | <b>Displays</b>   | <b>Page</b> |
|-------------|---|-------------|
| MTSQGBLS    | Summary view of temporary storage queue usage in monitored CICS systems | 88          |
| MXTRATDQ    | General view of monitored extrapartition transient data queues          | 125         |
| MXTRATDS    | Summary view of monitored extrapartition transient data queues          | 127         |

---

## Chapter 2. CICS regions

The CICS region views show information about the CICS systems within the current context and scope.

The CICS region monitor views are:

|                 |   |
|-----------------|---|
| <b>MCICSDSA</b> | A general view of dynamic storage areas (DSAs) within monitored CICS systems  |
| <b>MCICSDSD</b> | A detailed view of a DSA within a monitored CICS system                       |
| <b>MCICSDSS</b> | A summary view of DSAs within monitored CICS systems                          |
| <b>MCICSRGD</b> | A detailed view of a monitored CICS system                                    |
| <b>MCICSRGN</b> | A general view of monitored CICS systems                                      |
| <b>MCICSRGS</b> | A summary view of monitored CICS systems                                      |
| <b>MCICSRG2</b> | A detailed view of tasks and user transactions within a monitored CICS system |
| <b>MTRNCLS</b>  | A general view of monitored transaction classes                               |
| <b>MTRNCLSD</b> | A detailed view of a monitored transaction class                              |
| <b>MTRNCLSS</b> | A summary view of monitored transaction classes                               |

**Note:** This monitor data is available only for CICS systems that are being monitored by CICSplex SM. Information for the MTRNCLS, MTRNCLSD, and MTRNCLSS views is available only for CICS systems where global resources are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of CICS region views, see the individual view descriptions.

## MCICSDSA – Monitor dynamic storage areas

The MCICSDSA view shows general information about dynamic storage areas (DSAs) within monitored CICS systems.

### Availability

The MCICSDSA view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MCICSDSA [dsa]

dsals the specific or generic name of a DSA. If you omit this parameter, the view includes information about all DSAs for the monitored CICS systems within the current scope.

**Select:**

REGION from the MONITOR menu and MCICSDSA from the REGION submenu.

Figure 1 is an example of the MCICSDSA view.

```

27FEB2005 18:49:16 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MCICSDSA=====EYUPLX01=EYUPLX01=27FEB2005==18:49:16=CPSM=====20===
CMD DSA      CICS
--- Name----- System-- Access--- Size---- Cushion- Cnt- Storage-- Curr Intv
CDSA      EYUMAS1A CICS      1048576   65536    0    643072  61.3  61.2
CDSA      EYUMAS2A CICS      1048576   65536    0    790528  75.4  75.4
CDSA      EYUMAS3A CICS      1048576   65536    0    790528  75.4  75.4
CDSA      EYUMAS4A CICS      1048576   65536    0    790528  75.4  75.4
ECDSA     EYUMAS1A CICS      4194304  262144   0    905216  21.6  21.6
ECDSA     EYUMAS2A CICS      4194304  262144   0   1609728  38.4  38.4
ECDSA     EYUMAS3A CICS      4194304  262144   0   1613824  38.5  38.5
ECDSA     EYUMAS4A CICS      4194304  262144   0   1568768  37.4  37.4
ERDSA     EYUMAS1A CICS      4194304  262144   0    679936  16.2  17.3
ERDSA     EYUMAS2A CICS      4194304  262144   0    815104  19.4  19.4
ERDSA     EYUMAS3A CICS      4194304  262144   0    819200  19.5  19.5
ERDSA     EYUMAS4A CICS      4194304  262144   0    823296  19.6  19.6
EUDSA     EYUMAS1A CICS      4194304  262144   0   4194304 100.0 100.0
EUDSA     EYUMAS2A CICS      4194304  262144   0   4194304 100.0 100.0
EUDSA     EYUMAS3A CICS      4194304  262144   0   4194304 100.0 100.0
EUDSA     EYUMAS4A CICS      4194304  262144   0   4194304 100.0 100.0
UDSA      EYUMAS1A CICS      4194304   65536    0   4186112  99.8  99.8
UDSA      EYUMAS2A CICS      4194304   65536    0   4186112  99.8  99.8
    
```

Figure 1. The MCICSDSA view

### Action commands

Table 4 shows the action commands you can issue from the MCICSDSA view.

Table 4. MCICSDSA view action commands

| Primary command    | Line command | Description  |
|--------------------|--------------|--|
| INIt dsa sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a DSA to 0.  |
| REMOve dsa sysname | REM          | Removes a DSA from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 4. MCICSDSA view action commands (continued)

| Primary command | Line command | Description                                       |
|-----------------|--------------|---|
| <b>Where:</b>   |              |   |
| <b>dsa</b>      |              | Is the specific or generic name of a DSA.         |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system. |

## Hyperlinks

Table 5 shows the hyperlink field for the MCICSDSA view.

Table 5. MCICSDSA view hyperlink field

| Hyperlink field | View displayed | Description                         |
|-----------------|----------------|-------------------------------------|
| DSA Name        | MCICSDSD       | Detailed view of the specified DSA. |

**Note:** You can also display the MCICSDSS view by issuing the SUM display command.

## MCICSDSD – Monitor dynamic storage area details

The MCICSDSD view shows detailed information about a dynamic storage area (DSA) within a monitored CICS system.

### Availability

The MCICSDSD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MCICSDSD dsa sysname
```

dsals the name of a DSA.

sysnamels the name of the CICS system where the DSA is located. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the DSA Name field of the MCICSDSA view.

Figure 2 is an example of the MCICSDSD view.

```

27FEB2005 18:49:27 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MCICSDSA=MCICSDSD=EYUPLX01=EYUPLX01=27FEB2005==18:49:16=CPSM=====1===
DSA Name.....      CDSA CICS System...  EYUMAS1A NOSTORAGE Cnt..      0
Location.....      BELOW Getmain Reqs...      317 Requests Susp..      0
Access Type....      CICS Freemain Reqs..      317 Current Suspend      0
Size.....          1048576 Add Subpool....      10 HWM Suspend....      0
Cushion.....        65536 Delete Subpool..      9 Tasks Purged...      0
Free Stg Size..      643072 Subpool Count..      32 Cushion Rel Cnt      0
Free Storage %..      61.3 NIU Pgm Storage      21872 Stg Violations..      0
Pool FreeStor %     61.3 LIMIT.....          N/A SOS Count.....      0
Largest Free...     622592 FreeStorage HWM      N/A Time in SOS.... 00:00:00
CS DSA Free %..     61.3 FreeStorage LWM      N/A Current Alloc.     N/A
MI DSA Free %..     61.2                      HWM Alloc.....        N/A
StorProt Active     N/A Sub Space Users
RentProg Protct     N/A Cur Unique User      N/A
TranIsol Stat..     N/A Cum Unique User      N/A
                      HWM Unique User        N/A
                      Cur Common User        N/A
                      HWM Common User        N/A
    
```

Figure 2. The MCICSDSD view

### Action commands

Table 6 shows the action commands you can issue from the MCICSDSD view.

Table 6. MCICSDSD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIt            | n/a          | Initializes the CICSplex SM statistics counters associated with the DSA to 0.  |
| REMOve          | n/a          | Removes the DSA from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |



## Hyperlinks

Table 7 shows the hyperlink field for the MCICSDSD view.

*Table 7. MCICSDSD view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>   |
|------------------------|-----------------------|--|
| CICS System            | MCICSRGD              | Detailed view of the CICS system associated with this DSA. |

### MCICSDSS – Monitor dynamic storage areas summary

The MCICSDSS view shows summarized information about dynamic storage areas (DSAs) within monitored CICS systems. MCICSDSS is a summary form of the MCICSDSA view.

#### Availability

The MCICSDSS view is available for all managed CICS systems except CICS for Windows.

#### Access

**Issue command:**

MCICSDSS [dsa]

Where the parameters are the same as those for MCICSDSA on page 8.

**Select:** REGION from the MONITOR menu and MCICSDSS from the REGION submenu.

**Summarize:** Issue the SUM display command from an MCICSDSA or MCICSDSS view.

The MCICSDSS view looks like the MCICSDSA view shown in Figure 1 on page 8 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

#### Action commands

None.

#### Hyperlinks

From the MCICSDSS view, you can hyperlink from the Count field to the MCICSDSA view to expand a line of summary data. The MCICSDSA view includes only those resources that were combined to form the specified summary line.

## MCICSRGD – Monitor CICS system details

The MCICSRGD view shows detailed information about a monitored CICS system.

### Availability

The MCICSRGD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MCICSRGD sysname
```

sysnamels the name of a monitored CICS system within the current scope.

#### Hyperlink from:

the CICS System field of the MCICSRGN or MCICSDSD view.

Figure 3 is an example of the MCICSRGD view.

```

27FEB2005 18:49:45 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> 1 ALT WIN ==>
W1 =MCICSRGN=MCICSRGD=EYUPLX01=EYUPLX01=27FEB2005==18:49:36=CPSM=====1===
CICS System... EYUMAS1A CICS Release. 0330 Start Date.... 27FEB2005
Job Name..... EYUJMS1A Current Tasks 5 Start Time.... 18:10:54
Total CPU.... 4.5 Real Stg Used 2552 Sysdumps..... 0
CS CPU Rate... 0.0 Curr AutoInst 0 Sysdumps Suppr. 0
MI CPU Rate... 0.0 Max AutoInst. 100 Trandumps..... 0
Total Page In. 0 Pgrm AIn Try. N/A Trandumps Suppr 0
CS PageIn Rate 0.0 Pgrm AIn Xrej N/A VTAM RPLMAX Cnt 4
MI PageIn Rate 0.0 Pgrm AIn Fail N/A VTAM RPL Post.. 1
Total Page Out 0 PRSS Inq Cnt. N/A Cnt VTAM SOS... 0
CS PagOut Rate 0.0 PRSS NIB Cnt. N/A VTAM ACB opens. 0
MI PagOut Rate 0.0 PRSS Opn Cnt. N/A Library Loads.. 17
Total SIO..... 170 PRSS UbndCnt. N/A Tot Load Time.. 0
CS SIO Rate... 0.0 PRSS Err Cnt. N/A Cur Load Wait.. 0
MI SIO Rate... 0.1 Cur LU Sess.. N/A Tot Load Wait.. 0
Tot Pgm Use... 1764 HWM LU Sess.. N/A Max Load Wait.. 0
Pgm Compress.. 7 Cnt Max Wait... 0
Tot Load NIU.. 34 Total Wait Time 0
Tot NIU QTime. 15:25:50.00 RPL Reopens.... 0
NIU Reclaims.. 286

```

Figure 3. The MCICSRGD view

### Action commands

Table 8 shows the action commands you can issue from the MCICSRGD view.

Table 8. MCICSRGD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIt            | n/a          | Initializes the CICSplex SM statistics counters associated with the CICS system to 0.  |
| REMove          | n/a          | Removes the CICS system from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 9 shows the hyperlink field for the MCICSRGD view.

*Table 9. MCICSRGD view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>                         |
|------------------------|-----------------------|--|
| Current Tasks          | MCICSRG2              | Detailed information on the current tasks. |

## MCICSRGN – Monitor CICS systems

The MCICSRGN view shows general information about monitored CICS systems. When a CICS system is part of an extended recovery facility (XRF) configuration, the information displayed is about the active CICS system in the configuration.

### Availability

The MCICSRGN view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

MCICSRGN

#### Select:

REGION from the MONITOR menu and MCICSRGN from the REGION submenu.

Figure 4 is an example of the MCICSRGN view.

```

27FEB2005 18:49:36 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MCICSRGN=====EYUPLX01=EYUPLX01=27FEB2005==18:49:36=CPSM=====4===
CMD CICS      CICS <CPU  Rate> <SIO  Rate> Curr  Total  Intvl  <Task  Rate>
--- System-- Rel. Curr  Intv Curr  Intv Tasks- Tasks-- Tasks-- Curr  Intv
EYUMAS1A 0330  0.0  0.0  0.0  0.1   5   42 N/A   0.0  0.0
EYUMAS2A 0330  0.0  0.0  0.0  0.0   5   36 N/A   0.0  0.0
EYUMAS3A 0330  0.0  0.0  0.0  0.0   5   36 N/A   0.0  0.0
EYUMAS4A 0410  0.0  0.0  0.0  0.0   6   37 N/A   0.0  0.0

```

Figure 4. The MCICSRGN view

### Action commands

Table 10 shows the action commands you can issue from the MCICSRGN view.

Table 10. MCICSRGN view action commands

| Primary command  | Line command | Description  |
|--|--------------|--|
| INIt sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a CICS system to 0.  |
| REMOve sysname   | REM          | Removes a CICS system from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <b>Where:</b><br><b>sysname</b><br>Is the specific or generic name of a CICS system. |              |  |

### Hyperlinks

Table 11 shows the hyperlink field for the MCICSRGN view.

Table 11. MCICSRGN view hyperlink field

| Hyperlink field | View displayed | Description                                 |
|-----------------|----------------|---|
| CICS System     | MCICSRGD       | Detailed view of the specified CICS system. |

## CICS regions – MCICSRGN

**Note:** You can also display the MCICSRGS view by issuing the SUM display command.

---

## MCICSRGS – Monitor CICS systems summary

The MCICSRGS view shows summarized information about monitored CICS systems. MCICSRGS is a summary form of the MCICSRGN view.

### Availability

The MCICSRGS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MCICSRGS

**Select:** REGION from the MONITOR menu and MCICSRGS from the REGION submenu.

**Summarize:** Issue the SUM display command from an MCICSRGN or MCICSRGS view.

The MCICSRGS view looks like the MCICSRGN view shown in Figure 4 on page 15 with one addition: the Count field. This field appears next to the CICS System field, indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MCICSRGS view, you can hyperlink from the Count field to the MCICSRGN view to expand a line of summary data. The MCICSRGN view includes only those resources that were combined to form the specified summary line.

## MCICSRG2 – Monitor CICS system task details

The MCICSRG2 view shows detailed information about the tasks and user transactions within a monitored CICS system.

### Availability

The MCICSRG2 view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MCICSRG2 sysname

sysnamels the name of a monitored CICS system within the current scope.

**Hyperlink from:**

the Current Task field of the MCICSRGD view.

Figure 5 is an example of the MCICSRG2 view.

```

27FEB2005 15:03:23 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> 1 ALT WIN ==>
W1 =MCICSRGN=MCICSRG2=EYUPLX01=EYUPLX01=27FEB2005==15:03:23=CPSM=====
CICS System... EYUMAS4A Release Info..
Tasks===== User Trans= CICS Release. 0530
Current Tasks. 13 Cur Act UTrn. 13 CICSTS level. 010300
Current AMAX.. N/A Cur Que UTrn. 0 OS/390 level.
Peak AMAX..... N/A Peak Act UTrn 41
Max Task..... 40 Peak Que UTrn 2
Times Max Task 0 Totl Act UTrn 1
Peak Tasks... 52 Totl Que UTrn 0
Total Tasks... 255 Tot Que Time. 00:00:00
Interval Tasks. 1 Cur Que Time. 00:00:00
Cur Task Rate.. 0.0
Intv Task Rate. 2.0
    
```

Figure 5. The MCICSRG2 view

### Action commands

Table 12 shows the action commands you can issue from the MCICSRG2 view.

Table 12. MCICSRG2 view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIt            | n/a          | Initializes the CICSplex SM statistics counters associated with the CICS system to 0.  |
| REMove          | n/a          | Removes the CICS system from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

### Hyperlinks

None.



## MTRNCLS – Monitor transaction classes

The MTRNCLS view shows general information about transaction classes within monitored CICS systems.

### Availability

The MTRNCLS view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MTRNCLS [traclass]
```

traclass is the specific or generic 8-character name of a transaction class. If you omit this parameter, the view includes information about all transaction classes within the current scope.

#### Select:

REGION from the MONITOR menu and MTRNCLS from the REGION submenu.

Figure 6 is an example of the MTRNCLS view.

```

27FEB2005 19:36:10 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MTRNCLS=====EYUPLX01=EYUPLX01=27FEB2005==19:36:10=CPSM=====40===
CMD TRAN   CICS   TRANCLSS Current Active Times At
--- Class--- System-- Max----- Active-- Peak----- Max-----
01   EYUMAS1A    9      0      0      0
01   EYUMAS2A    9      0      0      0
01   EYUMAS3A    9      0      0      0
01   EYUMAS4A    9      0      0      0
02   EYUMAS1A    9      0      0      0
02   EYUMAS2A    9      0      0      0
02   EYUMAS3A    9      0      0      0
02   EYUMAS4A    9      0      0      0
03   EYUMAS1A    9      0      0      0
03   EYUMAS2A    9      0      0      0
03   EYUMAS3A    9      0      0      0
03   EYUMAS4A    9      0      0      0
04   EYUMAS1A    9      0      0      0
04   EYUMAS2A    9      0      0      0
04   EYUMAS3A    9      0      0      0
04   EYUMAS4A    9      0      0      0

```

Figure 6. The MTRNCLS view

### Action commands

Table 13 shows the action commands you can issue from the MTRNCLS view.

Table 13. MTRNCLS view action commands

| Primary command         | Line command | Description  |
|-------------------------|--------------|--|
| INItraclass sysname     | INI          | Initializes the CICSplex SM statistics counters associated with a transaction class to 0.  |
| REMOve traclass sysname | REM          | Removes a transaction class from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## CICS regions – MTRNCLS

Table 13. MTRNCLS view action commands (continued)

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| <b>Where:</b>   |              |  |
| <b>traclass</b> |              | Is a specific or generic transaction class name or ID. |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system.      |

## Hyperlinks

Table 14 shows the hyperlink field on the MTRNCLS view.

Table 14. MTRNCLS view hyperlink field

| Hyperlink field | View displayed | Description                                       |
|-----------------|----------------|---|
| Tran Class      | MTRNCLSD       | Detailed view of the specified transaction class. |

**Note:** You can also display the MTRNCLSS view by issuing the SUM display command.

## MTRNCLSD – Monitor transaction class details

The MTRNCLSD view shows detailed information about a transaction class within a monitored CICS system.

### Availability

The MTRNCLSD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MTRNCLSD tranclass sysname
```

tranclass is the 8-character name of a transaction class.

sysname is the name of the monitored CICS system where the transaction class is installed.

