

Buffer Statistics

This section describes how to obtain and use the buffer statistics available for the active Adabas Fastpath buffer.

- Buffer Statistics and Interaction Menu
- Buffer Information
- Database and File Information
- Job Information
- System Job Information

Buffer Statistics and Interaction Menu

Active Fastpath buffers can be monitored and controlled by selecting option code 2 on the Online Services main menu or by entering the command 2 on the command line.

The Buffer Statistics and Interaction menu is then displayed.

```

17:40:46      ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****      2006-05-19
              - Buffer Statistics and Interaction -                        F12000M1

              Code      Service
              ----      -
              1          Buffer Information
              2          Database and File Information
              3          Optimized Job Information
              4          System Job Information
              .          Exit
              ----      -
Code ..: _

      ABM Node ID: 33      SYSCO33
      Status: Active
      Started Feb  4,2003 at 12:56

      Job Connection Status: Connected to SYSCO33

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit                                          Menu

```

Buffer Statistics and Interaction

The following fields are provided:

Field	Description
Code	Option code. The following options are available: 1: display buffer information 2: display database and file information 3: display optimized job information 4: display system job information
ABM Node ID	The Node ID for the buffer being displayed Note: You can display buffer information for a different Node ID by entering the corresponding Node ID in this field. Note: You can enter a Node ID and press Enter without selecting a code to check the validity of the node.
Status	Indicates whether or not the buffer is active and when it was last started.
Job Connection Status	The FASTABM/System Coordinator group member to which this job is connected.

Buffer Information

Selecting option code 1 on the Buffer Statistics and Interaction screen invokes the General Information screen.

Note:

You can also access this screen by entering 2.1 on the command line.

```

17:49:00 ***** A D A B A S FASTPATH SERVICES 8.1.2 *****
                                - General Information -
                                F12100MA
                                2006-05-19

Buffer Type: Global      Name: SYSCO33      SVC: 240 DB: 33
Connected to:                                Buffer Status : Active
Started: Feb 4,2003 at: 12:56      Ave Memory Val: 12
Address: 099D3000 Size(k): 1024      Session Number: 111

----- Buffer Statistics -----

Access Type      Attempts (13%) <-----Successes (66%)

Read-ahead:      3,586 (10%)      2,892 (80%)
Direct:          1,291 (3%)      342 (26%)
RCs:              49 (0%)      49 (3%)
Excluded:        28,325 (87%)

Total:           33,251 (100%)      3,283 (9%)

-----

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit Refr Serv Excl      Parm Zero Node Menu

```

General Information

The first section of this screen provides general information for the buffer. The following information is provided:

Field	Description
Buffer Type	The buffer type (global, member).
Name	The buffer name.
SVC	The Adabas SVC used for this buffer.
DB	The Adabas database for which this buffer is used to provide optimization.
Connected to	The job to which the buffer is connected.
Buffer Status	Indicates whether or not the buffer is currently active.
Started	The time at which the buffer was last started.
Ave Memory Val ... Session Number	These fields are reserved for Software AG use.

The next section provides the buffer statistics. The following information is provided:

Field	Description
Access Type	Attempts: the percentage of optimization attempts (optimization attempts divided by total number of commands). Successes: the percentage of successful optimization attempts (successful optimization attempts divided by number of optimization attempts).
Read-Ahead	Attempts: the number of read-ahead optimization attempts, and the attempt percentage (read-ahead optimization attempts divided by total number of commands). Successes: the number of successful read-ahead optimization attempts, and the percentage of successful attempts (successful read-ahead optimization attempts divided by read-ahead optimization attempts).
Direct	Attempts: the number of direct access optimization attempts, and the attempt percentage (direct access optimization attempts divided by total number of commands). Successes: the number of successful direct access optimization attempts, and the percentage of successful attempts (successful direct access optimization attempts divided by direct access optimization attempts).
RCs	Attempts is always equal to successes. This is the number of optimized RCs that immediately followed a direct access command (without any intervening "next" commands).
Excluded	Attempts: the number of commands which were excluded from optimization, and percentage (number of excluded commands divided by total number of commands). Note: For more information on excluded attempts, use PF6.
Total	Attempts: the total number of commands encountered by Adabas Fastpath. Successes: the total number of successful optimization attempts, and the percentage of successful attempts (successful optimization attempts divided by total number of commands).

