Cluster Operator Commands

This chapter describes operator commands for ADACOM and for an Adabas Parallel Services cluster nucleus.

This chapter covers the following topics:

- ADACOM Operator Commands

- Adabas Cluster Nucleus Operator Commands

ADACOM Operator Commands

Special ADACOM operator commands exist to display and control the multiprocessing environment. These commands, which are similar to regular Adabas operator commands, are issued to the local ADACOM initialization job.

This section is organized in the following topics:

- Entering z/OS System Commands

- Entering z/VSE System Commands

- Entering BS2000 System Commands

- DIM - Display Image

- DN - Display Active Nuclei

- DUMP - Dump Storage Areas

- SN - Set Nucleus Status

Entering z/OS System Commands

This section describes the format for entering ADACOM operator commands on z/OS systems. It contains the following topics:

- Commands Issued during ADACOM Initialization
- Commands Issued after ADACOM Initialization

Commands Issued during ADACOM Initialization

When running the Adabas Parallel Services initialization routine ADACOM, operator commands can be specified as follows:

```
{ MODIFY | F } jobname , command
```

where

jobname	name of the ADACOM job or started task
command	one of the operator commands described in this section

Commands Issued after ADACOM Initialization

After initialization, any command issued is directed to the last SVC/DBID pair encountered in the input.

To change the pair, enter the command preceded by `SVC=`*`svc`*`,DBID=`*`dbid`* (the order of the SVC and DBID is interchangeable) optionally followed by a comma. For example:

> { MODIFY | F } *jobname* ,**SVC=** *svc* ,**DBID=** *dbid* , *command*

A command can be given only if the SVC/DBID pair is already active (has been specified before, and not terminated). Otherwise, specify the SVC/DBID pair without a command to activate the SVC/DBID, and then issue the command separately.

To dynamically add an IDTNAME/DBID combination, either one that was not specified in the startup JCL or one that was terminated, use the command format above and, optionally, an NU parameter setting or a nondefault FORCE parameter setting:

> { MODIFY | F } *jobname* ,**SVC=** *svc* ,**DBID=** *dbid* [,**NU=** *max-users*][,**FORCE=YES**], *command*

When you change or add an SVC/DBID set in this manner, the new set becomes the default for all commands issued until the set is changed.

To dynamically terminate an IDTNAME/DBID combination, enter the ADAEND command as follows:

> { MODIFY | F } *jobname* ,**SVC=** *svc* ,**DBID=** *dbid* ,**ADAEND**

⚠️ **Warning:**
You *must* specify the SVC and DBID when terminating an SVC/DBID combination. Otherwise, the ADAEND command terminates the entire ADACOM job. The current set default does not apply when using ADAEND.

Every operator command is directed to the ADACOM job and is echoed with the message

```
PLI060 SVC=svc DBID=dbid OPERATOR COMMAND:xxx
```

Note:
ADACOM writes global ADACOM messages into the output data set with the DD name COMPRINT. It writes messages pertinent to an individual SVC/DBID combination into the output data set with the DD name `P`*`ssddddd`*, where *ss* is the last two digits of the SVC number and *ddddd* is the database ID.

Entering z/VSE System Commands

▶ **To enter operator commands in z/VSE environments, use the following steps:**

1. Enter an MSG command for the z/VSE partition in which ADACOM is executing, using the following format:

```
MSG partition-id
```

When ready for communication, ADACOM will respond with message ADAI29. In cases where the ADAEND command causes ADACOM to end its session, no outstanding reply is presented so that an orderly shutdown can occur without the need for operator intervention.

2. Enter the desired operator command or commands. More than one command can be entered in a session.

You can also enter a command followed directly by a slash (/) to end any further operator communications until the next MSG command by z/VSE.

3. When all desired commands have been entered, close the operator communication session by entering a null command (EOB).

4. To enter any more commands after the session is closed, repeat this entire procedure.

Every operator command is directed to the ADACOM job and is echoed with the message:

```
PLI060 SVC=svc DBID=dbid OPERATOR COMMAND:xxx
```

Entering BS2000 System Commands

This section describes the format for entering ADACOM operator commands on BS2000 systems.

Commands Issued during ADACOM Initialization

When running the Adabas Parallel Services initialization routine ADACOM, the operator commands described in this section can be specified as follows:

INTR (*jobnumber* **,)** *command*

where

jobnumber	Job Task Number, which is four alphanumeric bytes when given from the console

Commands Issued after ADACOM Initialization

After initialization, any command issued is directed to the last IDTNAME/DBID pair encountered in the input.

To change the pair, enter the command preceded by 'IDTNAME=idtname,DBID=dbid' (the order of the IDTNAME and DBID is interchangeable) optionally followed by a comma. For example:

INTR (*jobnumber* **,)IDTNAME=** *idtname* **,DBID=** *dbid* **,** *command*

A command can be given only if the IDTNAME/DBID pair is already active (has been specified before, and not terminated). Otherwise, specify the IDTNAME/DBID pair without a command to activate the IDTNAME/DBID, and then issue the command separately.

To dynamically add an IDTNAME/DBID combination, either one that was not specified in the startup JCL or one that was terminated, use the command format above and, optionally, an NU parameter setting and/or a nondefault FORCE parameter setting:

INTR (*jobnumber* **,)IDTNAME=** *idtname* **,DBID=** *dbid* **[,NU=** *max-users* **][,FORCE=YES],** *command*

When you change or add an IDTNAME/DBID set in this manner, the new set becomes the default for all commands issued until the set is changed.

To dynamically terminate an IDTNAME/DBID combination, enter the ADAEND command as follows:

INTR (*jobnumber* **,)IDTNAME=** *idtname* **,DBID=** *dbid* **,ADAEND**

⚠️   **Warning:**
       You must specify the IDTNAME and DBID when terminating an
       IDTNAME/DBID combination. Otherwise, the ADAEND command
       terminates the entire ADACOM job. The current set default does not
       apply when using ADAEND.

Every operator command is directed to the ADACOM job and is echoed with the message

```
PLI060 IDTNAME=idtname DBID=dbid OPERATOR COMMAND:xxx
```

Note:
ADACOM writes global ADACOM messages into the output data set with the link name COMPRINT. It writes messages pertinent to an individual IDTNAME/DBID combination into the output data set with the DD name 'Pssddddd', where 'ss' is a unique number derived from the IDTNAME (counting backward from 55) and 'ddddd' is the database ID.