#### Hyperlink from:

the Tran Class field of the MTRNCLS view.

Figure 7 is an example of the MTRNCLSD view.

```

27FEB2005 19:36:17 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MTRNCLS=MTRNCLSD=EYUPLX01=EYUPLX01=27FEB2005==19:36:10=CPSM=====1===
Tran Class..      01 Cics System... EYUMAS1A
TRANcls Max.     9 Attach Requests   N/A
Current Act.     0 Purged Trans...     N/A
Current Que.     N/A Times at Thresh   N/A
Active Peak.     0 Purge Threshold         N/A
Queued Peak.     N/A Total Queued...       N/A
Times ActMax     0 Time Not Queued         N/A
Install Defs     N/A Accepted Trans.       N/A
                  Accepted Qued..   N/A
                  Purged Qued....     N/A

```

Figure 7. The MTRNCLSD view

### Action commands

Table 15 shows the action commands you can issue from the MTRNCLSD view.

Table 15. MTRNCLSD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIT            | n/a          | Initializes the CICSplex SM statistics counters associated with a transaction class to 0.  |
| REMOve          | n/a          | Removes a transaction class from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

### Hyperlinks

None.

### MTRNCLSS – Monitor transaction classes summary

The MTRNCLSS view shows summarized information about transaction classes within monitored CICS systems. MTRNCLSS is a summary form of the MTRNCLS view.

#### Availability

The MTRNCLSS view is available for all managed CICS systems except CICS for Windows.

#### Access

**Issue command:**

MTRNCLSS [traclass]

Where the parameters are the same as those for MTRNCLS on page 19.

**Select:** REGION from the MONITOR menu and MTRNCLSS from the REGION submenu.

**Summarize:** Issue the SUM display command from an MTRNCLS or MTRNCLSS view.

The MTRNCLSS view looks like the MTRNCLS view shown in Figure 6 on page 19 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

#### Action commands

None.

#### Hyperlinks

From the MTRNCLSS view, you can hyperlink from the Count field to the MTRNCLS view to expand a line of summary data. The MTRNCLS view includes only those resources that were combined to form the specified summary line.

---

## Chapter 3. Connections

The connections views show information about intersystem communication (ISC) connections, multiple region operation (MRO) connections, and LU 6.2 modenames within the current context and scope.

**Note:** The connections views do not show information about, or let you issue commands against, terminals. For information about a terminal, use the terminal views, described in Chapter 10, “Terminals,” on page 89.

The connections monitor views are:

|                 |  |
|-----------------|--|
| <b>MCONNCT</b>  | A general view of monitored ISC and MRO connections  |
| <b>MCONNCTD</b> | A detailed view of a monitored ISC or MRO connection |
| <b>MCONNCTS</b> | A summary view of monitored ISC and MRO connections  |
| <b>MMODNAME</b> | A general view of monitored LU 6.2 modenames         |
| <b>MMODNAMS</b> | A summary view of monitored LU 6.2 modenames         |

**Note:** This monitor data is available only for connections where connections are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of connections views, see the individual view descriptions.

## MCONNCT – Monitor ISC/MRO connections

The MCONNCT view shows general information about monitored ISC and MRO connections.

### Availability

The MCONNCT view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MCONNCT [connection]

connections is the specific or generic name of a monitored ISC or MRO connection. If you omit this parameter, the view includes information about all monitored connections within the current scope.

**Select:**

CONNECT from the MONITOR menu and MCONNCT from the CONNECT submenu.

Figure 8 is an example of the MCONNCT view.

```

27FEB2005 19:13:31 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MCONNCT=====EYUPLX01=EYUPLX01=27FEB2005==19:13:31=CPSM=====4===
CMD Conn CICS      Type Netname  Function -Func Rate- Term  ATIs  ATIs
--- ID-- System-- ---- -Ships--- Curr Intv Shares- Primary Secndry
  2A1A EYUMAS2A MRO  EYUMAS1A      0  0.0  0.0      0      0      0
  2A4A EYUMAS2A MRO  EYUMAS4A      0  0.0  0.0      0      0      0
  3A1A EYUMAS3A MRO  EYUMAS1A      0  0.0  0.0      0      0      0
  3A4A EYUMAS3A MRO  EYUMAS4A      0  0.0  0.0      0      0      0
    
```

Figure 8. The MCONNCT view

### Action commands

Table 16 shows the action commands you can issue from the MCONNCT view.

Table 16. MCONNCT view action commands

| Primary command           | Line command | Description   |
|---------------------------|--------------|---|
| INIt connection sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a connection to 0.  |
| REMOve connection sysname | REM          | Removes a connection from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

**Where:**

**connection**

Is the specific or generic name of a monitored ISC or MRO connection.

**sysname**

Is the specific or generic name of a CICS system.

## Hyperlinks

Table 17 shows the hyperlink field for the MCONNCT view.

*Table 17. MCONNCT view hyperlink field*

| Hyperlink field | View displayed | Description                                |
|-----------------|----------------|--|
| Conn ID         | MCONNCTD       | Detailed view of the specified connection. |

**Note:** You can also display the MCONNCTS view by issuing the SUM display command.

## MCONNCTD – Monitor ISC/MRO connection details

The MCONNCTD view shows detailed information about a monitored ISC or MRO connection.

### Availability

The MCONNCTD view is available for all managed CICS systems except and CICS for Windows.

### Access

#### Issue command:

```
MCONNCTD connection sysname
```

connection is the name of a monitored ISC or MRO connection.

sysname is the name of the CICS system where the connection is located. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Conn ID field of the MCONNCT view.

Figure 9 is an example of the MCONNCTD view.

```

27FEB2005 19:13:42 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MCONNCTD=====EYUPLX01=EYUPLX01=27FEB2005==10:18:51=CPSM=====1===
Connect ID..... 1A1B CICS System... EYUMAS1A FC Function Ships      0
Access Method..  XM Max Primaries..    0 IC Function Ships      0
Type.....       LU62 Max Secondaries  0 TD Function Ships      0
Protocol.....   NOTAPPLI AIDs.....     1 TS Function Ships      0
Netname.....    EYUMAS1B Non Spec Aids.. 1 DLI Func Ships...    0
Service Status. INSERVICE Max Bids..... 0 CS Func Ship Rate    0.0
Connect Status. RELEASED Bids Sent..... 0 MI Func Ship Rate    0.0
Allocates.....  0 Concurrent Bids      0 Terminal Share...    0
Outstand Allocs 0 Alloc QLmt.....      0 ATIs by Primary..    0
Allocates Qued. 0 XZI Que Rejt..      0 ATIs by Secdry..    0
Rejt Ext Alloc. 0 XZI Que Purge..      0 Failed Links.....    0
MaxQ Time.....  0 XZIQ Alloc Pur.      0 Failed Other.....    0
MaxQ Pur Cnt... 0 GMT Con Create. 00:00:00 # Recv Sess..... 10
MaxQ Alloc Pur. 0 Con Create Tme. 00:00:00 # Send Sess..... 10
GMT Con Delete. 00:00:00 Primaries Used. 0
Con Delete Tim. 00:00:00 Secondary Used. 0
    
```

Figure 9. The MCONNCTD view

### Action commands

Table 18 shows the action commands you can issue from the MCONNCTD view.

Table 18. MCONNCTD view action commands

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| INit            | n/a          | Initializes the CICSplex SM statistics counters associated with the connection to 0.  |
| REMove          | n/a          | Removes the connection from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |



## Hyperlinks

Table 19 shows the hyperlink field for the MCONNCTD view.

*Table 19. MCONNCTD view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>                                  |
|------------------------|-----------------------|---|
| Connect ID             | CONNECT               | General operations view of ISC and MRO connections. |

## MCONNECTS – Monitor ISC/MRO connections summary

The MCONNECTS view shows summarized information about monitored ISC and MRO connections. MCONNECTS is a summary form of the MCONNECT view.

### Availability

The MCONNECTS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MCONNECTS [connection]

Where the parameters are the same as those for MCONNECT on page “MCONNECT command” on page 24.

**Select:** CONNECT from the MONITOR menu and MCONNECTS from the CONNECT submenu.

**Summarize:** Issue the SUM display command from an MCONNECT or MCONNECTS view.

The MCONNECTS view looks like the MCONNECT view shown in Figure 8 on page 24 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MCONNECTS view, you can hyperlink from the Count field to the MCONNECT view to expand a line of summary data. The MCONNECT view includes only those resources that were combined to form the specified summary line.

## MMODNAME – Monitor LU6.2 modenames

The MMODNAME view shows general information about monitored LU 6.2 modenames.

### Availability

The MMODNAME view is available for all managed CICS systems except CICS for Windows.

### Access

- Issue command:** MMODNAME [modename [connection]]
- modenamels the specific or generic name of a monitored LU 6.2 modename or \* for all modenames.
- connect ionIs the specific or generic name of a monitored ISC connection. Use this parameter to find out what modenames are associated with what connections.
- If you do not specify parameters, the view includes information about all monitored modenames within the current scope.
- Select:** CONNECT from the MONITOR menu and MMODNAME from the CONNECT submenu.

Figure 10 is an example of the MMODNAME view.

```

27FEB2005 19:23:11 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> 1 ALT WIN ==>
W1 =MMODNAME=====EYUPLX01=EYUPLX01=27FEB2005==19:23:11=CPSM=====2===
CMD Mode CICS Conn Curr Avail Max Max Connect
--- Name---- System-- Name Sess- Sess- Sess- Win-- Status
      EYUMAS1A 1A1B 0 0 8 4 RELEASED
      SNASVCMG EYUMAS1A 1A1B 0 0 2 1 RELEASED

```

Figure 10. The MMODNAME view

### Action commands

Table 20 shows the action commands you can issue from the MMODNAME view.

Table 20. MMODNAME view action commands

| Primary command                       | Line command | Description   |
|---------------------------------------|--------------|---|
| INIt modename connection<br>sysname   | INI          | Initializes the CICSplex SM statistics counters associated with an LU 6.2 modename to 0.  |
| REMOve modename<br>connection sysname | REM          | Removes an LU 6.2 modename from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## connections – MMODNAME

Table 20. MMODNAME view action commands (continued)

| Primary command  | Line command | Description |
|--|--------------|-------------|
| <b>Where:</b>  |              |             |
| <b>modename</b>  |              |             |
| Is the specific or generic name of a monitored LU 6.2 modename.  |              |             |
| <b>connection</b>  |              |             |
| Is the specific or generic name of a monitored ISC connection.   |              |             |
| <b>sysname</b>   |              |             |
| Is the specific or generic name of a CICS system.  |              |             |
| When the Mode Name field is blank (because no modename was defined for the connection), you must use the line action commands. The primary action commands are not valid because there is no modename to specify as a parameter. |              |             |

## Hyperlinks

None.

**Note:** You can display the MMODNAMS view by issuing the SUM display command.

---

## MMODNAMS – Monitor LU6.2 modenames summary

The MMODNAMS view shows summarized information about monitored LU 6.2 modenames. MMODNAMS is a summary form of the MMODNAME view.

### Availability

The MMODNAMS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MMODNAMS [modename [connection]]

Where the parameters are the same as those for MMODNAME on page 29.

**Select:** CONNECT from the MONITOR menu and MMODNAMS from the CONNECT submenu.

**Summarize:** Issue the SUM display command from an MMODNAME or MMODNAMS view.

The MMODNAMS view looks like the MMODNAME view shown in Figure 10 on page 29 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MMODNAMS view, you can hyperlink from the Count field to the MMODNAME view to expand a line of summary data. The MMODNAME view includes only those resources that were combined to form the specified summary line.



---

## Chapter 4. DB2 and DBCTL

The DB2 and DBCTL views show information about DB2 and DBCTL subsystems and DB2 threads within the current context and scope.

The DB2 monitor views are:

**MDB2THRD** A general view of monitored DB2 threads in use

**MDB2THRS** A summary view of monitored DB2 threads in use

**MDB2TRDD** A detailed view of a monitored DB2 thread

**Note:** This monitor data is available only for DB2 systems that are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of DB2 and DBCTL views, see the individual view descriptions.

## MDB2THRD – Monitor DB2 threads

The MDB2THRD view shows general information about monitored DB2 threads defined in the DB2 DSNCRCT table. The threads are listed by initial transaction ID.

### Availability

The MDB2THRD view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MDB2THRD [init-tran]
```

init-tran is the specific or generic name of an initial transaction assigned to a DB2 thread. If you omit this parameter, the view includes information about all monitored DB2 threads within the current scope.

**Select:**

DB2 from the MONITOR menu and MDB2THRD from the DB2 submenu.

Figure 11 is an example of the MDB2THRD view.

```

27FEB2005 09:27:50 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MDB2THRD=====EYUPLX01=EYUPLX01=27FEB2005==09:27:45=CPSM=====64===
CMD Initial CICS      Use   Thread Thread  Maximum DB2
--- Tran--- System-- Count-- Waits-- Authrzd- Cncrrnt- Subsys
DB2P  EYUMAS1A        0     0     0       3 DBH2
DB2P  EYUMAS1B        0     0     0       3 DB2J
DB2T  EYUMAS1A        0     0     0       3 DBH2
DB2T  EYUMAS1B        0     0     0       3 DB2J
DB20  EYUMAS1A        0     0     0       1 DBH2
DB20  EYUMAS1B        0     0     0       1 DB2J
D22X  EYUMAS1A      9975     0    135     97 DBH2
D22X  EYUMAS1B        0     0     0       5 DB2J
D23X  EYUMAS1A        0     0     0       5 DBH2
D23X  EYUMAS1B      4760     6     5       5 DB2J
    
```

Figure 11. The MDB2THRD view

### Action commands

None.

### Hyperlinks

Table 21 shows the hyperlink field for the MDB2THRD view.

Table 21. MDB2THRD view hyperlink field

| Hyperlink field | View displayed | Description                                |
|-----------------|----------------|--|
| Initial Tran    | MDB2TRDD       | Detailed view of the specified DB2 thread. |

**Note:** You can also display the MDB2THRS view by issuing the SUM display command.



---

## MDB2THRS – Monitor DB2 threads summary

The MDB2THRS view shows summarized information about monitored DB2 threads defined in the DB2 DSNCRCT table. MDB2THRS is a summary form of the MDB2THRD view.

### Availability

The MDB2THRS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MDB2THRS [init-tran]

Where the parameters are the same as those for MDB2THRD on page 34.

**Select:** DB2 from the MONITOR menu and MDB2THRS from the DB2 submenu.

**Summarize:** Issue the SUM display command from an MDB2THRD or MDB2THRS view.

The MDB2THRS view looks like the MDB2THRD view shown in Figure 11 on page 34 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MDB2THRS view, you can hyperlink from the Count field to the MDB2THRD view to expand a line of summary data. The MDB2THRD view includes only those resources that were combined to form the specified summary line.

## MDB2TRDD – Monitor DB2 thread details

The MDB2TRDD view shows detailed information about a monitored DB2 thread.

### Availability

The MDB2TRDD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MDB2TRDD init-tran sysname
```

init-tran is the name of the initial transaction assigned to a monitored DB2 thread.

sysname is the name of the CICS system where the transaction is located. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Initial Tran field of the MDB2THRD view.

Figure 12 is an example of the MDB2TRDD view.

```

27FEB2005 09:28:00 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MDB2THRD=MDB2TRDD=EYUPLX01=EYUPLX01=27FEB2005==09:27:45=CPSM=====1===
Initial Trnid.      D22X CICS System... EYUMAS1A
Use Count.....    9975 Thread.....          Dispatch Mode.    HIGH
Thread Waits...    0 Maximum.....          98 Authorization. SIGNID
Max Cncrrnt Thd    97 Subtasks.....        10 Rollback.....  YES
Authorizations.    135 Current.....        0 Plan Name.....  TELEV22
Aborts.....        0 WAIT Option..        YES PLANEXIT Name.
Read Only Cmmts    285 DB2 Subsystem.      DBH2

```

Figure 12. The MDB2TRDD view

### Action commands

None.

### Hyperlinks

None.

---

## Chapter 5. FEPI

The Front-end programming interface (FEPI) views show information about the CICS systems within the current context and scope.