Pressing PF6 from any of the buffer information screens displays the Excluded Command Analysis screen:

```

18:42:31  ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****                2006-06-14
          -   Excluded Command Analysis   -                                F12100ME

          Buffer: Global A8P17004 Node Id: 17004 **

Statistics for commands that have optimization potential but were
unable to be optimized:

          Unsuitable command type:                                1609
          Disqualified:                                           26684
          Optimization was disabled:                               3
          Multi-fetch was already set:                             0
          Command details exceed Set-id limit:                     0
          Record Buffer exceeds the limit:                          41

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit  Refr  Serv      Gen      Parm  Zero  Node  Menu

```

Excluded Command Analysis

This screen displays the following information:

Information	Description
Excluded - Reasons	The total number of commands excluded from optimization for the listed reasons. For more information, see Excluded Commands.

Note:

This same analysis can be displayed for jobs, databases, and files.

Pressing PF9 from any of the buffer information screens invokes the General Parameters screen:

Parameter Display

16:49:32	*****	A D A B A S	FASTPATH SERVICES 8.1.2 (I001)	*****	2006-10-09
- General Parameters -					F12100MF
Buffer: Global ICFDCOR1 Node ID: 650					
		Initial		Commands	
Main Parameters	Value	Allocation	Peak Usage	Ignored	
Size(k)..Min: 2047	2048	2047	43%		
Maximum Jobs:	12		1	0	
RB Length Limit:	2048			0	
Set Length Limit:	1024			0	
Other Parameters		Value	Value		
Default pacing rate:	10	Set Concurrency:	2		
Freespace Index Entries:	512	Average Item Size:	256		
Log every n minutes:	60	Keep for n days:	30		
Autorestart:	Y	Restart every n Hrs:	4		
Restart Time:	08:00	Synchronous Remote Updates:	Y		
Direct Access:	ON	Read-ahead Processing:	ON		
FIND SX/L1:	ON	READ PHYSICAL L2:	ON		
READ LOGICAL L3:	ON	HISTOGRAM L9:	ON		
Command ==>					
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---					
Help		Exit	Serv	Excl	Gen Node Menu

For description and use of these parameters, see section Adabas Fastpath Parameters.

The following PF keys are available throughout the series of buffer information screens:

PF Key	Name	Function
PF4	Refr	Refreshes the statistics
PF5	Serv	Invokes the function Asynchronous Buffer Services
PF5	Parms	Displays the file parameters for this buffer
PF6	Excl	Displays the Excluded Command Analysis screen
PF6	Look	Invokes AFPLOOK
PF7	Gen	Reverts to the General Information screen
PF9	Parm	Displays the General Parameters screen
PF9	More	Displays the next file or job detail display
PF10	Cntl	Displays details of the master control set for the file
PF10	Conc	Displays set concurrency information
PF10	SysJ	Toggles from the User Job Summary to the System Job Summary screen
PF10	UserJ	Toggles from the System Job Summary to the User Job Summary screen
PF10	Zero	Resets the display counts to zero and automatically refreshes
PF11	Node	Displays the Buffer Statistics menu

Database and File Information

Selecting option code 2 on the Buffer Statistics and Interaction screen, invokes the Database Summary screen.

Note:

You can also access this screen by entering 2.2 on the command line.

For each database, a summary of activity is displayed as shown on the following example screen:

```

10:25:30      ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****                2006-05-19
              Database Summary from Global  SYSCO33 Node ID 33                      F12200MA

Buffer Session: 111              Started: Feb  4,2003  12:56   Size(k): 1024

C      DB SVC    Attempts      Optimized      Set Usage(k)      Status
-      19 240
-      198 240      5607          3774          114      Remote Optimizing

Totals:          5607 100%      3774 100%          114 100%
Mark with F(file),D(etail),S(ervices)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit  Refr                                Node  Menu

```

Database Summary

The following information is provided on this screen:

Field	Description
Buffer Session	The buffer session number.
Started	The time at which the buffer was last started.
Size	The memory allocation for the buffer.
C	Option code. The following options are available: d: display detailed database information f: display file summary information s: perform database service (stop/start optimization).
DB	The Adabas database.
SVC	The Adabas SVC.
Attempts	The total number of optimization attempts.
Optimized	The total number of successful optimization attempts.
Set Usage	The number of direct access sets used.
Status	The status of the database.