DIM - Display Image

DIM [*image-name* **]**

The DIM command displays information about each active cluster nucleus on the specified (or all) operating system image. Since with Adabas Parallel Services (in contrast to Adabas Cluster Services) all cluster nuclei run on the same system image, its output for DIM is equivalent to that for the DN command. See *DN - Display Nuclei* for sample output.

Specifying the image name is optional.

DN - Display Active Nuclei

Use DN to display the number of commands processed and the number of currently active users for each active nucleus.

Sample Output

```
PLI060 SVC=svc DBID=dbid OPERATOR COMMAND:DN
PLI004 image-name NUCID UP LO RO -#USERS- -#CMNDS- LURA= RULA=
       jobname    00001 Y  Y  N  00000152 00000001
PLI004 image-name NUCID UP LO RO -#USERS- -#CMNDS- LURA= RULA=
       jobname    00002 Y  Y  N  00000089 00000000
```

The display uses the following indicators:

image-name	the name of the image
jobname	the job name of a cluster nucleus active on the local image
NUCID	unique cluster nucleus identifier between 1 and 65000
UP	whether (Y or N) the specified nucleus is available for normal processing
LO	whether the specified nucleus is open (Y); or closed (N) for new users
RO	not applicable to Parallel Services
#USERS	the number of users currently assigned to the specified nucleus
#CMNDS	the number of commands currently in progress in the specified nucleus
LURA=	not applicable to Parallel Services
RULA=	not applicable to Parallel Services

DUMP - Dump Storage Areas

The DUMP command displays internal information about various storage areas that Adabas Cluster Services and Adabas Parallel Services use for controlling the communication with the cluster nuclei. Use this command as directed by Software AG Support. Its output might be helpful in the diagnosis of communication-related problems with cluster databases.

```
DUMP stg-area
```

where *stg-area* can be any of the following storage areas: CLUDSP, IDTE, IDTH, IDTHPRFX, PLXCB, PLXMAP, PLXNUC, PLXUSER, or SVC.

SN - Set Nucleus Status

```
SN {RMTALL | image-name | nucleus-id } {OP | CL }
SN {LCLALL | nucleus-id } } {OP | CL } {LCL | GBL}
```

where

RMTALL	is not applicable
OP	is OPEN
CL	is CLOSE
LCLALL	is LOCAL ALL: all nuclei on the local image
LCL	is LOCAL: local users
GBL	is GLOBAL: all Adabas Parallel Services cluster users

The possible options settings for the SN command are described as follows:

Option	Action
RMTALL {OP	CL}	not applicable
image-name {OP	CL}	not applicable
nucleus-id {OP	CL}	not applicable
LCLALL {OP	CL} LCL	open or close all nuclei on the *local* image to local users. Information is not broadcast to other images.
nucleus-id {OP	CL} LCL	open or close the specified *local* nucleus to local users. Information is not broadcast to other images.
LCLALL {OP	CL} GBL	open or close all nuclei on the *local* image to all Adabas Parallel Services cluster users.
nucleus-id {OP	CL} GBL	open or close the specified *local* nucleus to all Adabas Parallel Services cluster users.

By default, nuclei start open to users.

After the nuclei start, the SN operator commands may be used to exercise some control over the assignment of users to nuclei.

Adabas Cluster Nucleus Operator Commands

The following console operator commands can be issued against a local Adabas cluster nucleus. In addition, the console operator commands documented in the *Adabas Operations* documentation can be issued against any local nucleus.

Command	To ...
DMEMTB	Display information about active Adabas cluster nuclei
DNFV	Display information about current file use
DPARM	Display Adabas session parameters currently in effect
DPPT	Display information about the nucleus's own PPT block
DXCACHE	Display the primary cache-related statistics
DXFILE	Display the cache-related statistics for 1 to 5 files
DXLOCK	Display the lock-related statistics
DXMSG	Display the Adabas Parallel Services messaging performance statistics
DXSTAT	Display all cache- and lock-related statistics
MXCANCEL	Dynamically change the ADARUN MXCANCEL setting
MXCANCELWARN	Dynamically change the ADARUN MXCANCELWARN setting
MXMSG	Dynamically change the ADARUN MXMSG setting
MXMSGWARN	Dynamically change the ADARUN MXMSGWARN setting
MXWTOR	Dynamically change the ADARUN MXWTOR setting

Note:
See the *Adabas Parallel Services Operations* documentation for information about issuing Adabas utility ADADBS OPERCOM commands against the local cluster nucleus, a specified cluster nucleus, or all cluster nuclei.

DMEMTB - Display Member State Table

Use DMEMTB to display information about active nuclei in an Adabas Parallel Services cluster.

This command produces internal information for use by Software AG technical support.

Sample Output

```
ADAX61 00226 2009-06-24 16:52:00 Member Status Table
ADAX61 00226 2009-06-24 16:52:00 Other members:        1
ADAX61 00226 2009-06-24 16:52:00   This system:        1
ADAX61 00226 2009-06-24 16:52:00
ADAX61 00226 2009-06-24 16:52:00           NUCID:    2,261
ADAX61 00226 2009-06-24 16:52:00     Internal ID:        2
ADAX61 00226 2009-06-24 16:52:00          System: z/OS
ADAX61 00226 2009-06-24 16:52:00        Job Name: USACHPS1
ADAX61 00226 2009-06-24 16:52:00    Flags 1/2/3: D7/00/00
ADAX61 00226 2009-06-24 16:52:00
ADAX61 00226 2009-06-24 16:52:00           NUCID:    2,262
ADAX61 00226 2009-06-24 16:52:00          System: z/OS
ADAX61 00226 2009-06-24 16:52:00        Job Name: USACHPS2
ADAX61 00226 2009-06-24 16:52:00    Flags 1/2/3: D7/00/00
ADAN41 00226 2009-06-24 16:52:00 Function completed
```

DNFV - Display Nucleus File Variables

Use DNFV to display information about current nucleus file use.

This command provides information about the files in use at a particular point in time. It also indicates which other nucleus has exclusive file control if, for example, a user program receives a response 148, subcode 15.

Sample Output

```
ADAI29 OPER CMD: DNFV
FNR=00008  A=Y U=Y ID=      CA=00000   CU=00001
```

where

FNR=nnnnn	is the file number
A={Y | N}	(yes or no) indicates whether the file is used for access (read and/or search)
U={Y | N}	(yes or no) indicates whether the file is used for update. Use for update includes use for access.
ID=nucid	is the ID of the nucleus that owns the file lock, if the file is locked.
CA=nnnnn	is the number of users on this nucleus who are currently accessing this file.
CU=nnnnn	is the number of users on this nucleus who are currently updating this file.