The FEPI monitor views are:

|                |   |
|----------------|---|
| <b>MFECON</b>  | A general view of FEPI connections within monitored CICS systems  |
| <b>MFECOND</b> | A detailed view of FEPI connections within monitored CICS systems |
| <b>MFECONS</b> | A summary view of FEPI connections within monitored CICS systems  |

**Note:** This monitor data is available only for CICS systems where global resources are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

The FEPI views are available for all managed CICS systems except CICS for Windows.

## MFECON – Monitor FEPI connections

The MFECON view shows general information about installed FEPI connections within monitored CICS systems.

### Availability

The MFECON view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MFECON [feconn] [fenode]

feconn is a specific or generic target name, or \* for all target connections.

fenode is a specific or generic node name.

If you do not specify parameters, the view includes information about all monitored FEPI connections.

**Select:**

FEPI from the MONITOR menu and MFECON from the FEPI submenu.

Figure 13 is an example of the MFECON view.

```

27FEB2005 14:49:58 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MFECON=====EYUPLX01=EYUPLX01=27FEB2005==14:49:58=CPSM=====
CMD Target  Nodename CICS   Poolname Service  Acquire  ACQUI RATE
--- Name---  System--  Status--- Status---  --CS-  --MI-
1A1BLTRM EYUMAS1B EYUMAS1A POOL1  INSERVICE ACQUIRED   99.3  14.5
1A2ALTRM EYUMAS2A EYUMAS1A POOL2  INSERVICE ACQUIRING
1A3ALTRM EYUMAS3A EYUMAS1A POOL3  OUTSERVICE RELEASED
2A1ALTRM EYUMAS1A EYUMAS2A POOL1  INSERVICE RELEASING
2A4ALTRM EYUMAS4A EYUMAS2A POOL2  INSERVICE ACQUIRED
3A1ALTRM EYUMAS1A EYUMAS3A POOL2  INSERVICE ACQUIRED
3A4ALTRM EYUMAS4A EYUMAS3A POOL3  INSERVICE ACQUIRED
    
```

Figure 13. The MFECON view

### Action commands

Table 22 shows the action commands you can issue from the MFECON view.

Table 22. MFECON view action commands

| Primary command       | Line command | Description  |
|-----------------------|--------------|--|
| INIt feconn sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a FEPI connection to 0.  |
| REMOve feconn sysname | REM          | Removes a FEPI connection from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 22. MFECON view action commands (continued)

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| <b>Where:</b>   |              |  |
| <b>feconn</b>   |              | Is the APPLID of a CICS system that is the target of a FEPI logical node or * for all targets. |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system.  |

## Hyperlinks

Table 23 shows the hyperlink field on the MFECON view.

Table 23. MFECON view hyperlink field

| Hyperlink field | View displayed | Description                                |
|-----------------|----------------|--|
| Target Name     | MFECOND        | Detailed view of the specified connection. |

**Note:** You can also display the MFECONS view by issuing the SUM display command.

## MFECOND – Monitor DB2 connection details

The MFECOND view shows detailed information about a FEPI connection within a monitored CICS system.

### Availability

The MFECOND view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MFECOND feconn fenode sysname

feconnls a specific target name.

fenodels a specific node name.

sysnamels the name of the CICS system where the connection is defined. The CICS system must be within the current scope.

**Hyperlink from:**

the Target Name field of the MFECON view.

Figure 14 is an example of the MFECOND view.

```

27FEB2005 14:50:05 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> 1 ALT WIN ==>
W1 =MFECON==MFECOND==EYUPLX01=EYUPLX01=27FEB2005==14:49:58=CPSM=====
Target Name... 1A1BLTRM CICS System... EYUMAS1A
Node Name..... EYUMAS2B Acquires..... 0
POOL Name..... POOL1 CS Acq Rate... 99.9
State..... APPLICATIO MI Acq Rate... 14.6
Acquire Status ACQUIRED Conversations.. 0
Service Status INSERVICE Conv Waiting... 0
Unsol Inputs... 0
Char Sent..... 0
Char Recv..... 0
Recv Timeouts.. 0
Errors..... 0
    
```

Figure 14. The MFECOND view

### Action commands

Table 24 shows the action commands you can issue from the MFECOND view.

Table 24. MFECOND view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIt            | INIt         | Initializes the CICSPlex SM statistics counters associated with a FEPI connection to 0.  |
| REMOve          | REM          | Removes a FEPI connection from CICSPlex SM monitoring for the current sample interval and discards its accumulated statistics. |

### Hyperlinks

None.

---

## MFECONS – Monitor DB2 connections summary

The MFECONS view shows summarized information about installed FEPI connections within monitored CICS systems. MFECONS is a summary form of the MFECON view.

### Availability

The MFECONS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MFECONS [feconn] [fenode]

Where the parameters are the same as those for the MFECON view on page 38.

**Select:** FEPI from the MONITOR menu and MFECONS from the FEPI submenu.

**Summarize:** Issue the SUM display command from an MFECON or MFECONS view.

The MFECONS view looks like the MFECON view shown in Figure 13 on page 38 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MFECONS view, you can hyperlink from the Count field to the MFECON view to expand a line of summary data. The MFECON view includes only those resources that were combined to form the specified summary line.





---

## Chapter 6. Files

The file views show information about CICS files within the current context and scope. Information is available about local shared resource (LSR) pools, and for all types of CICS files, including local and remote files, and files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them.

### Notes:

1. The information provided in file views can vary depending on when you issue the view command. If a file is closed, for example, much of the information reflects the state the file will be in the next time it is opened. If a file has never been opened, some information is not available, so you receive default or null values; these values may change once the file is opened.
2. The term *data table file* is used in this section to mean a file that has a CICS- or user-maintained data table, or coupling facility data table, associated with it.

The file monitor views are:

|                 |   |
|-----------------|---|
| <b>MCMDT</b>    | A general view of monitored files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them  |
| <b>MCMDTD</b>   | A detailed view of a monitored file that has a CICS- or user-maintained data table, or a coupling facility data table, associated with it |
| <b>MCMDTS</b>   | A summary view of monitored files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them  |
| <b>MCMDT2</b>   | A detailed view of information relating to a monitored file's associated data table   |
| <b>MCMDT3</b>   | A detailed view of statistical information relating to a monitored file's associated data table   |
| <b>MLOCFILE</b> | A detailed view of a monitored local file   |
| <b>MLOCFILE</b> | A general view of monitored local files   |
| <b>MLOCFILS</b> | A summary view of monitored local files   |
| <b>MLSRPBUD</b> | A detailed view of buffer size information for a monitored LSR pool   |
| <b>MLSRPBUF</b> | A general view of buffer usage for monitored LSR pools  |
| <b>MLSRPBUS</b> | A summary view of buffer usage for monitored LSR pools  |
| <b>MLSRPOOD</b> | A detailed view of a monitored LSR pool   |
| <b>MLSRPOOL</b> | A general view of monitored LSR pools   |
| <b>MLSRPOOS</b> | A summary view of monitored LSR pools   |
| <b>MREMFILD</b> | A detailed view of a monitored remote file  |
| <b>MREMFILS</b> | A general view of monitored remote files  |
| <b>MREMFILS</b> | A summary view of monitored remote files  |

**Note:** This monitor data is available only for files that are being monitored by CICSplex SM. LSR pool information is available only for CICS systems where global resources are being monitored by CICSplex SM. For details on

## files

defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of file views, see the individual view descriptions.

## MCMDT – Monitor data tables

The MCMDT view shows general information about monitored files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them.

### Availability

The MCMDT view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

MCMDT [file]

file is the specific or generic name of a currently installed data table file that is being monitored. If you omit this parameter, the view includes information about all monitored data table files within the current scope.

#### Select:

FILE from the MONITOR menu and MCMDT from the FILE submenu.

Figure 15 is an example of the MCMDT view.

```

27FEB2005 11:37:27 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MCMDT=====EYUPLX01=EYUPLX01=27FEB2005==11:37:26====CPSM=====4
CMD File  Table  CICS   -API Rate- -Table Rate- -Read Rate-
--- ID----- Type---- System-- Curr Intv Curr  Intv Curr  Intv
CFDT      CFTABLE IYZ30C06  0.0  0.0  0.0  0.0  0.0  0.0
CFDT2     CFTABLE IYZ30C06  0.0  0.0  0.0  0.0  0.0  0.0
CMT       CICSTABL IYZ30C06  0.0  0.0  0.0  0.0  0.0  0.0
UMT       USERTABL IYZ30C06  0.0  0.0  0.0  0.0  0.0  0.0

```

Figure 15. The MCMDT view

## Action commands

Table 25 shows the action commands you can issue from the MCMDT view.

Table 25. MCMDT view action commands

| Primary command     | Line command  | Description  |
|---------------------|---|--|
| INI file sysname    | INI   | Initializes the CICSplex SM statistics counters associated with a data table file to 0.  |
| REMOve file sysname | REM   | Removes a data table file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <b>Where:</b>       |   |  |
| <b>file</b>         | Is the specific or generic name of a monitored data table file. |  |
| <b>sysname</b>      | Is the specific or generic name of a CICS system.               |  |

## Hyperlinks

Table 26 shows the hyperlink field for the MCMDT view.

*Table 26. MCMDT view hyperlink field*

| Hyperlink field | View displayed | Description                                     |
|-----------------|----------------|---|
| File ID         | MCMDTD         | Detailed view of the specified data table file. |

**Note:** You can also display the MCMDTS view by issuing the SUM display command.

## MCMDTD – Monitor data table details

The MCMDTD view shows detailed information about a monitored file that has a CICS- or user-maintained data table, or coupling facility data table, associated with it.

### Availability

The MCMDTD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MCMDTD file sysname
```

file is the name of a currently installed data table file that is being monitored.

sysname is the name of the CICS system where the data table file is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the File ID field of the MCMDDT view.

Figure 16 is an example of the MCMDTD view.

```

27FEB2005 15:14:54 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
>w1 =MCMDDT==MCMDDT===EYUPLX01=EYUPLX01=27FEB2005==15:14:10====CPSM=====1
  File ID.....          MDRVC6AC
  CICS System....       IYZ30C06
  Table Type.....       CFTABLE
  Dataset Name...       PAYROLL.IYZ30C06.01
  Enable Status..       ENABLED
  Open Status....       OPEN
  Record Size....       80
  CFDT Pool.....       TESTPOOL
  Table Name.....       TESTTABL

  Table Info.....
  Dataset Info...

```

Figure 16. The MCMDDT view

**Note:** Scroll to the right in the view to see the name of the data set associated with this data table file.

### Action commands

Table 27 shows the action commands you can issue from the MCMDDT view.

Table 27. MCMDDT view action commands

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| INIt            | n/a          | Initializes the CICSPlex SM statistics counters associated with the data table file to 0. |

Table 27. MCMDTD view action commands (continued)

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| REMove          | n/a          | Removes the data table file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 28 shows the hyperlink field for the MCMDTD view.

Table 28. MCMDTD view hyperlink field

| Hyperlink field | View displayed | Description  |
|-----------------|----------------|--|
| File ID         | CMDTD          | Detailed operations view of the specified data table file. |
| Table Info      | MCMDT2         | Detailed view of the specified data table file             |
| Data Set Info   | MCMDT3         | Detailed view of the specified data table file statistics  |

---

## MCMDTS – Monitor data tables summary

The MCMDTS view shows summarized information about monitored files that have CICS- or user-maintained data tables, or coupling facility data tables, associated with them. MCMDTS is a summary form of the MCMDT view.

### Availability

The MCMDTS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MCMDTS [file]

Where the parameters are the same as those for MCMDT on page “MCMDT command” on page 45.

**Select:** FILE from the MONITOR menu and MCMDTS from the FILE submenu.

**Summarize:** Issue the SUM display command from an MCMDT or MCMDTS view.

The MCMDTS view looks like the MCMDT view shown in Figure 15 on page 45 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MCMDTS view, you can hyperlink from the Count field to the MCMDT view to expand a line of summary data. The MCMDT view includes only those resources that were combined to form the specified summary line.

## MCMDT2 – Monitor data table details

The MCMDT2 view shows detailed information concerning the table component of a CICS- or user-maintained data table, or coupling facility data table.

### Availability

The MCMDT2 view is available for all managed CICS systems running CICS Transaction Server for OS/390, Version 1 Release 3 and later.

### Access

#### Issue command:

```
MCMDT2 file sysname
```

file is the name of a currently installed data table file that is being monitored.

sysname is the name of the CICS system where the data table file is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Table Info field of the MCMDDT view.

Figure 17 is an example of the MCMDT2 view.

```

27FEB2005 15:14:54 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
>W1 MCMDT===MCMDT2===EYUPLX01=EYUPLX01=27FEB2005==15:14:10====CPSM=====1
File ID..... MDRVC6AV CICS System... IYZ30C06 Table Type... CFTABLE
Time Opened... 13:58:27
Time Closed... 00:00:00 Other Table Req      0 Storage Usage..
                          Table Rewrites      0 Tot Stg Alloc.   N/A
Table Usage....          Table Deletes..      0 Tot Stg Used..   N/A
Max Num Recs..          5000 Tot API Req...      0 Entr Stg Allc.  N/A
Current Recs..          64 Tot TBL Req...      304 Entr Stg Used. N/A
Highest Recs..          64 Contentions...      0 Indx Stg Allc.  N/A
                          Indx Stg Used.     N/A
Table Reads...          Rates.....          Data Stg Allc.  N/A
Reads From Tbl          232 CS Read Rate..  0.0 Data Stg Used.  N/A
Record Not Fnd          8 MI Read Rate..  0.3
Read Retries..          N/A CS Update Rate  0.0
                          MI Update Rate  0.0
Table Adds.....          CS TBL Req....  0.1
Adds from Read          0 MI TBL Req....  0.4 Dataset Info...
Tbl Add Reqs..          64
Add Rej Exit..          0
Add Table Full          0

```

Figure 17. The MCMDT2 view

### Action commands

Table 29 shows the action commands you can issue from the MCMDT2 view.

Table 29. MCMDT2 view action commands

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| INIT            | n/a          | Initializes the CICSplex SM statistics counters associated with the data table file to 0. |



Table 29. MCMDT2 view action commands (continued)

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| REMove          | n/a          | Removes the data table file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 30 shows the hyperlink field for the MCMDT2 view.

Table 30. MCMDT2 view hyperlink field

| Hyperlink field | View displayed | Description   |
|-----------------|----------------|---|
| Data Set Info   | MCMDT3         | Detailed view of the specified data table statistics.   |
| File ID         | CMDTD          | Detailed view about a file that has a CICS- or user-maintained data table, or a coupling facility data table, associated with it. |

## MCMDT3 – Monitor data table statistics details

The MCMDT3 view shows statistical information concerning the data table component of a CICS- or user-maintained data table, or coupling facility data table.

### Availability

The MCMDT3 view is available for all managed CICS systems running CICS Transaction Server for OS/390, Version 1 Release 3 and later.

### Access

#### Issue command:

```
MCMDT3 file sysname
```

file is the name of a currently installed data table file that is being monitored.

sysname is the name of the CICS system where the data table file is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Data Set Info field of a MCMDTD or MCMDT2 view.

Figure 18 is an example of the MCMDT3 view.

```

27FEB2005 15:14:54 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
>W1 MCMDT====MCMDT3====EYUPLX01=EYUPLX01=27FEB2005==15:14:10====CPSM=====1
File ID.....      CFDT CICS System.... IYZ30C06 Table Type.... CFTABLE

Data set stats      IO Rate To Data
Add Requests..      0      EXCP VSAM Data      0
Browse Reqs..       0      CS EXCP Rate..      0.0
Delete Reqs..       0      MI EXCP Rate..      0.0
Get Requests..      0
Get Upd Reqs..      0      IO Rate to Indx
Update Reqs..       0      EXCP VSAM Index      0
                                CS EXCP Rate...      0.0
                                MI EXCP Rate...      0.0
String Usage..      0
Strings.....        4
Max Strg Wt..       0
Tot Strg Wt..       0
Active Strg..       0
String Waits..      0
Table Info.....

```

Figure 18. The MCMDT3 view

### Action commands

Table 31 shows the action commands you can issue from the MCMDT3 view.

Table 31. MCMDT3 view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INit            | n/a          | Initializes the CICSplex SM statistics counters associated with the data table file to 0.  |
| REMove          | n/a          | Removes the data table file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 32 shows the hyperlink field for the MCMDT3 view.

*Table 32. MCMDT3 view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>  |
|------------------------|-----------------------|---|
| Table Info             | MCMDT2                | Detailed view of information relating to the table component of a data table.   |
| File ID                | CMDTD                 | Detailed view about a file that has a CICS- or user-maintained data table, or a coupling facility data table, associated with it. |

## MLOCFILD – Monitor local file details

The MLOCFILD view shows detailed information about a monitored local file.

### Availability

The MLOCFILD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLOCFILD file sysname
```

file is the name of a currently installed local file that is being monitored.

sysname is the name of the CICS system where the file is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the File ID field of the MLOCFIELD view.