Database Services

If the option code `s` is selected for a database, the following window is displayed:

```

10:27:51                                2006-05-19
                                           F12200MC

      Stop/Start Optimization
      for: Database 198

          S Stop Optimization
          R Start Optimization
          . Exit
Code..:

Command ==>
          PF1 Help   PF3 Exit

```

Database Services

Using this window, you can stop/restart optimization for a database.

If database optimization is stopped, no further optimization occurs for its files and sets. In addition, all direct access data is removed from the Adabas Fastpath buffer for sets belonging to files within this database.

Note:

A similar service is available at the file and file set levels.

Detailed Database Information

If the option code **d** is selected for a database, the Database Details screen is displayed.

This screen contains a performance analysis for the selected database.

10:29:44	***** A D A B A S FASTPATH SERVICES 8.1.2 *****	2006-05-19
	Database Details from Global SYSCO33 Node ID 33	F12200MB
	Database: 198 SVC: 240	
----- Optimization Summary -----		
Access Type	Attempts (98%) <-----	Successes (67%)
Read-ahead:	3,676 (64%)	2,938 (79%)
Direct:	1,953 (34%)	853 (43%)
RCs:	53 (0%)	53 (2%)
Excluded:	31 (0%)	
Total:	5,713 (100%)	3,844 (67%)

Updates:	11	Over-reads: 91 (3%)
Status 1: 40 0C 20 10	Bad Response:	Lock: 00000000 DBE Addr: 099F07C0
ADABAS Vers: 811	Hex: 07010200	Location: 040000FF
DBID from GCB: 198	Nuc ID: 198	
Command ==>		
Enter-PF1---	PF2---PF3---PF4---	PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
Help	Exit Refr	Excl Zero Node Menu

Database Details

The first section of this screen (Optimization Summary) provides optimization statistics for this database. This information is provided in the same format as that provided at the buffer level (see section Buffer Information). The statistics shown at the database level are exclusively for commands that are eligible for optimization. The excluded count therefore differs from the buffer level count.

The second section of this screen provides the following information:

Field	Description
Updates	The number of update commands processed for this database.
Over-reads	The number of read-aheads performed but not needed by the application, and the percentage of non-needed over-reads to the number of successful read-aheads. Non-needed over-reads represent overhead that may reduce the effectiveness of read-ahead optimization. In general, over-reads should not exceed 25% of read-ahead successes.
Status ... Nuc ID	These fields are reserved for Software AG use.

Excluded Command Analysis

Pressing PF6 on the Database Details screen displays the excluded command analysis for the selected database:

```

18:49:31  ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****      2006-06-14
          Database Details From Global A8P17004 Node Id 17004 **      F12200MG

Statistics for commands that have optimization potential but were
unable to be optimized:

Unsuitable command type:                0
Disqualified:                          0
Optimization was disabled:              4
Multi-fetch was already set:            0
Command details exceed Set-id limit:    0
Record Buffer exceeds the limit:        86

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit  Refr  Serv      Gen      Parm  Zero  Node  Menu

```

Excluded Command Analysis

The information is provided in the same format as that provided at the buffer level (see section Buffer Information).

Note:

A similar analysis can be displayed from the file detail screen.

Summary File Information

If the option code **f** is selected for a database, the File Summary screen is displayed.

Note:

You can also access this screen by entering 2.2.1 on the command line.

This screen displays a summary of activity for each file in the selected database.