DPARM - Display Adabas Session Parameters

The DPARM command can be used to display the Adabas session parameters currently in effect. The output produced by the DPARM command includes settings for the ADARUN parameters related to Adabas Parallel Services alert and timeout enhancements.

Sample Output

```
17:28:14 ADAI29 Oper cmd: DPARM
17:28:14 ADAN16 00226 2007-06-01 17:28:13 READONLY=NO,UTIONLY=NO
17:28:14 ADAN16 00226 2007-06-01 17:28:13 ASYTVS=YES,AOSLOG=NO
17:28:14 ADAN16 00226 2007-06-01 17:28:13 NC=200,NH=500,NT=20,NU=200
17:28:14 ADAN16 00226 2007-06-01 17:28:13 LBP=375808,LFP=12000,LWP=500000
17:28:14 ADAN16 00226 2007-06-01 17:28:13 LI=10000,LP=200,LQ=10000,LS=49920
17:28:14 ADAN16 00226 2007-06-01 17:28:13 LFIOP=100000,FMXIO=1,LU=65535
17:28:14 ADAN16 00226 2007-06-01 17:28:13 TT=900,TNAA=900,TNAE=900,CT=60
17:28:14 ADAN16 00226 2007-06-01 17:28:13 TNAX=900,MXTT=3600,MXTNA=3600
17:28:14 ADAN16 00226 2007-06-01 17:28:13 TLSCMD=300,MXTSX=3600
17:28:14 ADAN16 00226 2007-06-01 17:28:13 NOLOG
17:28:14 ADAN16 00226 2007-06-01 17:28:13 NUCID=2261,MXMSG=300,MXMSGWARN=60
17:28:14 ADAN16 00226 2007-06-01 17:28:13 MXCANCEL=600,MXCANCELWARN=120
17:28:14 ADAN16 00226 2007-06-01 17:28:13 MXWTOR=0
17:28:14 ADAN16 00226 2007-06-01 17:28:13 CLUSTER=SYSPLEX,CLUGROUPNAME=PTGCJP
17:28:14 ADAN16 00226 2007-06-01 17:28:13 CLULOCKNAME=ADA_LOCK7
17:28:14 ADAN16 00226 2007-06-01 17:28:13 CLUCACHENAME=ADA_CACHE7
17:28:14 ADAN16 00226 2007-06-01 17:28:13 DIRRATIO=4,ELEMRATIO=1
17:28:14 ADAN41 00226 2007-06-01 17:28:13 Function completed
```

DPPT - Display Parallel Participant Table (PPT)

Use DPPT to display all occupied PPT blocks.

This command produces internal information for use by Software AG technical support.

Sample Output

```
ADAI29 OPER CMD: DPPT
ADAN24 00006 2001-01-18 00:15:49 Display PPT RABNs 000005FB to 0000061A
ADAN24 00006 2001-01-18 00:15:49
ADAN24 00006 2001-01-18 00:15:49          PPT RABN: 000005FB
ADAN24 00006 2001-01-18 00:15:49 Number of entries: 03
ADAN24 00006 2001-01-18 00:15:49 Nucleus indicator: C0
ADAN24 00006 2001-01-18 00:15:49             NUCID: 0084
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0025
ADAN24 00006 2001-01-18 00:15:49          Entry ID: W
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/WORKR1/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 1
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR11/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 2
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR12/
ADAN24 00006 2001-01-18 00:15:49


ADAN24 00006 2001-01-18 00:15:49          PPT RABN:
000005FC
ADAN24 00006 2001-01-18 00:15:49 Number of entries: 03
ADAN24 00006 2001-01-18 00:15:49 Nucleus indicator: C0
ADAN24 00006 2001-01-18 00:15:49              UCID: 0003
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0025
ADAN24 00006 2001-01-18 00:15:49          Entry ID: W
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/WORKR2/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 1
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR21/
ADAN24 00006 2001-01-18 00:15:49  PPT Entry length: 0026
ADAN24 00006 2001-01-18 00:15:49          Entry ID: 2
ADAN24 00006 2001-01-18 00:15:49 Dataset=/SAGUID/DB006/Vvr/PLOGR22/
ADAN41 00006 2001-01-18 00:15:49 Function completed
```

DXCACHE - Display Cache Statistics

Use DXCACHE to display the primary cache-related statistics.

The full set of statistics shown in this output is displayed only for users who have the selectable unit Adabas Online System (AOS) installed.

If you have installed only the demo version of AOS delivered with Adabas, only the statistics in the sections *Totals*, *Data Storage*, and *Normal Index* are displayed using this command.

Sample Output

```
ADAX61 00006 2000-09-06 19:29:23 Global cache statistics:
ADAX61 00006 2000-09-06 19:29:23
```

Cast-out Directory

```
ADAX61 00006 2000-09-06 19:29:23 Cast-out dir   :                        35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        35
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Unlock cast-out:                        35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        34
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Directory reads:                         1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                         0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                         1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Totals

```
ADAX61 00006 2000-09-06 19:29:23 Totals:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                     1,681
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        71
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     1,610
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                       888
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                       793
ADAX61 00006 2000-09-06 19:29:23  Area full     :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                    25,467
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    22,724
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     2,743
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                    25,467
ADAX61 00006 2000-09-06 19:29:23  Not written   :                         0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                    65,552
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                     1,727
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                       265
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     1,462
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                         0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                         0
ADAX61 00006 2000-09-06 19:29:23
```

Address Converter

```
ADAX61 00006 2000-09-06 19:29:23 AC:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                        11
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        11
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                         6
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                         5
ADAX61 00006 2000-09-06 19:29:23  Area full     :                         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                     2,644
```

```
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                    2,608
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                       36
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                    2,644
ADAX61 00006 2000-09-06 19:29:23  Not written   :                        0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                    8,772
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                       38
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                       38
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:29:23
```

Data Storage

```
ADAX61 00006 2000-09-06 19:29:23 DS:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                    1,609
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    1,609
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                      855
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                      754
ADAX61 00006 2000-09-06 19:29:23  Area full     :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                    2,645
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    2,645
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                    2,645
ADAX61 00006 2000-09-06 19:29:23  Not written   :                        0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                    6,603
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                    1,461
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                    1,461
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:29:23
```

Data Storage Space Table

```
ADAX61 00006 2000-09-06 19:29:23 DSST:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                        1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                        0
```