Figure 19 is an example of the MLOCFILD view.

```

27FEB2005 19:21:08 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
>W1 =MLOCFIELD=MLOCFILD=EYUPLX01=EYUPLX01=27FEB2005==19:21:03=CPSM=====1===
File ID.....      DFHCSD CICS System.... EYUMAS2A      Da
Access Method.     VSAM File Type..... NOTAPPLI Strings..... 3
Enabled Stat..     UNENABLED Object Type.... BASE String Wt Tot. 0
Open Status...     CLOSED Put Requests...   0 String Wt HC.. 0
Block Size....     N/A Bro Requests...      0 Activ String..  N/A
Record Size...     0 Bro Upd Requests       N/A ActString Wt.. N/A
Time Opened...     00:00:00 Local Deletes... 0 LSR Pool ID... 00
Time Closed...     00:00:00 Get Requests...   0 EXCP VSAM Data 0
# Data Buffers     N/A Update Requests.     0 CS EXCP Rate.. 0.0
# IDX Buffers.     N/A Total API Req...     0 MI EXCP Rate.. 0.0
                  CS API Req Rate.      0.0 CS EXCP Rate.. 0.0
                  MI API Req Rate.      0.0 MI EXCP Rate.. 0.0
                  RLS Req Wait TOS      N/A

```

Figure 19. The MLOCFILD view

**Note:** Scroll to the right in the view to see the name of the data set associated with this local file.

### Action commands

Table 33 shows the action commands you can issue from the MLOCFILD view.

Table 33. MLOCFILD view action commands

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| INIT            | n/a          | Initializes the CICSplex SM statistics counters associated with the local file to 0.  |
| REMOVE          | n/a          | Removes the local file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 34 shows the hyperlink field for the MLOCFILD view.

*Table 34. MLOCFILD view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>                                    |
|------------------------|-----------------------|---|
| File ID                | LOCFILED              | Detailed operations view of the specified local file. |

## MLOCFILE – Monitor local files

The MLOCFILE view shows general information about monitored local files.

### Availability

The MLOCFILE view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLOCFILE [file]
```

`file` is the specific or generic name of a currently installed local file that is being monitored. If you omit this parameter, the view includes information about all monitored local files within the current scope.

#### Select:

FILE from the MONITOR menu and MLOCFILE from the FILE submenu.

Figure 20 is an example of the MLOCFILE view.

```

27FEB2005 19:21:03 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MLOCFILE=====EYUPLX01=EYUPLX01=27FEB2005==19:21:03=CPSM=====7===
CMD File   CICS   -Data EXC Rate- -Indx EXC Rate- --Req Rate--
--- ID----- System--  Curr  Intv  Curr  Intv  Curr  Intv
DFHCSD    EYUMAS2A      0.0  0.0      0.0  0.0      0.0  0.0
DFHCSD    EYUMAS3A      0.0  0.0      0.0  0.0      0.0  0.0
DFHCSD    EYUMAS4A      0.0  0.0      0.0  0.0      0.0  0.0
EYUFIL01  EYUMAS4A      0.0  0.0      0.0  0.0      0.0  0.0
EYUFIL02  EYUMAS4A      0.0  0.0      0.0  0.0      0.0  0.0
EYUFIL03  EYUMAS4A      0.0  0.0      0.0  0.0      0.0  0.0
EYUFIL04  EYUMAS4A      0.0  0.0      0.0  0.0      0.0  0.0

```

Figure 20. The MLOCFILE view

### Action commands

Table 35 shows the action commands you can issue from the MLOCFILE view.

Table 35. MLOCFILE view action commands

| Primary command   | Line command | Description   |
|---|--------------|---|
| INit file sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a local file to 0.  |
| REMOve file sysname   | REM          | Removes a local file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <b>Where:</b><br><b>file</b> Is the specific or generic name of a monitored local file.<br><b>sysname</b> Is the specific or generic name of a CICS system. |              |   |

## Hyperlinks

Table 36 shows the hyperlink field for the MLOCFILE view.

*Table 36. MLOCFILE view hyperlink field*

| Hyperlink field | View displayed | Description                                |
|-----------------|----------------|--|
| File ID         | MLOCFILD       | Detailed view of the specified local file. |

**Note:** You can also display the MLOCFILS view by issuing the SUM display command.

## MLOCFILS – Monitor local files summary

The MLOCFILS view shows summarized information about monitored local files. MLOCFILS is a summary form of the MLOCFILE view.

### Availability

The MLOCFILS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MLOCFILS [file]

Where the parameters are the same as those for MLOCFILE on page 56.

**Select:** FILE from the MONITOR menu and MLOCFILS from the FILE submenu.

**Summarize:** Issue the SUM display command from an MLOCFILE or MLOCFILS view.

The MLOCFILS view looks like the MLOCFILE view shown in Figure 20 on page 56 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MLOCFILS view, you can hyperlink from the Count field to the MLOCFILE view to expand a line of summary data. The MLOCFILE view includes only those resources that were combined to form the specified summary line.



## MLSRPBUD – Monitor LSR pool buffer details

The MLSRPBUD view shows detailed information about the buffer size of an LSR pool within a monitored CICS system.

### Availability

The MLSRPBUD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLSRPBUD lsrpool buffsize D|I|B sysname
```

lsrpools a numeric value between 0 and 8 identifying an LSR pool.

buffersizes a numeric value indicating the buffer size.

D|I|B identifies the buffer type as data (D), index (I), or both (B).

sysnames the name of the CICS system where the LSR pool is located. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the LS ID field of the MLSRPBUF view.

Figure 21 is an example of the MLSRPBUD view.

```

27FEB2005 11:30:30 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MLSRPBUF=MLSRPBUD=EYUPLX01=EYUPLX01=27FEB2005==11:30:30=CPSM=====
Pool ID.....      1 CICS System.... CICS1234
Counts=====      Statistics=====      Rates=====
Buffer Size....    512 Buffer Reads...      12 Curr Write Rate.. 00:00:03.1
Buffer Use.....    DATA Lookasides....    12121 Intv Write Rate.. 00:00:02.4
Buffers.....      112 Buffer Writes..      12 Curr Read Rate... 00:00:85.4
Hiper Buffers..    64 Buffer UIWs....      31 Intv Read Rate... 00:00:40.2
Buffer Stg KB..    224 Hiper Reads....    1234 Curr Hread Rate.. 00:00:12.4
Hiper Stg KB...    8192 Hiper Read Err.    22 Intv Hread Rate.. 00:00:04.2
                                   Hiper Writes...      888 Curr Hwrite Rate. 00:00:04.2
                                   Hiper Writ Err.     22 Intv Hwrite Rate. 00:00:02.4

```

Figure 21. The MLSRPBUD view

### Action commands

Table 37 shows the action commands you can issue from the MLSRPBUD view.

Table 37. MLSRPBUD view action commands

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| INIt            | n/a          | Initializes the CICSplex SM statistics counters associated with the LSR pool to 0.  |
| REMOve          | n/a          | Removes the LSR pool from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

files – MLSRPBUD

## Hyperlinks

None.

## MLSRPBUF – Monitor LSR pool buffers

The MLSRPBUF view shows general information about buffer usage for LSR pools within monitored CICS systems. The information is shown by individual buffer size.

### Availability

The MLSRPBUF view is available for all managed CICS systems except CICS for Windows. .

### Access

#### Issue command:

```
MLSRPBUF [lsrpool [buffsize [D|I|B]]]
```

lsrpool is a numeric value between 0 and 8 identifying an LSR pool or \* for all LSR pools.

buffsize is a numeric value, indicating the buffer size, or \* for all buffer sizes.

D|I|B limits the view to data buffers (D), index buffers (I), or buffers that are both (B). If you omit this parameter, the view includes information about buffer usage for the LSR pool or pools, regardless of buffer type.

If you do not specify parameters, the view includes information about the buffer sizes and types for all LSR pools within the current scope.

**Select** GLOBAL from the MONITOR menu and MLSRPBUF from the GLOBAL submenu.

Figure 22 is an example of the MLSRPBUF view.

```

27FEB2005 11:30:30 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MLSRPBUF=====EYUPLX01==EYUPLX01==27FEB2005==11:30:30=CPSM=====
CMD LS U Buffer CICS  -Buff Reads- Hiper Reads -Buff Write- Hiper Writes
--- ID S Size-- System-- Curr Intv  Curr Intv  Curr Intv  Curr Intv
   1 D   512 CICSAB12 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4
   2 D  1024 CICSAB12 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4
   1 D  2048 CICSAB23 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4
   2 D 32768 CICSAB23 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4

```

Figure 22. The MLSRPBUF view

### Action commands

Table 38 shows the action commands you can issue from the MLSRPBUF view.

Table 38. MLSRPBUF view action commands

| Primary command                          | Line command | Description  |
|--|--------------|--|
| INI lsrpool buffsize<br>D I B sysname    | INI          | Initializes the CICSplex SM statistics counters associated with an LSR pool to 0.  |
| REMOve lsrpool<br>buffsize D I B sysname | REM          | Removes an LSR pool from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 38. MLSRPBUF view action commands (continued)

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| <b>Where:</b>   |              |  |
| <b>lsrpool</b>  |              | Is a numeric value between 0 and 8 that identifies an LSR pool or * for all LSR pools. |
| <b>buffsize</b> |              | Is a numeric value indicating the buffer size or * for all buffer sizes.               |
| <b>DIIIB</b>    |              | Is the type of usage the buffer gets (data, index, or both) or * for all types.        |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system.                                      |

## Hyperlinks

Table 39 shows the hyperlink field for the MLSRPBUF view.

Table 39. MLSRPBUF view hyperlink field

| Hyperlink field | View displayed | Description                              |
|-----------------|----------------|--|
| LS ID           | MLSRPBUD       | Detailed view of the specified LSR pool. |

**Note:** You can also display the MLSRPBUS view by issuing the SUM display command.

---

## MLSRPBUS – Monitor LSR pool buffers summary

The MLSRPBUS view shows summarized information about buffer usage for LSR pools within monitored CICS systems. MLSRPBUS is a summary form of the MLSRPBUF view.

### Availability

The MLSRPBUS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MLSRPBUS [lsrpool [buffsize [D|I|B]]]
```

Where the parameters are the same as those for MLSRPBUF on page 61.

**Select** GLOBAL from the MONITOR menu and MLSRPBUS from the GLOBAL submenu.

**Summarize:** Issue the SUM display command from an MLSRPBUF or MLSRPBUS view.

The MLSRPBUS view looks like the MLSRPBUF view shown in Figure 22 on page 61 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MLSRPBUS view, you can hyperlink from the Count field to the MLSRPBUF view to expand a line of summary data. The MLSRPBUF view includes only those resources that were combined to form the specified summary line.

## MLSRPOOD – Monitor LSR pool details

The MLSRPOOD view shows detailed information about an LSR pool within a monitored CICS system.

### Availability

The MLSRPOOD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLSRPOOD 1srpool sysname
```

1srpool is a numeric value between 0 and 8 that identifies an LSR pool.

sysname is the name of the CICS system where the LSR pool is located. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the ID field of the MLSRPOOL view.

Figure 23 is an example of the MLSRPOOD view.

```

27FEB2005 11:30:30 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> 1 ALT WIN ==>
W1 =MLSRPOOD=====EYUPLX01=EYUPLX01==27FEB2005==11:30:30=CPSM=====
Pool ID..... 1 CICS System.... CICS1234
Time Created... 12:00:00 Time Deleted... HH:MM:SS
Pool===== Data Buffers=== Index Buffers==
Number Strings. 12 Buffer Reads.. 12 Buffer Reads.. 12
String HWM.... 10 Buffer Writes.. 12 Buffer Writes.. 12
String Waits... 0 Buffer UIWs... 31 Buffer UIWs... 31
String Wt Peak. 0 Hiper Reads... 1234 Hiper Reads... 1234
Maximum Key Len 32 Hiper Read Err 22 Hiper Read Err 22
Tot Data Buff.. 112 Hiper Writes.. 888 Hiper Writes.. 888
Tot Data Hbuff. 64 Hiper Writ Err 22 Hiper Writ Err 22
Tot Indx Buff.. 64 CS Hit Rate... 34.3 CS Hit Rate... 34.3
Tot Indx Hbuff. 32 MI Hit Rate... 6.4 MI Hit Rate... 6.4
Data Lookaside. 12121 CS Write Rate. 17.2 CS Write Rate. 17.2
Indx Lookaside. 1111 MI Write Rate. 2.4 MI Write Rate. 2.4
Data Index Sep. XXXXXXXX CS Read Rate.. 85.4 CS Read Rate.. 85.4
MI Read Rate.. 40.2 MI Read Rate.. 40.2
CS Hread Rate. 12.4 CS Hread Rate. 12.4
MI Hread Rate. 4.2 MI Hread Rate. 4.2
CS Hwrit Rate. 4.2 CS Hwrit Rate. 4.2
MI Hwrit Rate. 2.4 MI Hwrit Rate. 2.4

```

Figure 23. The MLSRPOOD view

### Action commands

Table 40 shows the action commands you can issue from the MLSRPOOD view.

Table 40. MLSRPOOD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIt            | n/a          | Initializes the CICSplex SM statistics counters associated with the LSR pool to 0. |

Table 40. MLSRPOOD view action commands (continued)

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| REMove          | n/a          | Removes the LSR pool from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 41 shows the hyperlink fields for the MLSRPOOD view.

Table 41. MLSRPOOD view hyperlink field

| Hyperlink field               | View displayed | Description   |
|-------------------------------|----------------|---|
| Data Buffers<br>Index Buffers | MLSRPBUF       | General view of the buffer usage for this LSR pool. |

## MLSRPOOL – Monitor LSR pools

The MLSRPOOL view shows general information about LSR pools within monitored CICS systems.

### Availability

The MLSRPOOL view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLSRPOOL [lsrpool]
```

`lsrpool` is a numeric value between 0 and 8 that identifies an LSR pool. If you omit this parameter, the view includes information about all LSR pools within the current scope.

#### Select

GLOBAL from the MONITOR menu and MLSRPOOL from the GLOBAL submenu.

Figure 24 is an example of the MLSRPOOL view.

```

27FEB2005 11:30:30 ----- INFORMATION DISPLAY -----
COMMAND ==>                                     SCROLL ==> PAGE
CURR WIN ==> 1           ALT WIN ==>
W1 =MLSRPOOL=====EYUPLX01=EYUPLX01==27FEB2005==11:30:30=CPSM=====
CMD   CICS   -DBuf Hits- -DBuf Read- HDBuf Reads -DBuf Wrts- HDBuf Write
--- ID System-- Curr Intv Curr Intv Curr Intv Curr Intv Curr Intv
  1 CICSAB12 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4
  2 CICSAB12 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4
  1 CICSAB23 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4
  2 CICSAB23 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4 123.4

```

Figure 24. The MLSRPOOL view

### Action commands

Table 42 shows the action commands you can issue from the MLSRPOOL view.

Table 42. MLSRPOOL view action commands

| Primary command  | Line command | Description  |
|--|--------------|--|
| INI <code>lsrpool sysname</code>   | INI          | Initializes the CICSplex SM statistics counters associated with an LSR pool to 0.  |
| REMO <code>lsrpool sysname</code>  | REM          | Removes an LSR pool from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <b>Where:</b><br><b>lsrpool</b> Is a numeric value between 0 and 8 that identifies an LSR pool or * for all LSR pools.<br><b>sysname</b> Is the specific or generic name of a CICS system. |              |  |



## Hyperlinks

Table 43 shows the hyperlink field for the MLSRPOOL view.

*Table 43. MLSRPOOL view hyperlink field*

| Hyperlink field | View displayed | Description                              |
|-----------------|----------------|--|
| ID              | MLSRPOOD       | Detailed view of the specified LSR pool. |

**Note:** You can also display the MLSRPOOS view by issuing the SUM display command.

---

## MLSRPOOS – Monitor LSR pools summary

The MLSRPOOS view shows summarized information about LSR pools within monitored CICS systems. MLSRPOOS is a summary form of the MLSRPOOL view.

### Availability

The MLSRPOOS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MLSRPOOS [lsrpool]

Where the parameters are the same as those for MLSRPOOL on page 66.

**Select**

GLOBAL from the MONITOR menu and MLSRPOOS from the GLOBAL submenu.

**Summarize:**

Issue the SUM display command from an MLSRPOOL or MLSRPOOS view.

The MLSRPOOS view looks like the MLSRPOOL view shown in Figure 24 on page 66 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MLSRPOOS view, you can hyperlink from the Count field to the MLSRPOOL view to expand a line of summary data. The MLSRPOOL view includes only those resources that were combined to form the specified summary line.

## MREMFILD – Monitor remote file details

The MREMFILD view shows detailed information about a monitored remote file. Remote files are files that are defined to the local CICS system, but reside in another CICS system.

### Availability

The MREMFILD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MREMFILD file sysname
```

file is the name of a currently installed remote file that is being monitored.

sysname is the name of the local CICS system. The CICS system must be within the current scope.

#### Hyperlink from:

the File ID field of the MREMFILD view.

Figure 25 is an example of the MREMFILD view.

```

27FEB2005 19:34:54 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MREMFILD=====EYUPLX01=EYUPLX01=27FEB2005==19:34:54=CPSM=====1===
File ID..... EYUFIL01 CICS System.... EYUMAS2A
Remote Name.. EYUFIL01
Remote Sysid. 2A4A Add Requests...      0 Get Requests...      0
Total Request      0 Browse Requests    0 Get Upd Req...      0
CS Req Rate..     0.0 Remote Deletes.   0 Update Requests    0
PI Req Rate..     0.0

```

Figure 25. The MREMFILD view

### Action commands

Table 44 shows the action commands you can issue from the MREMFILD view.