10:32:21		***** A D A B A S FASTPATH SERVICES 8.1.2 *****			2006-05-19
		File Summary from Global SYSCO33 Node Id 33			F12210MA
		Database: 198		SVC 240	
C	File	Attempts	Optimized	Set Usage(k)	Status
—	7	3674 (64%)	2536 (65%)	15 (13%)	Optimizing
—	19	2051 (36%)	1347 (35%)	98 (86%)	Optimizing
Totals:		5725 100%	3883 100%	114 100%	
Mark with D(etail),F(ile Sets),S(ervices)					
Command ==>					
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12					
Help		Exit	Refr	Node Menu	

File Summary

The following information is provided:

Field	Description
C	Option code. The following options are available: d: display detailed database information d: display detailed file information f: display file set summary s: perform file service (stop/start optimization)
File	The Adabas file number.
Attempts	The total number and percentage of optimization attempts.
Optimized	The total number and percentage of successful optimization attempts.
Set Usage	The number and percentage of direct access sets used.
Status	The status of the file (optimizing or not optimizing).

Detailed File Information

If option code d is selected on the File Summary screen, the File Details screen is displayed.

This screen contains optimization performance information for the selected file.

10:33:26	***** A D A B A S FASTPATH SERVICES 8.1.2 *****	2006-05-19
	File Details from Global SYSCO33 Node Id 33	F12210MB
	Database: 198 SVC 240 File: 7	
----- Optimization Summary -----		
Access Type	Attempts (99%) <-----	Successes (69%)
Read-ahead:	2,921 (79%)	2,508 (85%)
Direct:	740 (20%)	15 (2%)
RCs:	13 (0%)	13 (1%)
Excluded:	12 (0%)	
Total:	3,686 (100%)	2,536 (68%)

Updates:	Over-reads:	57 (2%)
Set Limit(k): 1024		Update Sensitivity: R
Set Id Length Limit: 1024	RB Length Limit: 2048	Set Concurrency: 2
Status: 00 D4 Last RC:	Next Event: 0:00	Addr: 099F29C0
Command ==>		
Enter-PF1---	PF2---PF3---	PF4---PF5---
Help	Exit Refr	Excl
	More Zero	Node Menu

File Details

The first section of this screen (Optimization Summary) provides optimization statistics for the file. This information is provided in the same format as that provided at the database level.

The second section of this screen provides the following information:

Field	Description
Updates	The number of update commands processed for this file.
Over-reads	The number of read-aheads performed but not needed by the application, and the percentage of non-needed over-reads to the number of successful read-aheads. Non-needed over-reads represent overhead that may reduce the effectiveness of read-ahead optimization. In general, over-reads should not exceed 25% of read-ahead successes.
Set Limit ... Set Concurrency	The current settings for various file optimization parameters. For a description of each parameter, see the section Adabas Fastpath Parameters.
Status ... Addr	These fields are reserved for Software AG use.

Pressing PF9 invokes the second File Details screen. This screen shows whether or not optimization has been defined for the Adabas command/descriptor pairs which are used to access the file.

```

10:37:21      ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****                2006-05-19
-   File Details for File 19 DBID 198 SVC 240   -                               F12210ME
      Expanded File N

      On/Off Adabas Field Overrides      .....Direct Access.....
      L1   On
      L3   On
      L9   On
      S1   On
      S2   On

Over-reads   Default Adabas Field Overrides      .....Read-ahead.....
      L1   On
      L2   On
34  L3   On
      L9   On
      S1   On
      S2   On
      S8   On
      S9   On

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12
      Help      Exit      Excl  Gen      Node  Menu

```

File Details 2

The two sections of the screen provide optimization information for direct access and read-ahead commands respectively.

The following information is provided:

Field	Description
Command	Adabas command.
On/Off	Indicates whether or not optimization is in effect for the command.
Adabas Field Overrides	Indicates whether or not Adabas field overrides have been defined.
Over-reads	The number of read-aheads performed but not needed for the command. Non-needed over-reads represent overhead that may reduce the effectiveness of read-ahead optimization. In general, over-reads should not exceed 25% of read-ahead successes.

File Set Summary Information

If the option code **f** is entered for a file on the File Summary screen, the Set Summary screen is displayed. This screen contains summary information for each Adabas command/descriptor pairing:

Note:

You can also access this screen by entering 2.2.2 on any command line.