```
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                            1
ADAX61 00006 2000-09-06 19:29:23  Area full     :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                        2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        2,622
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                           22
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                        2,644
ADAX61 00006 2000-09-06 19:29:23  Not written   :                            0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                        3,969
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                           34
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                           33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                            1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                            0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                            0
ADAX61 00006 2000-09-06 19:29:23
```

File Control Block

```
ADAX61 00006 2000-09-06 19:29:23 FCB:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                            2
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                            2
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                            0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                            2
ADAX61 00006 2000-09-06 19:29:23  Area full     :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                        2,132
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                        2,123
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                            9
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                        2,132
ADAX61 00006 2000-09-06 19:29:23  Not written   :                            0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                       17,000
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                           33
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                           33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                            0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                            0
ADAX61 00006 2000-09-06 19:29:23
```

Normal Index

```
ADAX61 00006 2000-09-06 19:29:23 NI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                           50
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                           49
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                            1
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                              25
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                              25
ADAX61 00006 2000-09-06 19:29:23  Area full    :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                           7,767
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                           7,747
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                              20
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :                           7,767
ADAX61 00006 2000-09-06 19:29:23  Not written  :                               0
ADAX61 00006 2000-09-06 19:29:23  Area full    :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                           7,273
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                            101
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                             101
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes       :                               0
ADAX61 00006 2000-09-06 19:29:23  Timeouts     :                               0
ADAX61 00006 2000-09-06 19:29:23
```

Upper Index

```
ADAX61 00006 2000-09-06 19:29:23 UI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                               8
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                               8
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache     :                               2
ADAX61 00006 2000-09-06 19:29:23  Not in cache :                               6
ADAX61 00006 2000-09-06 19:29:23  Area full    :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                           7,635
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                           7,624
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                              11
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written      :                           7,635
ADAX61 00006 2000-09-06 19:29:23  Not written  :                               0
ADAX61 00006 2000-09-06 19:29:23  Area full    :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                          21,935
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                             60
ADAX61 00006 2000-09-06 19:29:23  Synchronous  :                              60
ADAX61 00006 2000-09-06 19:29:23  Asynchronous :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes       :                               0
ADAX61 00006 2000-09-06 19:29:23  Timeouts     :                               0
ADAX61 00006 2000-09-06 19:29:23
```

File Statistics

```
ADAX61 00006 2000-09-06 19:29:23 File statistics for files with over 25
ADAX61 00006 2000-09-06 19:29:23 percent of the total cache statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File     1:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads           :                   1,672
ADAX61 00006 2000-09-06 19:29:23 Writes          :                  22,798
ADAX61 00006 2000-09-06 19:29:23 Validates       :                  61,531
ADAX61 00006 2000-09-06 19:29:23
```

DXFILE—Display Cache Statistics for Files

Use DXFILE to display cache-related statistics for 1 to 5 files.

The command is specified using the following format:

DXFILE= *fnr* **[,** *fnr1* **]** ...

Sample Output

```
ADAI29 OPER CMD: DXFILE=0,1,2,3,9
ADAX61 00006 2000-09-06 19:30:38
```

File 0

```
ADAX61 00006 2000-09-06 19:30:38 File     0:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads           :                       1
ADAX61 00006 2000-09-06 19:30:38  Synchronous    :                       1
ADAX61 00006 2000-09-06 19:30:38  Asynchronous   :                       0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache       :                       0
ADAX61 00006 2000-09-06 19:30:38  Not in cache   :                       1
ADAX61 00006 2000-09-06 19:30:38  Area full      :                       0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes          :                   2,644
ADAX61 00006 2000-09-06 19:30:38  Synchronous    :                   2,622
ADAX61 00006 2000-09-06 19:30:38  Asynchronous   :                      22
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written        :                   2,644
ADAX61 00006 2000-09-06 19:30:38  Not written    :                       0
ADAX61 00006 2000-09-06 19:30:38  Area full      :                       0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates       :                   3,969
ADAX61 00006 2000-09-06 19:30:38  Block invalid  :                       0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads  :                      34
ADAX61 00006 2000-09-06 19:30:38  Synchronous    :                      33
ADAX61 00006 2000-09-06 19:30:38  Asynchronous   :                       1
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes         :                       0
ADAX61 00006 2000-09-06 19:30:38  Timeouts       :                       0
ADAX61 00006 2000-09-06 19:30:38
```

File 1

```
ADAX61 00006 2000-09-06 19:30:38 File     1:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads          :                    1,672
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                       64
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    1,608
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache      :                      888
ADAX61 00006 2000-09-06 19:30:38  Not in cache  :                      784
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes         :                   22,798
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                   20,082
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    2,716
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                   22,798
ADAX61 00006 2000-09-06 19:30:38  Not written   :                        0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                   61,531
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                    1,677
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                      221
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                    1,456
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes        :                        0
ADAX61 00006 2000-09-06 19:30:38  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:30:38
```

File 2

```
ADAX61 00006 2000-09-06 19:30:38 File     2:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads          :                        0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache      :                        0
ADAX61 00006 2000-09-06 19:30:38  Not in cache  :                        0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes         :                        0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                        0
ADAX61 00006 2000-09-06 19:30:38  Not written   :                        0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                        0
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                        0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        0
```

```
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes        :                        0
ADAX61 00006 2000-09-06 19:30:38  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:30:38
```

File 3

```
ADAX61 00006 2000-09-06 19:30:38 File     3:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads          :                        0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache      :                        0
ADAX61 00006 2000-09-06 19:30:38  Not in cache  :                        0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes         :                        0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                        0
ADAX61 00006 2000-09-06 19:30:38  Not written   :                        0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                        0
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                        0
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        0
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes        :                        0
ADAX61 00006 2000-09-06 19:30:38  Timeouts      :                        0
ADAX61 00006 2000-09-06 19:30:38
```

File 9

```
ADAX61 00006 2000-09-06 19:30:38 File     9:
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Reads          :                        8
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                        6
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        2
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  In cache      :                        0
ADAX61 00006 2000-09-06 19:30:38  Not in cache  :                        8
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Writes         :                       25
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                       20
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                        5
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38  Written       :                       25
ADAX61 00006 2000-09-06 19:30:38  Not written   :                        0
ADAX61 00006 2000-09-06 19:30:38  Area full     :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Validates      :                       52
ADAX61 00006 2000-09-06 19:30:38  Block invalid :                        0
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Cast-out reads :                       16
```