Table 44. MREMFILD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIT            | n/a          | Initializes the CICSplex SM statistics counters associated with the remote file to 0.  |
| REMove          | n/a          | Removes the remote file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

### Hyperlinks

None.

## MREMFIL – Monitor remote files

The MREMFIL view shows general information about monitored remote files. Remote files are files that are defined to the local CICS system, but reside in another CICS system.

### Availability

The MREMFIL view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MREMFIL [file [rem-file]]
```

file is the specific or generic name of a currently installed remote file that is being monitored, or \* for all remote files.

rem-file is the specific or generic name of a remote file as known to the CICS system where the file resides. Use this parameter to find out what CICS systems have a particular file defined as remote and what names they know it by.

If you do not specify parameters, the view includes information about all monitored remote files within the current scope.

#### Select:

FILE from the MONITOR menu and MREMFIL from the FILE submenu.

Figure 26 is an example of the MREMFIL view.

```

27FEB2005 19:34:45 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MREMFIL=====EYUPLX01=EYUPLX01=27FEB2005==19:34:45=CPSM=====6===
CMD File      Remote  Rem   CICS   Total  -Req  Rate-
--- ID----- Name---- SysId System-- Requests Curr Intv
EYUFIL01 EYUFIL01 2A4A  EYUMAS2A    0  0.0  0.0
EYUFIL01 EYUFIL01 3A4A  EYUMAS3A    0  0.0  0.0
EYUFIL02 EYUFIL02 2A4A  EYUMAS2A    0  0.0  0.0
EYUFIL02 EYUFIL02 3A4A  EYUMAS3A    0  0.0  0.0
EYUFIL03 EYUFIL03 2A4A  EYUMAS2A    0  0.0  0.0
EYUFIL04 EYUFIL04 3A4A  EYUMAS3A    0  0.0  0.0

```

Figure 26. The MREMFIL view

### Action commands

Table 45 shows the action commands you can issue from the MREMFIL view.

Table 45. MREMFIL view action commands

| Primary command     | Line command | Description  |
|---------------------|--------------|--|
| INit file sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a remote file to 0.  |
| REMove file sysname | REM          | Removes a remote file from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 45. MREMFIL view action commands (continued)

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| <b>Where:</b>   |              |   |
| <b>file</b>     |              | Is the specific or generic name of a monitored remote file. |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system.           |

## Hyperlinks

Table 46 shows the hyperlink field for the MREMFIL view.

Table 46. MREMFIL view hyperlink field

| Hyperlink field | View displayed | Description                                 |
|-----------------|----------------|---|
| File ID         | MREMFIL        | Detailed view of the specified remote file. |

**Note:** You can also display the MREMFILS view by issuing the SUM display command.

## MREMFILS – Monitor remote files summary

The MREMFILS view shows summarized information about monitored remote files. MREMFILS is a summary form of the MREMFILS view.

### Availability

The MREMFILS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MREMFILS [file [rem-file]]

Where the parameters are the same as those for MREMFILS on page 70.

**Select:** FILE from the MONITOR menu and MREMFILS from the FILE submenu.

**Summarize:** Issue the SUM display command from an MREMFILS or MREMFILS view.

The MREMFILS view looks like the MREMFILS view shown in Figure 26 on page 70 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MREMFILS view, you can hyperlink from the Count field to the MREMFILS view to expand a line of summary data. The MREMFILS view includes only those resources that were combined to form the specified summary line.

---

## Chapter 7. Journals

The journal views provide information about journal models, system and general logs, and log streams within the current context and scope.

The journal monitor views are:

**MJRNLNM** A general view of monitored system and general logs

**MJRNLNMS** A summary view of monitored system and general logs

**Note:** Monitor data is available only for journals that are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of journal views, see the individual view descriptions.

## MJRNLNM – Monitor journal names

The MJRNLNM view shows general information about monitored system and general logs.

### Availability

The MJRNLNM view is available for all systems running the CICS Transaction Server for OS/390, Version 1 Release 3 and later.

### Access

**Issue command:**

```
MJRNLNM [journal]
```

journal is the 1 to 8 character name that identifies a monitored system or general log. If you omit this parameter, the view includes information about all monitored system or general logs within the current scope.

**Select:**

JOURNAL from the MONITOR menu and MJRNLNM from the JOURNAL submenu.

Figure 27 is an example of the MJRNLNM view.

```

27FEB2005 21:12:12 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> A
W1 =MJRNLNM=====EYUPLX01=EYUPLX01=27FEB2005==21:12:12=CPSM=====1===
CMD Journal CICS Type Numb Bytes Buff Logstream Name
----- System-- ----- Writ Written Flus -----
DFHLOG SYS42SM1 DUMMY 0 0 0
    
```

Figure 27. The MJRNLNM view

### Action commands

Table 47 show the action commands you can issue from the MJRNLNM view.

Table 47. MJRNLNM view action commands

| Primary command   | Line command | Description  |
|---|--------------|--|
| INI journal sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a system or general log to 0.  |
| REMOve journal sysname  | REM          | Removes a system or general log from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <p><b>Where:</b></p> <p><b>journal</b> Is the 1 to 8 character name that identifies a monitored system or general log, or * for all system or general logs.</p> <p><b>sysname</b> Is the specific or generic name of a CICS system.</p> |              |  |



## Hyperlinks

Table 48 shows the hyperlink field for the MJRNLNM view.

*Table 48. MJRNLNM view hyperlink field*

| Hyperlink field | View displayed | Description                      |
|-----------------|----------------|----------------------------------|
| Logstream Name  | STREAMNM       | General view of MVS log streams. |

**Note:** You can also display the MJRNLNMS view by issuing the SUM display command.

---

## MJRNLNMS – Monitor journal names summary

The MJRNLNMS view shows summarized information about monitored journals. MJRNLNMS is a summary form of the MJRNLNM view.

### Availability

The MJRNLNMS view is available for systems running CICS Transaction Server for OS/390, Version 1 Release 3 and later.

### Access

**Issue command:**

MJRNLNMS [journal]

Where the parameters are the same as those for MJRNLNM on page “MJRNLNM command” on page 74.

**Select:**

JOURNAL from the MONITOR menu and MJRNLNMS from the JOURNAL submenu.

**Summarize:**

Issue the SUM display command from an MJRNLNM or MJRNLNMS view.

The MJRNLNMS view looks like the MJRNLNM view shown in Figure 27 on page 74 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

Table 49 show the action commands you can issue from the MJRNLNMS view. These action commands affect all of the resources that were combined to form the summary line of data.

Table 49. MJRNLNMs view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| n/a             | INI          | Initializes the CICSplex SM statistics counters associated with a system or general log to 0.  |
| n/a             | REM          | Removes a system or general log from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

### Hyperlinks

From the MJRNLNMS view, you can hyperlink from the Count field to the MJRNLNM view to expand a line of summary data. The MJRNLNM view includes only those resources that were combined to form the specified summary line.

---

## Chapter 8. Programs

The program views show information about programs within the current context and scope.

The program monitor views are:

**MPROGRAD** A detailed view of a monitored program

**MPROGRAM** A general view of monitored programs

**MPROGRAS** A summary view of monitored programs

**Note:** This monitor data is available only for programs that are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of program views, see the individual view descriptions.

## MPROGRAD – Monitor program details

The MPROGRAD view shows detailed information about a monitored program.

### Availability

The MPROGRAD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MPROGRAD program sysname
```

program is the name of a currently installed program that is being monitored.

sysname is the name of the CICS system where the program is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Program Name field of the MPROGRAM view.

Figure 28 is an example of the MPROGRAD view.

```

27FEB2005 19:34:28 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MPROGRAM=MPROGRAD=EYUPLX01=EYUPLX01=27FEB2005==19:34:22=CPSM=====1===
Program Name... EYUPR001 CICS System... EYUMAS2A Fetch Count...      0
Program Length.      0 Newcopy Count..      0 Fetch Time.... 00:00:00.00
Usage..... PROGRAM Removed Count..      0 CS Avg Fetch... 00:00:00.00
Enabled Status. ENABLED Cur Use Count..      0 MI Avg Fetch... 00:00:00.00
Hold Status.... NOTAPPLI Use STAT Reset.      0 CS Reuse Pct...      0.0
Share Status... PRIVATE Total Use Count      0 MI Reuse Pct...      0.0
LPA/SVA Status. NOTAPPLI CS Use Rate....      0.0 Exec Access Key  USEREXEC
RPL ID Number..      0 MI Use Rate....      0.0
    
```

Figure 28. The MPROGRAD view

### Action commands

Table 50 shows the action commands you can issue from the MPROGRAD view.

Table 50. MPROGRAD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIT            | n/a          | Initializes the CICSplex SM statistics counters associated with the program to 0.  |
| REMOVE          | n/a          | Removes the program from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 51 shows the hyperlink fields for the MPROGRAD view.

*Table 51. MPROGRAD view hyperlink fields*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>   |
|------------------------|-----------------------|--|
| Program Name           | PROGRAMD              | Detailed operations view of the specified program.   |
| RPL ID Number          | RPLLISTD              | Detailed operations view of the DFHRPL data set concatenation for the specified CICS system. |

## MPROGRAM – Monitor programs

The MPROGRAM view shows general information about monitored programs.

### Availability

The MPROGRAM view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

MPROGRAM [program]

programs the specific or generic name of a currently installed program that is being monitored. If you omit this parameter, the view includes information about all monitored programs within the current scope.

#### Select

PROGRAM from the MONITOR menu and MPROGRAM from the PROGRAM submenu.

Figure 29 is an example of the MPROGRAM view.

```

27FEB2005 19:34:22 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MPROGRAM=====EYUPLX01=EYUPLX01=27FEB2005==19:34:22=CPSM=====66===
CMD Program CICS  Use  -Use Rate- Reuse Pct-  ---Average Fetch---
--- Name--- System-- Count-- Curr Intv Curr Intv Curr      Intv
EYUPR001 EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR001 EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR002 EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR002 EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR003 EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR003 EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR004 EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUPR004 EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUTXLPD EYUMAS2A    1  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUTXLPD EYUMAS3A    1  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUWLMVP EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYUWLMVP EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYU9CM01 EYUMAS2A    1  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYU9CM01 EYUMAS3A    1  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYU9DBG0 EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYU9DBG0 EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYU9DBUG EYUMAS2A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
EYU9DBUG EYUMAS3A    0  0.0  0.0  0.0  0.0 00:00:00.00 00:00:00.00
    
```

Figure 29. The MPROGRAM view

### Action commands

Table 52 shows the action commands you can issue from the MPROGRAM view.

Table 52. MPROGRAM view action commands

| Primary command        | Line command | Description  |
|------------------------|--------------|--|
| INIt program sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a program to 0.  |
| REMOve program sysname | REM          | Removes a program from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 52. MPROGRAM view action commands (continued)

| Primary command | Line command | Description                                       |
|-----------------|--------------|---|
| <b>Where:</b>   |              |   |
| <b>program</b>  |              |   |
|                 |              | Is the specific or generic name of a program.     |
| <b>sysname</b>  |              |   |
|                 |              | Is the specific or generic name of a CICS system. |

## Hyperlinks

Table 53 shows the hyperlink field for the MPROGRAM view.

Table 53. MPROGRAM view hyperlink field

| Hyperlink field | View displayed | Description                             |
|-----------------|----------------|---|
| Program Name    | MPROGRAD       | Detailed view of the specified program. |

**Note:** You can also display the MPROGRAS view by issuing the SUM display command.

## MPROGRAS – Monitor programs summary

The MPROGRAS view shows summarized information about monitored programs. MPROGRAS is a summary form of the MPROGRAM view.

### Availability

The MPROGRAS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MPROGRAS [program]

Where the parameters are the same as those for MPROGRAM on page 80.

**Select:** PROGRAM from the MONITOR menu and MPROGRAS from the PROGRAM submenu.

**Summarize:** Issue the SUM display command from an MPROGRAM or MPROGRAS view.

The MPROGRAS view looks like the MPROGRAM view shown in Figure 29 on page 80 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MPROGRAS view, you can hyperlink from the Count field to the MPROGRAM view to expand a line of summary data. The MPROGRAM view includes only those resources that were combined to form the specified summary line.



---

## Chapter 9. Temporary storage

The temporary storage views show information about temporary storage usage and temporary storage queues within the current context and scope.

The temporary storage monitor views are:

- |                 |   |
|-----------------|---|
| <b>MTSQGBL</b>  | A general view of temporary storage queue usage in monitored CICS systems   |
| <b>MTSQGBLD</b> | A detailed view of temporary storage queue usage in a monitored CICS system |
| <b>MTSQGBLS</b> | A summary view of temporary storage queue usage in monitored CICS systems   |

**Note:** This information is available only for CICS systems where global resources are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of the temporary storage queue views, see the individual view descriptions.

## MTSQGBL – Monitor temporary storage queue usage

The MTSQGBL view shows general information about temporary storage queue usage within monitored CICS systems.

### Availability

The MTSQGBL view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MTSQGBL

**Select:**

GLOBAL from the MONITOR menu and MTSQGBL from the GLOBAL submenu.

Figure 30 is an example of the MTSQGBL view.

```

27FEB2005 19:37:07 ----- INFORMATION DISPLAY -----
COMMAND ==>                                     SCROLL ==> PAGE
CURR WIN ==> 1          ALT WIN ==>
W1 =MTSQGBL=====EYUPLX01=EYUPLX01=27FEB2005==19:37:07=CPSM=====4===
CMD CICS  -PutQ Main- -GetQ Main- -ABuf Hit-  -ABuf Write- -ABuf Read-
--- System-- Curr Intv Curr Intv Curr Intv Curr Intv Curr Intv
EYUMAS1A  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
EYUMAS2A  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
EYUMAS3A  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
EYUMAS4A  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0
    
```

Figure 30. The MTSQGBL view

### Action commands

Table 54 shows the action commands you can issue from the MTSQGBL view.

Table 54. MTSQGBL view action commands

| Primary command   | Line command | Description  |
|---|--------------|--|
| INit sysname  | INI          | Initializes the CICSplex SM statistics counters associated with temporary storage queue usage to 0.  |
| REMove sysname  | REM          | Removes temporary storage queue usage from CICSplex SM monitoring for the current sample interval and discards the accumulated statistics. |
| <p><b>Where:</b><br/> <b>sysname</b><br/>                     Is the specific or generic name of a CICS system.</p> |              |  |

### Hyperlinks

Table 55 shows the hyperlink field for the MTSQGBL view.

Table 55. MTSQGBL view hyperlink field

| Hyperlink field | View displayed | Description  |
|-----------------|----------------|--|
| CICS System     | MTSQGBLD       | Detailed view of temporary storage usage within the specified CICS system. |

**Note:** You can also display the MTSQGBLS using the SUM display command.

## MTSQGBLD – Monitor temporary storage queue usage details

The MTSQGBLD view shows detailed information about temporary storage queue usage within a monitored CICS system.

### Availability

The MTSQGBLD view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MTSQGBLD sysname

sysnamels the name of a monitored CICS system within the current scope.

**Hyperlink from:**

the CICS System field of the MTSQGBL view.

Figure 31 is an example of the MTSQGBLD view.

```

27FEB2005 19:37:14 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MTSQGBL=MTSQGBLD=EYUPLX01=EYUPLX01=27FEB2005==19:37:14=CPSM=====1===
CICS System..... EYUMAS1A Tot Queue Creates      0 Aux Buffers..      8
PUT/PUTQ Main....      0 Peak Conc Queues.      6 Buffer Waits.      0
CS PUT Main Rate.      0.0 Que Ext Create...      0 Peak Buf Wait      0
MI PUT Main Rate.      0.0 Que Ext Threshold      4 Buffer Reads.      0
GET/GETQ Main....      0 Entries Large Que      0 CS Read Rate.      0.0
CS GET Main Rate.      0.0 Aux CI Size.....      4096 MI Read Rate.  0.0
MI GET Main Rate.      0.0 Num CIs in DS....      300 CS Hit Rate..   0.0
Peak Stg Main....      0 Peak CIs in Use..      2 MI Hit Rate..     0.0
PUT/PUTQ Aux.....      7 Aux Full Count...      0 Buffer Writes      0
CS PUT Aux Rate..      0.0 CS Aux Full %....      0.0 CS Write Rate   0.0
MI PUT Aux Rate..      0.0 MI Aux Full %....      0.0 MI Write Rate    0.0
GET/GETQ Aux.....      7 Aux Strings.....      5 Format Writes      0
CS GET Aux Rate..      0.0 Peak Strings Used      0 Write GT CI..     0
MI GET Aux Rate..      0.0 String Waits.....      0 Recovry Write     0
Aux DS IO Errors.      0 Peak String Waits      0 ShrPools Defd     0
                                           ShrPools Conn      0
                                           ShrRead Reqs.      0
                                           ShrWrit Reqs.      0
    
```

Figure 31. The MTSQGBLD view

### Action commands

Table 56 shows the action commands you can issue from the MTSQGBLD view.