Note:

You can also access this screen using PF9 from AFPLOOK File Details or File Parameter Maintenance. In addition, this screen gives hot key access to AFPLOOK (PF6) and File Parameters (PF5). Pressing PF10 displays details of the master control set for the file.

```

10:38:27  ***** A D A B A S  FASTPATH SERVICES 8.1.2  *****                2006-05-19
Set Summary from Global SYSCO33 Node Id 33                                     F12220MA

Database: 198      SVC 240 File: 19

Number of Items....      Memory (k).... Efficiency Ratings
C CC De Sets      In Use      Peak      Optimized      In Use      Peak      Set Memory Growth
_ L1      2          5          24          25          5          27          9          5      0.13
_ L3 KK    3          10         32          75          12         39          5          6      0.15
_ S1 KK    2          19         40          772         2          21          9         386     10.15
_ L3 KK    1          8           5           5           9          5

Mark with D(etail),F(ull Set List)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
Help          Exit  Refr  Parm Look          Cntl  Node  Menu

```

File Set Summary List

The following information is provided:

Field	Description
C	Option code. The following options are available: d: display detailed set information f: display full set list
CC De	The Adabas command/descriptor pair for which information is provided.
Sets	The number of sets that have been added together to make the summary.
Number of Items	The number of items (records) in use at the present time, the peak number of items used, and the number of times items in the set were used for optimization.
Memory	The memory in use to hold the data in the sets (in k) and the peak memory usage for all sets.
Efficiency Ratings	<p>Set Efficiency. The nominal CPU effort needed to maintain the set(s) (for example, adding, removing, overwriting) versus the CPU effort saved by optimization. The rating is on a scale of 0 to 9, where 0 means that the set(s) are estimated to use more CPU in maintenance than it gains by optimization.</p> <p>Memory. The number of commands optimized for the set(s) divided by the memory used. The higher the rating (maximum 9999), the better the value of the set(s) in terms of memory usage.</p> <p>Growth Rating. A ratio of the memory value rating to the average memory value for the whole Adabas Fastpath buffer. A rating of 1.00 is average. Adabas Fastpath uses this rating to increase set expansion for sets above average (> 1.00) and to restrict expansion for below average sets.</p>

File Set List

If the option code f is selected for a command/descriptor pair on the File Set Summary screen, the Set Summary screen will be displayed.

This screen contains an activity summary for each direct access set used by the selected command/descriptor pair.

```

10:39:56  ***** A D A B A S  FASTPATH SERVICES 8.1.2  *****                2006-05-19
Set Summary from Global SYSCO33 Node Id 33                                F12230MA

Database: 198      SVC 240 File: 19      CC: L3 De: KK

Number of Items.....      Memory (k).....      Efficiency Ratings
C  SSID      In Use      Peak  Optimized  In Use      Peak      Set Memory Growth
-   3          4          16      45          4          19          5      11      0.28
-   5          6          8       30          7          10          7       4      0.10
-   7          8          8              10

Mark with D(etail),S(start/stop)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help          Exit  Refr                                Cntl  Node  Menu

```

File Set List for Command/Descriptor

The following information is provided:

Field	Description
C	Option code. The following options are available: d: display detailed set information s: start/stop optimization for the set
SSID	SSID (Short Set ID) is a number used internally to identify different sets. The lower the number, the older the set.
Sets ... Ratings	The remaining fields on this screen are as described in the previous section File Set Summary.

Detailed Set Information

The Set Detail screen can be invoked by selecting the option code d for a set or pressing PF10 on the File Set Summary screen:


```

10:40:31 ***** A D A B A S FASTPATH SERVICES 8.1.2 ***** 2006-05-19
Set Detail from Global SYSCO33 Node Id 33 F12230MB

Database: 198 SVC 240 File: 19

Command: L3 Primary Descriptor: KK SSID: 3

Efficiency Ratings: Set: 5 Memory: 11 Growth: 0.28
Items - Optimized: 45 Added: 15 Collisions:
Current: 4 Peak: 5 Free: 12
Removed: 11 RLU: 11 Overwrites:
Set Resets:
Memory - Used(k): 4 Peak(k): 19 Free(k): 1
Status: 00 C8 0E 08 Expansion: 1 Acc.Mask Entries 1
Used FB: 27 RB: 1056 Indexes: 3 Address: 09A00234
Lengths: SB: 8 VB: 32 Code: Lock: 00000000
SetID Length: 47
Reject:
SB KK,32,B.
FB KK,032,B,DD0001-0016,064,B.

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
Help Exit Refr Conc Menu