```
ADAX61 00006 2000-09-06 19:30:38  Synchronous   :                            11
ADAX61 00006 2000-09-06 19:30:38  Asynchronous  :                             5
ADAX61 00006 2000-09-06 19:30:38
ADAX61 00006 2000-09-06 19:30:38 Deletes       :                             0
ADAX61 00006 2000-09-06 19:30:38  Timeouts     :                             0
ADAN41 00006 2000-09-06 19:30:38 Function completed
```

DXLOCK - Display Lock Statistics

Use DXLOCK to display lock-related statistics.

Sample Output

```
ADAX61 00006 2000-09-06 19:29:23 Global lock statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

General Control Block Lock

```
ADAX61 00006 2000-09-06 19:29:23 1. GCB lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :          0
ADAX61 00006 2000-09-06 19:29:23           Granted      :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :          0
ADAX61 00006 2000-09-06 19:29:23          Unconditional :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous   :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous  :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued      :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous   :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous  :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Security Lock

```
ADAX61 00006 2000-09-06 19:29:23 2. Security lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :          0
ADAX61 00006 2000-09-06 19:29:23           Granted      :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :          0
ADAX61 00006 2000-09-06 19:29:23          Unconditional :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous   :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous  :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued      :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous   :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous  :          0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

FST Lock

```
ADAX61 00006 2000-09-06 19:29:23 3. FST lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :          0
ADAX61 00006 2000-09-06 19:29:23           Granted      :          0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :          0
ADAX61 00006 2000-09-06 19:29:23          Unconditional :          0
ADAX61 00006 2000-09-06 19:29:23          Synchronous   :          0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous  :          0
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued                :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous             :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous            :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

File Lock Table Lock

```
ADAX61 00006 2000-09-06 19:29:23 4. File-lock-table lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional            :            0
ADAX61 00006 2000-09-06 19:29:23           Granted                :            0
ADAX61 00006 2000-09-06 19:29:23           Rejected               :            0
ADAX61 00006 2000-09-06 19:29:23           Unconditional          :            0
ADAX61 00006 2000-09-06 19:29:23           Synchronous            :            0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous           :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued                :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous             :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous            :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Online Save Lock

```
ADAX61 00006 2000-09-06 19:29:23 5. Online save lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional            :            0
ADAX61 00006 2000-09-06 19:29:23           Granted                :            0
ADAX61 00006 2000-09-06 19:29:23           Rejected               :            0
ADAX61 00006 2000-09-06 19:29:23           Unconditional          :            0
ADAX61 00006 2000-09-06 19:29:23           Synchronous            :            0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous           :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued                :            0
ADAX61 00006 2000-09-06 19:29:23          Synchronous             :            0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous            :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Buffer Flush Lock

```
ADAX61 00006 2000-09-06 19:29:23 6. Buffer flush lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional            :            0
ADAX61 00006 2000-09-06 19:29:23           Granted                :            0
ADAX61 00006 2000-09-06 19:29:23           Rejected               :            0
ADAX61 00006 2000-09-06 19:29:23           Unconditional          :           38
ADAX61 00006 2000-09-06 19:29:23           Synchronous            :           38
ADAX61 00006 2000-09-06 19:29:23           Asynchronous           :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued                :           38
ADAX61 00006 2000-09-06 19:29:23          Synchronous             :           38
ADAX61 00006 2000-09-06 19:29:23          Asynchronous            :            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Global ET Sync Lock

```
ADAX61 00006 2000-09-06 19:29:23 7. Global ET sync lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional    :         0
ADAX61 00006 2000-09-06 19:29:23           Granted        :         0
ADAX61 00006 2000-09-06 19:29:23           Rejected       :         0
ADAX61 00006 2000-09-06 19:29:23           Unconditional  :         0
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :         0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued        :         0
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :         0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Recovery Lock

```
ADAX61 00006 2000-09-06 19:29:23 8. Recovery lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional    :         0
ADAX61 00006 2000-09-06 19:29:23           Granted        :         0
ADAX61 00006 2000-09-06 19:29:23           Rejected       :         0
ADAX61 00006 2000-09-06 19:29:23           Unconditional  :         0
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :         0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued        :         0
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :         0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Hold ISN Locks

```
ADAX61 00006 2000-09-06 19:29:23 9. Hold ISN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional    :      3100
ADAX61 00006 2000-09-06 19:29:23           Granted        :      3100
ADAX61 00006 2000-09-06 19:29:23           Rejected       :         0
ADAX61 00006 2000-09-06 19:29:23           Unconditional  :         0
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :      3100
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued        :      3100
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :      3100
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Unique Descriptor Locks

```
ADAX61 00006 2000-09-06 19:29:23 10. Unique descriptor locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional    :         1
ADAX61 00006 2000-09-06 19:29:23           Granted        :         1
ADAX61 00006 2000-09-06 19:29:23           Rejected       :         0
ADAX61 00006 2000-09-06 19:29:23           Unconditional  :         0
ADAX61 00006 2000-09-06 19:29:23           Synchronous    :         1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous   :         0
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued              :           1
ADAX61 00006 2000-09-06 19:29:23           Synchronous          :           1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous         :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

ETID Locks

```
ADAX61 00006 2000-09-06 19:29:23 11. ETID locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional         :           1
ADAX61 00006 2000-09-06 19:29:23           Granted             :           1
ADAX61 00006 2000-09-06 19:29:23           Rejected            :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional       :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous         :           1
ADAX61 00006 2000-09-06 19:29:23           Asynchronous        :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous         :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous        :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

New Data RABN Locks

```
ADAX61 00006 2000-09-06 19:29:23 12. New-Data-RABN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional         :           0
ADAX61 00006 2000-09-06 19:29:23           Granted             :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected            :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional       :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous         :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous        :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous         :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous        :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Checkpoint Lock

```
ADAX61 00006 2000-09-06 19:29:23 13. Checkpoint lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional         :           0
ADAX61 00006 2000-09-06 19:29:23           Granted             :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected            :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional       :           6
ADAX61 00006 2000-09-06 19:29:23           Synchronous         :           6
ADAX61 00006 2000-09-06 19:29:23           Asynchronous        :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued             :           6
ADAX61 00006 2000-09-06 19:29:23           Synchronous         :           6
ADAX61 00006 2000-09-06 19:29:23           Asynchronous        :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

ET Data Lock