Table 56. MTSQGBLD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INit            | N/A          | Initializes the CICSPlex SM statistics counters associated with temporary storage queue usage to 0.  |
| REMove          | N/A          | Removes temporary storage queue usage from CICSPlex SM monitoring for the current sample interval and discards the accumulated statistics. |

# Hyperlinks

None.

## MTSQGBLS – Monitor temporary storage queue usage summary

The MTSQGBLS view shows summarized information about temporary storage queue usage within monitored CICS systems. MTSQGBLS is a summary form of the MTSQGBL view.

### Availability

The MTSQGBLS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MTSQGBLS

**Select:** GLOBAL from the MONITOR menu and MTSQGBLS from the GLOBAL submenu.

**Summarize:** Issue the SUM display command from an MTSQGBL or MTSQGBLS view.

The MTSQGBLS view looks like the MTSQGBL view shown in Figure 30 on page 84 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MTSQGBLS view, you can hyperlink from the Count field to the MTSQGBL view to expand a line of summary data. The MTSQGBL view includes only those resources that were combined to form the specified summary line.

---

## Chapter 10. Terminals

The terminal views show information about the terminals within the current context and scope.

**Note:** The terminal views do not show information about, or let you issue commands against, LU 6.2 connections or modenames. For information on LU 6.2 connections or modenames, use the connection views, described in Chapter 3, “Connections,” on page 23.

The terminal monitor views are:

- MTERMNL**     A general view of monitored terminals
- MTERMNLD**   A detailed view of a monitored terminal
- MTERMNLS**   A summary view of monitored terminals

**Note:** This monitor data is available only for terminals that are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of terminal views, see the individual view descriptions.

## MTERMNL – Monitor terminals

The MTERMNL view shows general information about monitored terminals.

### Availability

The MTERMNL view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MTERMNL [terminal.]

terminal is the specific or generic name of a currently installed terminal that is being monitored, or \* for all monitored terminals.

If you do not specify the parameter, the view includes information about all monitored terminals within the current scope.

**Select:**

TERMINAL from the MONITOR menu and MTERMNL from the TERMINAL submenu.

Figure 32 is an example of the MTERMNL view.

```

27FEB2005 08:44:02 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MTERMNL=====EYUPLX01=EYUPLX01=27FEB2005==08:43:59=CPSM=====10===
CMD Term CICS   LuName  -Inp Msg Rate- -Out Msg Rate- -Tran Rate-
--- ID-- System-- ----- Curr   Intv Curr   Intv Curr   Intv
-990 EYUMASIA EYUMAS1B   0.0  0.0     0.0  0.0   0.0  0.0
-991 EYUMASIA EYUMAS1B   0.0  0.0     0.0  0.0   0.0  0.0
-992 EYUMASIA EYUMAS1B   0.0  0.0     0.0  0.0   0.0  0.0
-993 EYUMASIA EYUMAS1B   0.0  0.0     0.0  0.0   0.0  0.0
-994 EYUMASIA EYUMAS1B   0.0  0.0     0.0  0.0   0.0  0.0
-995 EYUMASIA EYUMAS1B   0.0  0.0     0.0  0.0   0.0  0.0
    
```

Figure 32. The MTERMNL view

### Action commands

Table 57 shows the action commands you can issue from the MTERMNL view.

Table 57. MTERMNL view action commands

| Primary command  | Line command | Description   |
|--|--------------|---|
| INI terminal sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a terminal to 0.  |
| REMOve terminal sysname  | REM          | Removes a terminal from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <p><b>Where:</b></p> <p><b>terminal</b><br/>Is the specific or generic name of a terminal.</p> <p><b>sysname</b><br/>Is the specific or generic name of a CICS system.</p> |              |   |



## Hyperlinks

Table 58 shows the hyperlink field for the MTERMNL view.

*Table 58. MTERMNL view hyperlink field*

| Hyperlink field | View displayed | Description                              |
|-----------------|----------------|--|
| Term ID         | MTERMNLD       | Detailed view of the specified terminal. |

**Note:** You can also display the MTERMNLS view by issuing the SUM display command.

## MTERMNLD – Monitor terminal details

The MTERMNLD view shows detailed information about a monitored terminal.

### Availability

The MTERMNLD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MTERMNLD terminal sysname
```

terminal is the name of a currently installed terminal that is being monitored.

sysname is the name of the CICS system where the terminal is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Term ID field of the MTERMNL view.

Figure 33 is an example of the MTERMNLD view.

```

27FEB2005 08:44:06 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MTERMNL=MTERMNLD=EYUPLX01=EYUPLX01=27FEB2005==08:43:59=CPSM=====1===
Terminal ID...   -990 CICS System...  EYUMAS1A Input Messages..      2
Device Type...  LUTYPE6 Polls.....    0 CS Inp Msg Rate.      0.0
LuName.....    EYUMAS1B Pipeline Msgs. 0 PI Inp Msg Rate.      0.0
Acquired Status AQUIRED Pipeline Grps. 0 Output Messages.      0
Service Status INSERVIC Max Pipelines. 0 CS Out Msg Rate.      0.0
Remote Name...  Stg Violations                      0 PI Out Msg Rate.      0.0
Remote SysId..  1A1B Transmit Error                  0 Transactions....      0
TIOA Storage..  0 Transact Error                      0
    
```

Figure 33. The MTERMNLD view

### Action commands

Table 59 shows the action commands you can issue from the MTERMNLD view.

Table 59. MTERMNLD view action commands

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| INIT            | n/a          | Initializes the CICSplex SM statistics counters associated with the terminal to 0.  |
| REMOVe          | n/a          | Removes the terminal from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 60 shows the hyperlink field for the MTERMNLD view.

*Table 60. MTERMNLD view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>                                  |
|------------------------|-----------------------|---|
| Terminal ID            | TERMNLD               | Detailed operations view of the specified terminal. |

## MTERMNLS – Monitor terminals summary

The MTERMNLS view shows summarized information about monitored terminals. MTERMNLS is a summary form of the MTERMNL view.

### Availability

The MTERMNLS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MTERMNLS [terminal]

Where the parameter is the same as for MTERMNL on page 90.

**Select:** TERMINAL from the MONITOR menu and MTERMNLS from the TERMINAL submenu.

**Summarize:** Issue the SUM display command from an MTERMNL or MTERMNLS view.

The MTERMNLS view looks like the MTERMNL view shown in Figure 32 on page 90 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MTERMNLS view, you can hyperlink from the Count field to the MTERMNL view to expand a line of summary data. The MTERMNL view includes only those resources that were combined to form the specified summary line.

---

## Chapter 11. Transactions

The transaction views show information about CICS and user-defined transactions within the current context and scope.

The transaction monitor views are:

|                 |  |
|-----------------|--|
| <b>MLOCTRAD</b> | A detailed view of a monitored local transaction                           |
| <b>MLOCTRAN</b> | A general view of monitored local transactions                             |
| <b>MLOCTRAS</b> | A summary view of monitored local transactions                             |
| <b>MLOCTRA2</b> | A detailed view of monitor information for a local transaction             |
| <b>MLOCTRA3</b> | An additional detailed view of monitor information for a local transaction |
| <b>MLOCTRA4</b> | An additional detailed view of monitor information for a local transaction |
| <b>MREMTRAD</b> | A detailed view of monitored remote transactions                           |
| <b>MREMTRAN</b> | A general view of monitored remote transactions                            |
| <b>MREMTRAS</b> | A summary view of monitored remote transactions                            |

**Note:** This monitor data is available only for transactions that are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

The transaction views are available for all managed CICS systems.

## MLOCTRAD – Monitor local transaction details

The MLOCTRAD view shows detailed information about a monitored local transaction.

### Availability

The MLOCTRAD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLOCTRAD tran sysname
```

trans is the name of a currently installed local transaction that is being monitored.

sysname is the name of the CICS system where the transaction is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Tran ID field of the MLOCTRAN view.

Figure 34 is an example of the MLOCTRAD view.

```

15SEP1998 10:38:45 ----- INFORMATION DISPLAY --
CURR WIN ==> 1      ALT WIN ==>
W1 =MLOCTRAN=MLOCTRAD=PDPLEX===PDPLEX===15SEP1998==10:38:25====CPSM=====1=
Tran ID.....      CEMT CICS System...  CVMPDM0 Remote Sysid..
Use Count.....      1 First Program..  DFHEMTP FC Reqs.....  4541
CS Tran Rate...     0.0 Task Priority..  255 TD Reqs.....     44
MI Tran Rate...     0.0 Tran Class.....  DFHTCL00 TS Reqs.....  0
Total Response. 00:00:14.4 Local Dyn Cnt..  0 BMS Reqs.....     0
CS Avg Response 00:00:00.0 Restart Cnt...  0 TC Msg Out....     4
MI Avg Response 00:00:14.4 Remote Dyn Cnt.  0 TC Msg In.....     4
Total CPU Time.  00:00:01.0 Rem Start Cnt..  0 PC Reqs.....       0
CS Avg CPU Time 00:00:00.0 Stg Viol Cnt...  0 JC Reqs.....     6360
MI Avg CPU Time 00:00:01.0 IC Strt & Init.  0 IC Reqs.....       0
Suspend Cnt...     154 Suspend Time... 00:00:12.7 Syncpoint Req.  0
Dispatch Cnt...    154 Dispatch Time.. 00:00:00.0 Terminal Stor.  N/A
Disp Wait Cnt..    153 Disp Wait Time. 00:00:00.0 Pgm stg < 16M.  0
Excpt Wait Cnt.     0 Excpt Wait Time 00:00:00.0 Pgm stg > 16M.  0
IRC Wait Cnt...     0 IRC Wait Time.. 00:00:00.0 R/O Stg < 16M.  0
TC IO Wait Cnt.     3 TC IO Wait Time 00:00:12.1 Share Stg >16M  0
FC IO Wait Cnt.    23 FC IO Wait Time 00:00:00.0 Share Stg <16M  0
JC IO Wait Cnt.     0 JC IO Wait Time 00:00:00.0 Totl FEPI Req.  0
TD IO Wait Cnt.     0 TD IO Wait Time 00:00:00.0
TS IO Wait Cnt.     0 TS IO Wait Time 00:00:00.0 More Data.....
    
```

Figure 34. The MLOCTRAD view

#### Notes:

- Most of the data shown in this view is available only if you have CICS monitoring turned on and are collecting performance class data. For details on the CICS monitoring facility (CMF), see the *CICS/ESA Performance Guide*.  
You can choose to collect CMF data for use by CICSplex SM, but not have it written to an SMF data set. For information on suppressing CMF records, see the discussion of CICSplex SM system parameters in *CICS Transaction Server for z/OS Installation Guide*.
- For MONITOR views, the CICSplex SM statistics counters are normally reset at the end of the user-defined monitor interval. In the MLOCTRAD view, however,

the counters for certain fields are reset as part of the CICSplex SM end of transaction processing. The fields Total Response, Local Dyn Cnt, and BMS Reqs, and all of the fields that appear below those fields are reset by the end of transaction processing.

## Action commands

Table 61 shows the action commands you can issue from the MLOCTRAD view.

Table 61. MLOCTRAD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INI             | n/a          | Initializes the CICSplex SM statistics counters associated with the local transaction to 0.  |
| REMove          | n/a          | Removes the local transaction from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 62 shows the hyperlink fields for the MLOCTRAD view.

Table 62. MLOCTRAD view hyperlink field

| Hyperlink field | View displayed | Description  |
|-----------------|----------------|--|
| Tran ID         | LOCTRAND       | Detailed operations view of the specified transaction.                 |
| Totl FEPI Req   | MLOCTRA2       | Detailed monitor view of status information for a local transaction.   |
| More Data       | MLOCTRA3       | Additional monitor view of status information for a local transaction. |

## MLOCTRAN – Monitor local transactions

The MLOCTRAN view shows general information about monitored local transactions. Information about dynamic transactions that are running locally is also included in the view.

**Note:** In order to alter performance record processing for long running task (LRT)s, CICS/ESA 4.1 has added parameters for the SIT (MCONV, MNFREQ, and MNSYNC), and new operands for the SET MONITOR command (CONVERSEST, FREQUENCY, FREQUENCYHRS, FREQUENCYMIN, FREQUENCYSEC, and SYNCPOINTST). These changes may result in performance records being written for a task before it ends. If these options are used, CICSplex SM reports the occurrence of these multiple performance records as being multiple executions of the transaction under which the task is being executed.

### Availability

The MLOCTRAN view is available for all managed CICS systems.

### Access

**Issue command:**

MLOCTRAN [tran]

tran is the specific or generic name of a currently installed local transaction that is being monitored. If you omit this parameter, the view includes information about all monitored transactions within the current scope.

**Select:**

TRANS from the MONITOR menu and MLOCTRAN from the TRANS submenu.

Figure 35 is an example of the MLOCTRAN view.

```

27FEB2005 19:21:21 ----- INFORMATION DISPLAY -----
COMMAND ==>>
CURR WIN ==>> 1          ALT WIN ==>>
>W1 =MLOCTRAN=====EYUPLX01=EYUPLX01=27FEB2005==19:21:21=CPSM=====82===
CMD Tran CICS      Use      -Tran      Resp-      -Tran Rate- --Average CPU Tim
--- ID-- System-- Count--- Curr      Intv      Curr Intv Curr      Intv
CEMT EYUMAS1A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
CODB EYUMAS1A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
CODB EYUMAS2A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
CODB EYUMAS3A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
CODB EYUMAS4A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD0 EYUMAS1A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD0 EYUMAS2A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD0 EYUMAS3A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD0 EYUMAS4A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD1 EYUMAS1A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD1 EYUMAS2A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD1 EYUMAS3A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD1 EYUMAS4A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD2 EYUMAS1A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD2 EYUMAS2A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD2 EYUMAS3A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COD2 EYUMAS4A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0
COIE EYUMAS1A      0 00:00:00.0 00:00:00.0 0.0 0.0 00:00:00.0 00:00:0

```

Figure 35. The MLOCTRAN view



## Action commands

Table 63 shows the action commands you can issue from the MLOCTRAN view.

Table 63. MLOCTRAN view action commands

| Primary command  | Line command | Description  |
|--|--------------|--|
| INIt tran sysname  | INI          | Initializes the CICSplex SM statistics counters associated with a local transaction to 0.  |
| REMOve tran sysname  | REM          | Removes a local transaction from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <b>Where:</b><br><b>tran</b> Is the specific or generic name of a monitored transaction.<br><b>sysname</b> Is the specific or generic name of a CICS system. |              |  |

## Hyperlinks

Table 64 shows the hyperlink field for the MLOCTRAN view.

Table 64. MLOCTRAN view hyperlink field

| Hyperlink field | View displayed | Description                                       |
|-----------------|----------------|---|
| Tran ID         | MLOCTRAD       | Detailed view of the specified local transaction. |

**Note:** You can also display the MLOCTRAS view by issuing the SUM display command.

## MLOCTRAS – Monitor local transactions summary

The MLOCTRAS view shows summarized information about monitored local transactions. MLOCTRAS is a summary form of the MLOCTRAN view.

### Availability

The MLOCTRAS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MLOCTRAS [tran]

Where the parameters are the same as those for MLOCTRAN on page 98.

**Select:** TRANS from the MONITOR menu and MLOCTRAS from the TRANS submenu.

**Summarize:** Issue the SUM display command from an MLOCTRAN or MLOCTRAS view.

The MLOCTRAS view looks like the MLOCTRAN view shown in Figure 35 on page 98 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MLOCTRAS view, you can hyperlink from the Count field to the MLOCTRAN view to expand a line of summary data. The MLOCTRAN view includes only those resources that were combined to form the specified summary line.

## MLOCTRA2 – Monitor local transaction FEPI details

The MLOCTRA2 view shows detailed monitor information about a local transaction.

### Availability

The MLOCTRA2 view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MLOCTRA2 tran sysname
```

trans is the name of a currently installed local transaction that is being monitored.

sysname is the name of the CICS system where the transaction is installed. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Totl FEPI Req field of the MLOCTRAD view.

Figure 36 is an example of the MLOCTRA2 view.

```

15SEP1998 10:39:42 ----- INFORMATION DISPLAY --
CURR WIN ==> 1      ALT WIN ==>
W1 =MLOCTRAN=MLOCTRA2=PDPLEX===PDPLEX===15SEP1998==10:38:25====CPSM=====1=
Tran ID.....      CEMT CICS System...  CVMPPDM0
FEPI Stats.....    Dispatch Delay. 00:00:00.0 LU61 Wait.... 00:00:00.0
Allocates.....    0 TClass Delay... 00:00:00.0 LU62 Wait.... 00:00:00.0
Receives.....    0 MXT Delay..... 00:00:00.0 LU62 2ndary..
Sends.....        0 KC Enq Delay... 00:00:00.0 TC Msgs In.      0
Starts.....        0 Indbt Wait Cnt.    0 TC Msgs Out      0
Chars Sent....    0 Action Mismatch    0 TC Char In.      0
Chars Received    0 FORCE ACTION-..    TC Char Out       0
Alloc TimeOuts    0 Due To Trndef.     0 RMI Suspnd Tm 00:00:00.0
Recv TimeOuts    0 Due To Indoubt     0 RMI Elpsd Tm. 00:00:00.0
Total Requests    0 Due To No Wait     0 Perf Rec Cnt.   0
Suspend Time.. 00:00:00.0 Due To Oper...    0 Jrn1 Wrte Cnt   0
Shr Stor < 16M.    Due To Other..    0 Log Wrt Count   0
Getmain.....      0 Link URM Count.   0 PC DPL cnt...   0
Getmain Byte..    0                      S.by encrypt      0
Freemain Byte.    0                      S.by decrypt      0
Shr Stor > 16M.
Getmain.....      0
Getmain Byte..    0
Freemain Byte.    0
More Data....

```

Figure 36. The MLOCTRA2 view

**Note:** Most of the data shown in this view is available only if you have CICS monitoring turned on and are collecting performance class data. For details on the CICS monitoring facility (CMF), see the *CICS/ESA Performance Guide*.

You can choose to collect CMF data for use by CICSplex SM, but not have it written to an SMF data set. For information on suppressing CMF records, see the discussion of CICSplex SM system parameters in *CICS Transaction Server for z/OS Installation Guide*.

## Action commands

Table 65 shows the action commands you can issue from the MLOCTRA2 view.

*Table 65. MLOCTRA2 view action commands*

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INI             | n/a          | Initializes the CICSPlex SM statistics counters associated with the local transaction to 0.  |
| REMove          | n/a          | Removes the local transaction from CICSPlex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

Table 66 shows the hyperlink field for the MLOCTRA2 view.

*Table 66. MLOCTRA2 view hyperlink field*

| Hyperlink field | View displayed | Description                                       |
|-----------------|----------------|---|
| More Data       | MLOCTRA3       | Detailed monitor view of FEPI status information. |

## MLOCTRA3 – Monitor local transaction extra data

The MLOCTRA3 view shows detailed information about a local transaction, additional to the details shown in the MLOCTRA2 view.

### Availability

The MLOCTRA3 view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MLOCTRA3 tran sysname

tran is the name of a currently installed local transaction that is being monitored.

sysname is the name of the CICS system where the transaction is installed. The CICS system must be a monitored system within the current scope.

**Hyperlink from:**

The More Data field of the MLOCTRAD view or the More Data field of the MLOCTRA2 view.

Figure 37 is an example of the MLOCTRA3 view.

```

15SEP1998 10:38:57 ----- INFORMATION DISPLAY --
CURR WIN ==> 1      ALT WIN ==>
W1 =MLOCTRAN=MLOCTRA3=PDPLEX==PDPLEX===15SEP1998==10:38:25====CPSM=====1=
Tran ID.....      CEMT CICS System...  CVMPDM0 Proc/Act Requests==
Syncpoint Cnt.    0 Syncpoint Wait 00:00:00.0 Run Proc/Act sync.  0
RLS Wait Cnt..    0 RLS I/O wait.. 00:00:00.0 Run Proc/Act async  0
RLS SRB Reqs..    0 RLS CPU time.. 00:00:00.0 Link Proc/Act.....  0
Lock Mgr Waits    0 Lock Mgr Time. 00:00:00.0 Suspend Proc/Act..  0
External Waits    0 External Time. 00:00:00.0 Resume Proc/Act...  0
CICS Waits....    0 CICS Wait Time 00:00:00.0 Del/Can Proc/Act..  0
Int Ctl Waits..    0 Int Ctl Time.. 00:00:00.0 Define Process....  0
Give Up Waits..    0 Give Up Time.. 00:00:00.0 Define Activity...  0
Shd TS Waits..    0 Shd TS Time... 00:00:00.0 Acquire Pro/Act...  0
CFDT Waits....    0 CFDT Time.... 00:00:00.0 Reset Pro/Act.....  0
SrvSp Waits...    0 SrvSp Time.... 00:00:00.0 Total.....          0
Run Txn Waits..    0 Run Txn Time.. 00:00:00.0 Container Requests=
Sync Dly waits    0 Sync Dly Time. 00:00:00.0 Process.....        0
Glbl ENQ wait. 00:00:00.0 Glbl ENQ cnt..    0 Activity.....        0
Skts I/O wait. 00:00:00.0 Skts I/O cnt..    0 Total.....          0
RRMS Syn dly.. 00:00:00.0 RRMS Syn cnt..    0 Event Requests====
Ret/Reattach..... 0
Define Input.....  0
Timer Requests...  0
Total.....          0
More Data.....
    
```

Figure 37. The MLOCTRA3 view

**Note:** Most of the data shown in this view is available only if you have CICS monitoring turned on and are collecting performance class data. For details on the CICS monitoring facility (CMF), see the *CICS/ESA Performance Guide*.

You can choose to collect CMF data for use by CICSplex SM, but not have it written to an SMF data set. For information on suppressing CMF records, see the discussion of CICSplex SM system parameters in *CICS Transaction Server for z/OS Installation Guide*.

## transactions – MLOCTRA3

### Action commands

None.

### Hyperlinks

Table 67 shows the hyperlink field for the MLOCTRA3 view.

*Table 67. MLOCTRA3 view hyperlink field*

| <b>Hyperlink field</b> | <b>View displayed</b> | <b>Description</b>                                       |
|------------------------|-----------------------|--|
| More Data              | MLOCTRA4              | Additional status information for the local transaction. |

## MLOCTRA4 – Monitor local transaction extra data

The MLOCTRA4 view shows detailed information about a local transaction, additional to the details shown in the MLOCTRA2 and MLOCTRA3 views.

### Availability

The MLOCTRA4 view is available for all managed CICS systems except CICS for Windows.

### Access

#### Hyperlink from:

The More Data field of the MLOCTRAD view, the second More Data field of the MLOCTRA2 view, or the More Data field of the MLOCTRA3 view.

Figure 38 is an example of the MLOCTRA4 view.

```

15SEP1998 10:39:09 ----- INFORMATION DISPLAY --
CURR WIN ==> 1      ALT WIN ==>
W1 =MLOCTRA=MLOCTRA4=PDPLEX==PDPLEX==15SEP1998==10:38:25====CPSM=====1=
Tran ID.....      CEMT CICS System.....  CVMPDM0
WEB Requests==
Receives.....      0 ChngMode Reqs...      0
Chars Rcvd...      0 TCB Att. Reqs...      0
Sends.....         0
Chars sent...      0 Max Open TCB tm. 00:00:00.0 Max Open TCB cnt.  0
Repos Writes.      0 QR Mode Delay... 00:00:00.0 QR Mode Delay cnt  0
Total.....         0 QR Dispatch time 00:00:00.0 QR Dispatch cnt..  0
Document Reqs=      QR CPU time..... 00:00:00.0 QR CPU count....  0
Creates.....       0 Misc Dispatch tm 00:00:00.0 Misc Dispatch cnt  0
Inserts.....       0 Misc CPU time... 00:00:00.0 Misc CPU count...  0
Sets.....          0 L8 CPU time.... 00:00:00.0 L8 CPU count....  0
Retrieves...       0 J8 CPU time.... 00:00:00.0 J8 CPU count....  0
Doc Length...      0 S8 CPU time.... 00:00:00.0 S8 CPU count....  0
Total.....         0 DB2 Conn wait tm 00:00:00.0 DB2 Conn wait cnt  0
Database Reqs=      DB2 RdyQ wait tm 00:00:00.0 DB2 RdyQ wait cnt  0
DB2 Requests..     0 DB2 Req wait tm. 00:00:00.0 DB2 Req wait cnt.  0
IMS Requests..     0 IMS DB wait tm.. 00:00:00.0 IMS DB wait cnt..  0
                   JVM Elapsed tm.. 00:00:00.0 JVM Elapsed cnt..  0
                   JVM Suspend tm.. 00:00:00.0 JVM Suspend cnt..  0
    
```

Figure 38. The MLOCTRA4 view

**Note:** Most of the data shown in this view is available only if you have CICS monitoring turned on and are collecting performance class data. For details on the CICS monitoring facility (CMF), see the *CICS/ESA Performance Guide*.

You can choose to collect CMF data for use by CICSplex SM, but not have it written to an SMF data set. For information on suppressing CMF records, see the discussion of CICSplex SM system parameters in *CICS Transaction Server for z/OS Installation Guide*.

### Action commands

None.

### Hyperlinks

None.

## MREMTRAD – Monitor remote transaction details

The MREMTRAD view shows detailed information about a monitored remote transaction.

### Availability

The MREMTRAD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

```
MREMTRAD tran rem-tran sysname
```

tran is the name of a currently installed remote transaction that is being monitored.

rem-tran is the remote name of a currently installed remote transaction that is being monitored.

sysname is the name of the local CICS system. The CICS system must be a monitored system within the current scope.

#### Hyperlink from:

the Tran ID field of the MREMTRAN view.

Figure 39 is an example of the MREMTRAD view.

```

27FEB2005 19:35:30 ----- INFORMATION DISPLAY -----
COMMAND ==> SCROLL ==> PAGE
CURR WIN ==> 1 ALT WIN ==>
W1 =MREMTRAN=MREMTRAD=EYUPLX01=EYUPLX01=27FEB2005==19:35:24=CPSM=====1===
Tran ID..... ET03
CICS System.. EYUMAS1A
Tran Class... 00
Remote Name.. ET03
Remote System 1A2A
Rem Start Cnt N/A
Times Dynamic 0
Use Count.... 0
Cur Tran Rate 0.0
Cur Tran Intv 0.0
Response Time 00:00:00
Avg Resp Time 00:00:00
Avg Resp Intv 00:00:00
IRC IO Time.. 00:00:00
    
```

Figure 39. The MREMTRAD view

**Note:** Most of the data shown in this view is available only if you have CICS monitoring turned on and are collecting performance class data. For details on the CICS monitoring facility, see the *CICS/ESA Performance Guide*.

You can choose to collect CMF data for use by CICSplex SM, but not have it written to an SMF data set. For information on suppressing CMF records, see the discussion of CICSplex SM system parameters in *CICS Transaction Server for z/OS Installation Guide*.

### Action commands

Table 68 on page 107 shows the action commands you can issue from the MREMTRAD view.



Table 68. MREMTRAD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INI             | n/a          | Initializes the CICSPlex SM statistics counters associated with the local transaction to 0.  |
| REMove          | n/a          | Removes the local transaction from CICSPlex SM monitoring for the current sample interval and discards its accumulated statistics. |

## Hyperlinks

None.

## MREMTRAN – Monitor remote transactions

The MREMTRAN view shows general information about monitored remote transactions. Remote transactions are transactions that are defined to the local CICS system, but reside in another CICS system. For a dynamic transaction, the remote name and system ID reflect where the transaction is running.

**Note:** In order to alter performance record processing for long-running tasks, CICS/ESA 4.1 has added parameters for the SIT (MCONV, MNFREQ, and MNSYNC), and new operands for the SET MONITOR command (CONVERSEST, FREQUENCY, FREQUENCYHRS, FREQUENCYMIN, FREQUENCYSEC, and SYNCPOINTST). These changes may result in performance records being written for a task before it ends. If these options are used, CICSplex SM reports the occurrence of these multiple performance records as being multiple executions of the transaction under which the task is being executed.

### Availability

The MREMTRAN view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MREMTRAN [tran [rem-tran]]
```

tran is the specific or generic name of a currently installed remote transaction that is being monitored, or \* for all monitored remote transactions.

rem-tran is the specific or generic name of a remote transaction as known to the CICS system where the transaction resides. Use this parameter to find out what CICS systems have a particular transaction defined as remote and what names they know it by.

If you do not specify parameters, the view includes information about all monitored remote transactions within the current scope.

**Select:** TRANS from the MONITOR menu and MREMTRAN from the TRANS submenu.

Figure 40 is an example of the MREMTRAN view.

```

27FEB2005 19:35:24 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
W1 =MREMTRAN=====EYUPLX01=EYUPLX01=27FEB2005==19:35:24=CPSM=====2===
CMD Tran Rem CICS  Rem Use  -Tran  Resp-  -Tran Rate- IRC IO Tim
--- ID-- Name System-- Sys Count--- Curr  Intv  Curr Intv Time--- Dyn
  ET03 ET03 EYUMAS1A 1A2A    0 00:00:00 00:00:00  0.0  0.0 00:00:00
  ET04 ET04 EYUMAS1A 1A3A    0 00:00:00 00:00:00  0.0  0.0 00:00:00
    
```

Figure 40. The MREMTRAN view

### Action commands

Table 69 on page 109 shows the action commands you can issue from the MREMTRAN view.

Table 69. MREMTRAN view action commands

| Primary command   | Line command | Description   |
|---|--------------|---|
| INItran rem-tran<br>sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a remote transaction to 0.  |
| REMove tran rem-tran<br>sysname   | REM          | Removes a remote transaction from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <p><b>Where:</b></p> <p><b>tran</b> Is the specific or generic name of a transaction as defined to the local CICS system.</p> <p><b>rem-tran</b> Is the specific or generic remote name of a transaction.</p> <p><b>sysname</b> Is the specific or generic name of a CICS system.</p> |              |   |

## Hyperlinks

Table 70 shows the hyperlink field for the MREMTRAN view.

Table 70. MREMTRAN view hyperlink field

| Hyperlink field | View displayed | Description   |
|-----------------|----------------|---|
| Tran ID         | MREMTRAD       | Detailed operations view of the specified remote transaction. |

**Note:** You can also display the MREMTRAS view by issuing the SUM display command.

## MREMTRAS – Monitor remote transactions summary

The MREMTRAS view shows summarized information about monitored remote transactions. MREMTRAS is a summary form of the MREMTRAN view.

### Availability

The MREMTRAS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MREMTRAS [tran [rem-tran]]
```

Where the parameters are the same as those for MREMTRAN on page 108.

**Select:** TRANS from the MONITOR menu and MREMTRAS from the TRANS submenu.

**Summarize:** Issue the SUM display command from an MREMTRAN or MREMTRAS view.

The MREMTRAS view looks like the MREMTRAN view shown in Figure 40 on page 108 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MREMTRAS view, you can hyperlink from the Count field to the MREMTRAN view to expand a line of summary data. The MREMTRAN view includes only those resources that were combined to form the specified summary line.

---

## Chapter 12. Transient data queues

The transient data queue (TDQ) views show information about extrapartition, intrapartition, indirect, and remote transient data queues within the current context and scope.

The transient data queue monitor views are:

|                 |   |
|-----------------|---|
| <b>MINDTDQ</b>  | A general view of monitored indirect transient data queues                              |
| <b>MINDTDQS</b> | A summary view of monitored indirect transient data queues                              |
| <b>MNTRATDQ</b> | A general view of monitored intrapartition transient data queues                        |
| <b>MNTRATDS</b> | A summary view of monitored intrapartition transient data queues                        |
| <b>MREMTDQ</b>  | A general view of monitored remote transient data queues                                |
| <b>MREMTDQS</b> | A summary view of monitored remote transient data queues                                |
| <b>MTDQGBL</b>  | A general view of intrapartition transient data queue usage in monitored CICS systems   |
| <b>MTDQGBLD</b> | A detailed view of intrapartition transient data queue usage in a monitored CICS system |
| <b>MTDQGBLS</b> | A summary view of intrapartition transient data queue usage in monitored CICS systems   |
| <b>MXTRATDQ</b> | A general view of monitored extrapartition transient data queues                        |
| <b>MXTRATDS</b> | A summary view of monitored extrapartition transient data queues                        |

**Note:** This monitor data is available only for transient data queues that are being monitored by CICSplex SM. Information for the MTDQGBL, MTDQGBLD, and MTDQGBLS views is available only for CICS systems where global resources are being monitored by CICSplex SM. For details on defining the resources that CICSplex SM is to monitor, see the discussion of resource monitoring in *CICSplex SM Managing Resource Usage*.

For details about the availability of the transient data queue views, see the individual view descriptions.

## MINDTDQ – Monitor indirect transient data queues

The MINDTDQ view shows general information about monitored indirect transient data queues.

### Availability

The MINDTDQ view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MINDTDQ [tdq [ind-tdq]]
```

tdq is the specific or generic name of a currently installed indirect transient data queue that is being monitored, or \* for all monitored indirect queues.

ind-tdq is the specific or generic indirect name of a monitored transient data queue. Use this parameter to find out what CICS systems use a particular indirect queue and what names they know it by.

If you do not specify parameters, the view includes information about all monitored indirect transient data queues within the current scope.

**Select:** TDQ from the MONITOR menu and MINDTDQ from the TDQ submenu.

Figure 41 is an example of the MINDTDQ view.

```
#
# 27FEB2005 11:30:30 ----- INFORMATION DISPLAY -----
# COMMAND ==> SCROLL ==> PAGE
# CURR WIN ==> 1 ALT WIN ==>
# W1 =MINDTDQ=====EYUPLX01=EYUPLX01=27FEB2005==11:30:30=CPSM=====
# CMD Queue Indirect CICS Indirect Indirect -Output Rate-
# --- ID--- Name---- System-- Type---- Outputs-- Curr Intv
# CADL CSMT EYUMAS1A EXTRA 56 .4 .1
# CADL CSMT EYUMAS2A EXTRA 43 .5 .1
# CADL CSMT EYUMAS3A EXTRA 43 .3 .1
#
#
#
```

Figure 41. The MINDTDQ view

### Action commands

Table 71 shows the action commands you can issue from the MINDTDQ view.