```
ADAX61 00006 2000-09-06 19:29:23 14. ET data lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional       :           0
ADAX61 00006 2000-09-06 19:29:23           Granted           :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional     :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued           :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Global Update Command Sync Lock

```
ADAX61 00006 2000-09-06 19:29:23 15. Global update command sync lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional       :           0
ADAX61 00006 2000-09-06 19:29:23           Granted           :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional     :          33
ADAX61 00006 2000-09-06 19:29:23           Synchronous       :          33
ADAX61 00006 2000-09-06 19:29:23           Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued           :          33
ADAX61 00006 2000-09-06 19:29:23           Synchronous       :          33
ADAX61 00006 2000-09-06 19:29:23           Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

Parameter Lock

```
ADAX61 00006 2000-09-06 19:29:23 16. Parameter lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional       :           0
ADAX61 00006 2000-09-06 19:29:23           Granted           :           0
ADAX61 00006 2000-09-06 19:29:23           Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23           Unconditional     :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued           :           0
ADAX61 00006 2000-09-06 19:29:23           Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAN41 00006 2000-09-06 19:29:23 Function completed
```

DXMSG - Display Messaging Performance Statistics

The DXMSG command can be used to display the messaging performance statistics available for Adabas Parallel Services.

The statistics produced by the DXMSG command can be used to determine the impact of messaging on system performance and to determine how to set the ADARUN MXMSG parameter related to the other alert and timeout enhancements in Adabas Parallel Services.

Sample Output

```
17:28:45 ADAI29 Oper cmd: DXMSG
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Messaging statistics
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message Control Block statistics
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Allocated                      224
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Used                             2
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Total requests               1,567
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Statistics for ACMD-type messages
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Messages sent                  771
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Messages arrived               796
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Messages accepted              796
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Replies sent                   794
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Statistics for XCF  transport service
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Messages subject to MXMSG
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message duration in seconds
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Minimum        0.000021
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Maximum        0.050979
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Mean           0.004110
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Std Dev        0.004507
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message count                  686
17:28:45 ADAX16 00226 2007-06-01 17:28:44 > 1000  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >   10  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >    1  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100 ms   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >   10 ms   8%                  56
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >    1 ms  81%                 553
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100 us  11%                  74
17:28:45 ADAX16 00226 2007-06-01 17:28:44 <= 100 us   0%                   3
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Messages not subject to MXMSG
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message duration in seconds
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Minimum        0.000938
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Maximum        0.047989
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Mean           0.010455
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Std Dev        0.009466
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message count                   83
17:28:45 ADAX16 00226 2007-06-01 17:28:44 > 1000  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >   10  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >    1  s   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100 ms   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >   10 ms  37%                  31
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >    1 ms  61%                  51
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100 us   1%                   1
17:28:45 ADAX16 00226 2007-06-01 17:28:44 <= 100 us   0%                   0
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Total for all messages
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message duration in seconds
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Minimum        0.000021
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Maximum        0.050979
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Mean           0.004795
```

```
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Std Dev          0.003194
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAX16 00226 2007-06-01 17:28:44 Message count               769
17:28:45 ADAX16 00226 2007-06-01 17:28:44 > 1000  s   0%                 0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100  s   0%                 0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >   10  s   0%                 0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >    1  s   0%                 0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100 ms   0%                 0
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >   10 ms  11%                87
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >    1 ms  79%               604
17:28:45 ADAX16 00226 2007-06-01 17:28:44 >  100 us  10%                75
17:28:45 ADAX16 00226 2007-06-01 17:28:44 <= 100 us   0%                 3
17:28:45 ADAX16 00226 2007-06-01 17:28:44
17:28:45 ADAN41 00226 2007-06-01 17:28:44 Function completed
```

The performance statistics are split into those that are subject to the ADARUN MXMSG parameter setting and those that are not; after each is reported separately in the output, a combined report is provided containing the summarization of the two for all messages.

In the DXMSG output, "Mean" refers to the average message duration (arithmetic mean of all the messages measured) and "Std Dev" refers to the related standard deviation (average deviation from the mean). The unit symbols used in the statistics are "s" for seconds, "ms" for milliseconds, and "us" for microseconds.

DXSTAT - Display Cache and Lock Statistics

Use DXSTAT to display all cache- and lock-related statistics.

The full set of global cache statistics shown in this output is displayed only for users who have the selectable unit Adabas Online System (AOS) installed.

If you have installed only the demo version of AOS delivered with Adabas, only the global cache statistics in the sections *Totals*, *Data Storage*, and *Normal Index* are displayed using this command. All file cache statistics for files and all global lock statistics are displayed.

Sample Output

```
ADAI29 OPER CMD: DXSTAT
```

Global Cache Statistics

```
ADAX61 00006 2000-09-06 19:29:23 Global cache statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out dir   :                     35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     35
ADAX61 00006 2000-09-06 19:29:23


ADAX61 00006 2000-09-06 19:29:23 Unlock cast-out:                     35
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                     34
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Directory reads:                      1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                      0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                      1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Totals:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads           :                        1,681
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                           71
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                        1,610
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache       :                          888
ADAX61 00006 2000-09-06 19:29:23  Not in cache   :                          793
ADAX61 00006 2000-09-06 19:29:23  Area full      :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes          :                       25,467
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                       22,724
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                        2,743
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written        :                       25,467
ADAX61 00006 2000-09-06 19:29:23  Not written    :                            0
ADAX61 00006 2000-09-06 19:29:23  Area full      :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates       :                       65,552
ADAX61 00006 2000-09-06 19:29:23  Block invalid  :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads  :                        1,727
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                          265
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                        1,462
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes         :                            0
ADAX61 00006 2000-09-06 19:29:23  Timeouts       :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 AC:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads           :                           11
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                           11
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache       :                            6
ADAX61 00006 2000-09-06 19:29:23  Not in cache   :                            5
ADAX61 00006 2000-09-06 19:29:23  Area full      :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes          :                        2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                        2,608
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                           36
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written        :                        2,644
ADAX61 00006 2000-09-06 19:29:23  Not written    :                            0
ADAX61 00006 2000-09-06 19:29:23  Area full      :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates       :                        8,772
ADAX61 00006 2000-09-06 19:29:23  Block invalid  :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads  :                           38
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                           38
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes         :                            0
ADAX61 00006 2000-09-06 19:29:23  Timeouts       :                            0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 DS:
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads           :                    1,609
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                    1,609
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache       :                      855
ADAX61 00006 2000-09-06 19:29:23  Not in cache   :                      754
ADAX61 00006 2000-09-06 19:29:23  Area full      :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes          :                    2,645
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                    2,645
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written        :                    2,645
ADAX61 00006 2000-09-06 19:29:23  Not written    :                        0
ADAX61 00006 2000-09-06 19:29:23  Area full      :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates       :                    6,603
ADAX61 00006 2000-09-06 19:29:23  Block invalid  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads  :                    1,461
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                        0
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                    1,461
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes         :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts       :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 DSST:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads           :                        1
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                        1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache       :                        0
ADAX61 00006 2000-09-06 19:29:23  Not in cache   :                        1
ADAX61 00006 2000-09-06 19:29:23  Area full      :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes          :                    2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                    2,622
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                       22
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written        :                    2,644
ADAX61 00006 2000-09-06 19:29:23  Not written    :                        0
ADAX61 00006 2000-09-06 19:29:23  Area full      :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates       :                    3,969
ADAX61 00006 2000-09-06 19:29:23  Block invalid  :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads  :                       34
ADAX61 00006 2000-09-06 19:29:23  Synchronous    :                       33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous   :                        1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes         :                        0
ADAX61 00006 2000-09-06 19:29:23  Timeouts       :                        0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 FCB:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads           :                        2
```

```
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              2
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                              0
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                              2
ADAX61 00006 2000-09-06 19:29:23   Area full    :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                          2,132
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          2,123
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              9
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                          2,132
ADAX61 00006 2000-09-06 19:29:23   Not written  :                              0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                         17,000
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                             33
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                             33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                              0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 NI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                             50
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                             49
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   In cache     :                             25
ADAX61 00006 2000-09-06 19:29:23   Not in cache :                             25
ADAX61 00006 2000-09-06 19:29:23   Area full    :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                          7,767
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          7,747
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                             20
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23   Written      :                          7,767
ADAX61 00006 2000-09-06 19:29:23   Not written  :                              0
ADAX61 00006 2000-09-06 19:29:23   Area full    :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                          7,273
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                            101
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                            101
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                              0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 UI:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                              8
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              8
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              0
```

```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                              2
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                              6
ADAX61 00006 2000-09-06 19:29:23  Area full     :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                          7,635
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          7,624
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                             11
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                          7,635
ADAX61 00006 2000-09-06 19:29:23  Not written   :                              0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                         21,935
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                             60
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                             60
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                              0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File statistics for files with over 25
ADAX61 00006 2000-09-06 19:29:23 percent of the total cache statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File     1:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                          1,672
ADAX61 00006 2000-09-06 19:29:23 Writes         :                         22,798
ADAX61 00006 2000-09-06 19:29:23 Validates      :                         61,531
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
```

File Cache Statistics for Files

```
ADAX61 00006 2000-09-06 19:29:23 File     0:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads          :                              1
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              1
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                              0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                              1
ADAX61 00006 2000-09-06 19:29:23  Area full     :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes         :                          2,644
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          2,622
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                             22
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                          2,644
ADAX61 00006 2000-09-06 19:29:23  Not written   :                              0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates      :                          3,969
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                             34
```

```
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              33
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                               1
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                               0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File    1:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                           1,672
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              64
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                           1,608
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                             888
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                             784
ADAX61 00006 2000-09-06 19:29:23  Area full     :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                          22,798
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                          20,082
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                           2,716
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                          22,798
ADAX61 00006 2000-09-06 19:29:23  Not written   :                               0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                          61,531
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                           1,677
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                             221
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                           1,456
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                               0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 File    9:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Reads         :                               8
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                               6
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                               2
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  In cache      :                               0
ADAX61 00006 2000-09-06 19:29:23  Not in cache  :                               8
ADAX61 00006 2000-09-06 19:29:23  Area full     :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Writes        :                              25
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              20
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                               5
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23  Written       :                              25
ADAX61 00006 2000-09-06 19:29:23  Not written   :                               0
ADAX61 00006 2000-09-06 19:29:23  Area full     :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Validates     :                              52
ADAX61 00006 2000-09-06 19:29:23  Block invalid :                               0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Cast-out reads :                              16
ADAX61 00006 2000-09-06 19:29:23  Synchronous   :                              11
```

```
ADAX61 00006 2000-09-06 19:29:23  Asynchronous  :                           5
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Deletes        :                           0
ADAX61 00006 2000-09-06 19:29:23  Timeouts      :                           0
```

Global Lock Statistics

```
ADAX61 00006 2000-09-06 19:29:23 Global lock statistics:
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 1. GCB lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :             0
ADAX61 00006 2000-09-06 19:29:23           Granted      :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :             0
ADAX61 00006 2000-09-06 19:29:23           Unconditional :            0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued      :             0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 2. Security lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :             0
ADAX61 00006 2000-09-06 19:29:23           Granted      :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :             0
ADAX61 00006 2000-09-06 19:29:23           Unconditional :            0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued      :             0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 3. FST lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :             0
ADAX61 00006 2000-09-06 19:29:23           Granted      :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :             0
ADAX61 00006 2000-09-06 19:29:23           Unconditional :            0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued      :             0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 4. File-lock-table lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional  :             0
ADAX61 00006 2000-09-06 19:29:23           Granted      :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected     :             0
ADAX61 00006 2000-09-06 19:29:23           Unconditional :            0
ADAX61 00006 2000-09-06 19:29:23           Synchronous  :             0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued      :             0
```

```
ADAX61 00006 2000-09-06 19:29:23                Synchronous     :              0
ADAX61 00006 2000-09-06 19:29:23                Asynchronous    :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 5. Online save lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 6. Buffer flush lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :             38
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :             38
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :             38
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :             38
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 7. Global ET sync lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 8. Recovery lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :              0
ADAX61 00006 2000-09-06 19:29:23           Granted          :              0
ADAX61 00006 2000-09-06 19:29:23           Rejected         :              0
ADAX61 00006 2000-09-06 19:29:23           Unconditional    :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :              0
ADAX61 00006 2000-09-06 19:29:23           Synchronous      :              0
ADAX61 00006 2000-09-06 19:29:23           Asynchronous     :              0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 9. Hold ISN locks
ADAX61 00006 2000-09-06 19:29:23
```