Table 71. MINDTDQ view action commands

| Primary command            | Line command | Description   |
|----------------------------|--------------|---|
| INItdq ind-tdq sysname     | INI          | Initializes the CICSplex SM statistics counters associated with an indirect transient data queue to 0.  |
| REMOve tdq ind-tdq sysname | REM          | Removes an indirect transient data queue from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 71. MINDTDQ view action commands (continued)

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| <b>Where:</b>   |              |   |
| <b>tdq</b>      |              | Is the specific or generic name of a transient data queue.          |
| <b>ind-tdq</b>  |              | Is the specific or generic indirect name of a transient data queue. |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system.                   |

## Hyperlinks

None.

**Note:** You can display the MINDTDQS view by issuing the SUM display command.

### MINDTDQS – Monitor indirect transient data queues summary

The MINDTDQS view shows summarized information about monitored indirect transient data queues. MINDTDQS is a summary form of the MINDTDQ view.

#### Availability

The MINDTDQS view is available for all managed CICS systems except CICS for Windows.

#### Access

**Issue command:**

```
MINDTDQS [tdq [ind-tdq]]
```

Where the parameters are the same as those for MINDTDQ on page 112.

**Select:** TDQ from the MONITOR menu and MINDTDQS from the TDQ submenu.

**Summarize:** Issue the SUM display command from an MINDTDQ or MINDTDQS view.

The MINDTDQS view looks like the MINDTDQ view shown in Figure 41 on page 112 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

#### Action commands

None.

#### Hyperlinks

From the MINDTDQS view, you can hyperlink from the Count field to the MINDTDQ view to expand a line of summary data. The MINDTDQ view includes only those resources that were combined to form the specified summary line.



## MNTRATDQ – Monitor intrapartition transient data queues

The MNTRATDQ view shows general information about monitored intrapartition transient data queues.

### Availability

The MNTRATDQ view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MNTRATDQ [tdq]
```

tdq is the specific or generic name of a currently installed intrapartition transient data queue that is being monitored. If you omit this parameter, the view includes information about all monitored intrapartition transient data queues within the current scope.

**Select:**

TDQ from the MONITOR menu and MNTRATQD from the TDQ submenu.

Figure 42 is an example of the MNTRATDQ view.

```

27FEB2005 19:23:32 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1      ALT WIN ==>
>W1 =MNTRATDQ=====EYUPLX01=EYUPLX01=27FEB2005==19:23:32=CPSM=====3===
CMD Que  CICS      Access  -Acc. Rate- ATI  ATI Trig Number  ATI      AT
--- ID-- System-- Count--- Curr Intv Tran Term Level Items--  Facil Status Us
EQ01 EYUMAS1A      0  0.0  0.0                1      0 NOTER ENABLE
EQ01 EYUMAS3A      0  0.0  0.0                1      0 NOTER ENABLE
EQ01 EYUMAS4A      0  0.0  0.0                1      0 NOTER ENABLE
    
```

Figure 42. The MNTRATDQ view

### Action commands

Table 72 shows the action commands you can issue from the MNTRATDQ view.

Table 72. MNTRATDQ view action commands

| Primary command     | Line command | Description   |
|---------------------|--------------|---|
| INI t dq sysname    | INI          | Initializes the CICSplex SM statistics counters associated with an intrapartition transient data queue to 0.  |
| REMOve t dq sysname | REM          | Removes an intrapartition transient data queue from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

**Where:**

**tdq** Is the specific or generic name of a monitored intrapartition transient data queue.

**sysname**

Is the specific or generic name of a CICS system.

### Hyperlinks

None.

## transient data queues – MNTRATDQ

**Note:** You can display the MNTRATDS view by issuing the SUM display command.

---

## MNTRATDS – Monitor intrapartition transient data queues summary

The MNTRATDS view shows summarized information about monitored intrapartition transient data queues. MNTRATDS is a summary form of the MNTRATDQ view.

### Availability

The MNTRATDS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MNTRATDS [tdq]

Where the parameters are the same as those for MNTRATDQ on page 115.

**Select:** TDQ from the MONITOR menu and MNTRATDS from the TDQ submenu.

**Summarize:** Issue the SUM display command from an MNTRATDQ or MNTRATDS view.

The MNTRATDS view looks like the MNTRATDQ view shown in Figure 42 on page 115 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MNTRATDS view, you can hyperlink from the Count field to the MNTRATDQ view to expand a line of summary data. The MNTRATDQ view includes only those resources that were combined to form the specified summary line.

## MREMTDQ – Monitor remote transient data queues

The MREMTDQ view shows general information about monitored remote transient data queues. Remote transient data queues are queues that are defined to the local CICS system, but reside in another CICS system.

### Availability

The MREMTDQ view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MREMTDQ [tdq [rem-tdq]]
```

tdq is the specific or generic name of a currently installed remote transient data queue that is being monitored, or \* for all monitored remote queues.

rem-tdq is the specific or generic name of a remote transient data queue as known to the CICS system where the queue resides. Use this parameter to find out what CICS systems have a particular queue defined as remote and what names they know it by.

If you do not specify parameters, the view includes information about all monitored remote transient data queues within the current scope.

**Select:**

TDQ from the MONITOR menu and MREMTDQ from the TDQ submenu.

Figure 43 is an example of the MREMTDQ view.

```

27FEB2005 19:35:11 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MREMTDQ=====EYUPLX01=EYUPLX01=27FEB2005==19:35:11=CPSM=====1===
CMD Queue CICS      Remote Remote Remote  -Access Rate-
--- ID--- System-- Name-- SysId  Accesses- Curr  Intv
      EQ01 EYUMAS2A EQ01  2A4A          0    0.0  0.0
    
```

Figure 43. The MREMTDQ view

### Action commands

Table 73 shows the action commands you can issue from the MREMTDQ view.

Table 73. MREMTDQ view action commands

| Primary command             | Line command | Description  |
|-----------------------------|--------------|--|
| INIt tdq rem-tran sysname   | INI          | Initializes the CICSplex SM statistics counters associated with a remote transient data queue to 0.  |
| REMOve tdq rem-tran sysname | REM          | Removes a remote transient data queue from CICSplex SM monitoring for the current sample interval and discards its accumulated statistics. |

Table 73. MREMTDQ view action commands (continued)

| Primary command | Line command | Description   |
|-----------------|--------------|---|
| <b>Where:</b>   |              |   |
| <b>tdq</b>      |              | Is the specific or generic name of a monitored remote transient data queue as defined to the local CICS system. |
| <b>rem-tran</b> |              | Is the specific or generic remote name of a transient data queue.   |
| <b>sysname</b>  |              | Is the specific or generic name of a CICS system.   |

## Hyperlinks

None.

**Note:** You can display the MREMTDQS view by issuing the SUM display command.

## MREMTDQS – Monitor remote transient data queues summary

The MREMTDQS view shows summarized information about monitored remote transient data queues. MREMTDQS is a summary form of the MREMTDQ view.

### Availability

The MREMTDQS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

```
MREMTDQS [tdq [rem-tdq]]
```

Where the parameters are the same as those for MREMTDQ on page 118.

**Select:** TDQ from the MONITOR menu and MREMTDQS from the TDQ submenu.

**Summarize:** Issue the SUM display command from an MREMTDQ or MREMTDQS view.

The MREMTDQS view looks like the MREMTDQ view shown in Figure 43 on page 118 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

### Action commands

None.

### Hyperlinks

From the MREMTDQS view, you can hyperlink from the Count field to the MREMTDQ view to expand a line of summary data. The MREMTDQ view includes only those resources that were combined to form the specified summary line.

## MTDQGBL – Monitor transient data queue usage

The MTDQGBL view shows general information about intrapartition transient data queue usage within monitored CICS systems.

### Availability

The MTDQGBL view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

MTDQGBL

#### Select:

GLOBAL from the MONITOR menu and MTDQGBL from the GLOBAL submenu.

Figure 44 is an example of the MTDQGBL view.

```

27FEB2005 19:36:34 ----- INFORMATION DISPLAY -----
COMMAND ==>                                     SCROLL ==> PAGE
CURR WIN ==> 1          ALT WIN ==>
W1 =MTDQGBL=====EYUPLX01=EYUPLX01=27FEB2005==19:36:34=CPSM=====4===
CMD CICS  -Access Rate- -Write Rate- -Read Rate- -Full Pct-
--- System-- Curr  Intv  Curr  Intv  Curr  Intv  Curr  Intv
EYUMAS1A   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0
EYUMAS2A   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0
EYUMAS3A   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0
EYUMAS4A   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0

```

Figure 44. The MTDQGBL view

### Action commands

Table 74 shows the action commands you can issue from the MTDQGBL view.

Table 74. MTDQGBL view action commands

| Primary command  | Line command | Description  |
|--|--------------|--|
| INit sysname   | INI          | Initializes the CICSplex SM statistics counters associated with intrapartition transient data queue usage to 0.  |
| REMove sysname   | REM          | Removes intrapartition transient data queue usage from CICSplex SM monitoring for the current sample interval and discards the accumulated statistics. |
| <b>Where:</b><br><b>sysname</b><br>Is the specific or generic name of a CICS system. |              |  |

### Hyperlinks

Table 75 shows the hyperlink field for the MTDQGBL view.

Table 75. MTDQGBL view hyperlink field

| Hyperlink field | View displayed | Description   |
|-----------------|----------------|---|
| CICS System     | MTDQGBLD       | Detailed view of intrapartition transient data queue usage for the specified CICS system. |

## transient data queues – MTDQGBL

**Note:** You can also display the MTDQGBLS view by issuing the SUM display command.



## MTDQGBLD – Monitor transient data queue usage details

The MTDQGBLD view shows detailed information about intrapartition transient data queue usage within a monitored CICS system.

### Availability

The MTDQGBLD view is available for all managed CICS systems except CICS for Windows.

### Access

#### Issue command:

MTDQGBLD sysname

sysnamels the name of a monitored CICS system within the current scope.

#### Hyperlink from:

the CICS System field of the MTDQGBL view.

Figure 45 is an example of the MTDQGBLD view.

```

27FEB2005 19:36:40 ----- INFORMATION DISPLAY -----
COMMAND ===                                     SCROLL => PAGE
CURR WIN ==> 1          ALT WIN == =>
W1 =MTDQGBL==MTDQGBLD=EYUPLX01=EYUPLX01=27FEB2005==19:36:40=CPSM=====1===
CICS System..... EYUMAS1A Buffer Count...      8 CURRENT.....
Intra CI Size.... 4096 Buff Accesses...        0 ConCur Buf Acc   N/A
Number of CIs.... 1 Peak Conc Access           0 Buff Wait.....   N/A
Numb of CIs used. 1 Buffer Reads...             0 Buf W/Val Data   N/A
Peak CIs in Use.. 0 Buffer Writes...            0 ConCur Str Acc  N/A
Dataset IO Errs.. 0 Buff Fmt Writes..          0 Str Waits.....   N/A
Number Strings... 3 Buffer Waits...             0
Str Acc.....      0 Peak Conc Wait..           0
Peak ConCur Str.. 0 Peak Buff Valid..          0
Total Str Waits.. 0 CS Hit Rate....            0.0 MI Hit Rate.... 0.0
Peak Str Waits... 0 CS Read Rate....            0.0 MI Read Rate... 0.0
                   CS Write Rate...            0.0 MI Write Rate.. 0.0
                   NOSPACE Count...           0
                   CS NOSPACE %....            0.0 MI NOSPACE %... 0.0

```

Figure 45. The MTDQGBLD view

### Action commands

Table 76 shows the action commands you can issue from the MTDQGBLD view.

Table 76. MTDQGBLD view action commands

| Primary command | Line command | Description  |
|-----------------|--------------|--|
| INIt            | n/a          | Initializes the CICSplex SM statistics counters associated with intrapartition transient data queue usage to 0.  |
| REMOve          | n/a          | Removes intrapartition transient data queue usage from CICSplex SM monitoring for the current sample interval and discards the accumulated statistics. |

### Hyperlinks

None.

## MTDQGBLS – Monitor transient data queue usage summary

The MTDQGBLS view shows summarized information about intrapartition transient data queue usage within monitored CICS systems. MTDQGBLS is a summary form of the MTDQGBL view.

### Availability

The MTDQGBLS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MTDQGBLS

**Select:** GLOBAL from the MONITOR menu and MTDQGBLS from the GLOBAL submenu.

**Summarize:** Issue the SUM display command from an MTDQGBL or MTDQGBLS view.

The MTDQGBLS view looks like the MTDQGBL view shown in Figure 44 on page 121 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MTDQGBLS view, you can hyperlink from the Count field to the MTDQGBL view to expand a line of summary data. The MTDQGBL view includes only those resources that were combined to form the specified summary line.

## MXTRATDQ – Monitor extrapartition transient data queues

The MXTRATDQ view shows general information about monitored extrapartition transient data queues.

### Availability

The MXTRATDQ view is available for all managed CICS system except CICS for Windows.

### Access

#### Issue command:

```
MXTRATDQ [tdq]
```

tdq is the specific or generic name of a currently installed extrapartition transient data queue that is being monitored. If you omit this parameter, the view includes information about all extrapartition transient data queues within the current scope.

#### Select:

TDQ from the MONITOR menu and MXTRATDQ from the TDQ submenu.

Figure 46 is an example of the MXTRATDQ view.

```

27FEB2005 19:37:34 ----- INFORMATION DISPLAY -----
COMMAND ==>
CURR WIN ==> 1          ALT WIN ==>
W1 =MXTRATDQ=====EYUPLX01=EYUPLX01=27FEB2005==19:37:33=CPSM=====8===
CMD Queue CICS   Access  -Access Rate- Enabled Open
--- ID--- System-- Count--- Curr  Intv Status Status
COLG EYUMAS1A    0      0.0  0.0 ENABLED OPEN
COLG EYUMAS2A    0      0.0  0.0 ENABLED OPEN
COLG EYUMAS3A    0      0.0  0.0 ENABLED OPEN
COLG EYUMAS4A    0      0.0  0.0 ENABLED OPEN
COPR EYUMAS1A    0      0.0  0.0 ENABLED CLOSED
COPR EYUMAS2A    0      0.0  0.0 ENABLED CLOSED
COPR EYUMAS3A    0      0.0  0.0 ENABLED CLOSED
COPR EYUMAS4A    0      0.0  0.0 ENABLED CLOSED

```

Figure 46. The MXTRATDQ view

### Action commands

Table 77 shows the action commands you can issue from the MXTRATDQ view.

Table 77. MXTRATDQ view action commands

| Primary command   | Line command | Description   |
|---|--------------|---|
| INItdq sysname  | INI          | Initializes the CICSPlex SM statistics counters associated with an extrapartition transient data queue to 0.  |
| REMOve tdq sysname  | REM          | Removes an extrapartition transient data queue from CICSPlex SM monitoring for the current sample interval and discards its accumulated statistics. |
| <b>Where:</b><br><b>tdq</b> Is the specific or generic name of a monitored extrapartition transient data queue.<br><b>sysname</b> Is the specific or generic name of a CICS system. |              |   |

## transient data queues – MXTRATDQ

### Hyperlinks

None.

**Note:** You can display the MXTRATDS view by issuing the SUM display command.

---

## MXTRATDS – Monitor extrapartition transient data queues summary

The MXTRATDS view shows summarized information about monitored extrapartition transient data queues. MXTRATDS is a summary form of the MXTRATDQ view.

### Availability

The MXTRATDS view is available for all managed CICS systems except CICS for Windows.

### Access

**Issue command:**

MXTRATDS [tdq]

Where the parameters are the same as those for MXTRATDQ on page 125.

**Select:** TDQ from the MONITOR menu and MXTRATDS from the TDQ submenu.

**Summarize:** Issue the SUM display command from an MXTRATDQ or MXTRATDS view.

The MXTRATDS view looks like the MXTRATDQ view shown in Figure 46 on page 125 with one addition: the Count field. This field appears next to the CICS System field, and indicates how many resources were combined to form each line of summary data.

By default, the view is summarized by CICS system. If you place the cursor on a field of data and issue the SUM display command, the view is summarized by the data in that field.

### Action commands

None.

### Hyperlinks

From the MXTRATDS view, you can hyperlink from the Count field to the MXTRATDQ view to expand a line of summary data. The MXTRATDQ view includes only those resources that were combined to form the specified summary line.

## transient data queues – MXTRATDS

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## Other CICS books

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|   |           |
|---|-----------|
| <i>Designing and Programming CICS Applications</i>      | SR23-9692 |
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| <i>CICS Family: API Structure</i>                       | SC33-1007 |
| <i>CICS Family: Client/Server Programming</i>           | SC33-1435 |
| <i>CICS Transaction Gateway for z/OS Administration</i> | SC34-5528 |
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- using a 3270 emulator connected to CICSplex SM
- using a 3270 emulator logged on to CICS
- using a 3270 emulator logged on to TSO
- using a 3270 emulator as an MVS system console
- using the CICSplex SM web user interface.

IBM Personal Communications (Version 5.0.1 for Windows 95, Windows 98, Windows NT<sup>®</sup> and Windows 2000; version 4.3 for OS/2) provides 3270 emulation with accessibility features for people with disabilities. You can use this product to provide the accessibility features you need in your CICSplex SM system.



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