```
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :        3100
ADAX61 00006 2000-09-06 19:29:23          Granted           :        3100
ADAX61 00006 2000-09-06 19:29:23          Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23          Unconditional     :           0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :        3100
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :        3100
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :        3100
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 10. Unique descriptor locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :           1
ADAX61 00006 2000-09-06 19:29:23          Granted           :           1
ADAX61 00006 2000-09-06 19:29:23          Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23          Unconditional     :           0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           1
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :           1
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           1
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 11. ETID locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :           1
ADAX61 00006 2000-09-06 19:29:23          Granted           :           1
ADAX61 00006 2000-09-06 19:29:23          Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23          Unconditional     :           0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           1
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :           0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 12. New-Data-RABN locks
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :           0
ADAX61 00006 2000-09-06 19:29:23          Granted           :           0
ADAX61 00006 2000-09-06 19:29:23          Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23          Unconditional     :           0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued          :           0
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 13. Checkpoint lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional      :           0
ADAX61 00006 2000-09-06 19:29:23          Granted           :           0
ADAX61 00006 2000-09-06 19:29:23          Rejected          :           0
ADAX61 00006 2000-09-06 19:29:23          Unconditional     :           6
ADAX61 00006 2000-09-06 19:29:23          Synchronous       :           6
ADAX61 00006 2000-09-06 19:29:23          Asynchronous      :           0
```

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```
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued               :             6
ADAX61 00006 2000-09-06 19:29:23          Synchronous           :             6
ADAX61 00006 2000-09-06 19:29:23          Asynchronous          :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 14. ET data lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :             0
ADAX61 00006 2000-09-06 19:29:23           Granted             :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected            :             0
ADAX61 00006 2000-09-06 19:29:23          Unconditional        :             0
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :             0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued              :             0
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :             0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 15. Global update command sync loc
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :             0
ADAX61 00006 2000-09-06 19:29:23           Granted             :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected            :             0
ADAX61 00006 2000-09-06 19:29:23          Unconditional        :            33
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :            33
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued              :            33
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :            33
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 16. Parameter lock
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Obtains - Conditional          :             0
ADAX61 00006 2000-09-06 19:29:23           Granted             :             0
ADAX61 00006 2000-09-06 19:29:23           Rejected            :             0
ADAX61 00006 2000-09-06 19:29:23          Unconditional        :             0
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :             0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23 Releases - Issued              :             0
ADAX61 00006 2000-09-06 19:29:23          Synchronous          :             0
ADAX61 00006 2000-09-06 19:29:23          Asynchronous         :             0
ADAX61 00006 2000-09-06 19:29:23
ADAX61 00006 2000-09-06 19:29:23
ADAN41 00006 2000-09-06 19:29:23 Function completed
```

MXCANCEL - Dynamically Change MXCANCEL Parameter Setting

The MXCANCEL command can be used to dynamically change (while the Adabas nucleus is running) the setting of the MXCANCEL ADARUN parameter for a nucleus. This command can be used to specify the maximum number of seconds for which one cluster nucleus waits for the termination of another nucleus in the cluster that it has canceled for not responding to an internal, intracluster command. Valid values range from 15 through 2,147,483,647.

If the new MXCANCEL value is less than or equal to the current MXCANCELWARN setting, the MXCANCELWARN setting is automatically set to zero (0). (You can then use the MXCANCELWARN command to dynamically set the MXCANCELWARN setting appropriately.)

For more information about the MXCANCEL setting for a nucleus, read about the ADARUN MXCANCEL parameter in *MXCANCEL: Timeout Threshold for Canceled Peer Nucleus*.

MXCANCELWARN - Dynamically Change MXCANCELWARN Parameter Setting

The MXCANCELWARN command can be used to dynamically change (while the Adabas nucleus is running) the setting of the MXCANCELWARN ADARUN parameter for a nucleus. This command can be used to specify the number of seconds after an intracluster cancellation request is made when the cluster nucleus requesting the cancellation should issue warnings about the inability of the canceled peer nucleus to terminate. Valid values range from 4 through 2,147,483, 647 or zero (0).

The value of the MXCANCELWARN setting must be less than the value of the MXCANCEL setting. If MXCANCELWARN is set to a value greater than or equal to the value specified for MXCANCEL, the value is rejected. If MXCANCELWARN is set to zero, no warnings are issued about canceled cluster nuclei that are slow to terminate.

For more information about the MXCANCELWARN setting for a nucleus, read about the ADARUN MXCANCELWARN parameter in *MXCANCELWARN : Timeout Threshold for Canceled Peer Nucleus Warning*.

MXMSG - Dynamically Change MXMSG Parameter Setting

The MXMSG command can be used to dynamically change (while the Adabas nucleus is running) the setting of the MXMSG ADARUN parameter for a nucleus. This command can be used to specify the maximum number of seconds in which one cluster nucleus waits for the response of another nucleus in the cluster to an internal, intracluster command. Valid values range from 15 through 32,767.

If the new MXMSG value is less than or equal to the current MXMSGWARN setting, the MXMSGWARN setting is automatically set to zero (0). (You can then use the MXMSGWARN command to dynamically set the MXMSGWARN setting appropriately.)

For more information about the MXMSG setting for a nucleus, read about the ADARUN MXMSG parameter in *MXMSG: Timeout Threshold for Internucleus Command Processing*.

MXMSGWARN - Dynamically Change MXMSGWARN Parameter Setting

The MXMSGWARN command can be used to dynamically change (while the Adabas nucleus is running) the setting of the MXMSGWARN ADARUN parameter for a nucleus. This command can be used to specify the number of seconds after an intracluster request is made when the cluster nucleus issuing the intracluster request should issue warnings about the failure of the target cluster nucleus to respond. Valid values range from 4 through 32,767 or zero (0).

The value of MXMSGWARN must be less than the value of MXMSG. If MXMSGWARN is set to a value greater than or equal to the value specified for MXMSG, the value is rejected. If MXMSGWARN is set to zero, no warnings are issued about cluster nuclei that are slow to respond.

For more information about the MXMSGWARN setting for a nucleus, read about the ADARUN MXMSGWARN parameter in *MXMSGWARN : Timeout Threshold for Internucleus Command Processing Warning*.

MXWTOR - Dynamically Change MXWTOR Parameter Setting

The optional MXWTOR command can be used to dynamically change (while the Adabas nucleus is running) the setting of the MXWTOR ADARUN parameter for a nucleus. This command can be used to specify the maximum number of seconds that a cluster nucleus should wait for an operator response to a self-terminating operator query. Valid values range from 15 through 64,800 or zero (0).

If MXWTOR is set to zero, the operator query does not occur (no ADAX9J messages are written) and no operator intervention is expected.

For more information about the MXWTOR setting for a nucleus, read about the ADARUN MXWTOR parameter in *MXWTOR : Self-Termination Operator Query Interval*.