```

Set Detail

The following information is provided:

Field	Description
Efficiency Ratings	<p>Set Efficiency. The nominal CPU effort needed to maintain the set(s) (for example, adding, removing, overwriting) versus the CPU effort saved by optimization. The rating is on a scale of 0 to 9, where 0 means that the set(s) are estimated to use more CPU in maintenance than it gains by optimization.</p> <p>Memory. The number of commands optimized for the set(s) divided by the memory used. The higher the rating (maximum 9999), the better the value of the set(s) in terms of memory usage.</p> <p>Growth Rating. A ratio of the memory value rating to the average memory value for the whole Adabas Fastpath buffer. A rating of 1.00 is average. Adabas Fastpath uses this rating to increase set expansion for sets above average (> 1.00) and to restrict expansion for below average sets.</p>
Items ...	<p>Optimized: the number of successful optimizations from data records in the set.</p> <p>Added: the number of times a data record was inserted into the set.</p> <p>Collisions: the number of times a set was inaccessible because concurrency for the set was exhausted.</p> <p>Current: the number of data records currently in the set.</p> <p>Peak: the highest number of data records which have been in the set.</p> <p>Free: the number of free data item areas currently available.</p> <p>Removed: the number of data records which have been removed from the set.</p> <p>RLU: the number of times an individual data record was removed from the set as a result of a database modification command (for example, update, insert, delete).</p> <p>Overwrites: the number of times a new data record was inserted by overwriting an existing record because no free area was available.</p> <p>Set Resets: the number of times a complete set was emptied.</p>
Memory	The memory in use to hold the data in the sets (in k) and the peak memory usage for all sets.
Status ... Reject	These fields are reserved for Software AG use.

Press PF10 to display set concurrency information.

Job Information

Selecting option code 3 on the Buffer Statistics and Interaction menu, displays the Job Summary screen.

Note:

You can also access this screen by entering 2.3 on the command line.

This screen displays a summary of activity for each job.

14:37:30 ***** A D A B A S FASTPATH SERVICES 8.1.2 - DEMO *****						2006-05-19
- Job Summary for Global SYSCO33 Node ID 33 -						F12300MA
Buffer Session: 3		Started: May 19,2006 13:59		Size(k): 4096		
C	Job Name	Number	Job Type	Attempts	Optimized	Memory(k) Status
_	DAEFCODE	C30694	COM-LETE	258	194	Active
_						Unused
_						Unused
_						Unused
_						Unused
_						Unused
_						Unused
_						Unused
_						Unused
_	GXNDGP72	B41763	Batch			Disconnected
_	GXNDGP72	B41766	Batch			Disconnected
Mark with D(etail),S(ervices)						
Command ==>						
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12						
Help			Exit Refr		Sysj Node Menu	

Optimized Job Summary

The following information is provided:

Field	Description
C	Option code. The following options are available: d: display detailed job information s: stop/start optimization
Job Name Number Type	The job name, job number and job type.
Attempts	The number of optimization attempts.
Optimized	The number of successful optimization attempts.
Memory	Memory used by the job.
Status	The status of the job (active, unused, disconnected). Note: Status Disconnected indicates that a job is no longer being optimized, usually because it has completed. The job details can still be displayed until the job area is reused.

Press PF10 to display the System Job Summary screen.

Detailed Job Information

Selecting option code d for a job on the Job Summary screen displays the Job Details screen.

10:52:46	***** A D A B A S FASTPATH SERVICES 8.1.2 *****	2006-05-19
-	Job Details from Global SYSCO33 Node ID 33 -	F12300MB
Job: DAEFCODE Type: COM-LETE Number: C30694		
----- Optimization Summary -----		
Access Type	Attempts (4%) <-----	Successes (73%)
Read-ahead:	85 (1%)	45 (52%)
Direct:	173 (3%)	143 (82%)
RCs:	6 (0%)	6 (3%)
Excluded:	4,161 (96%)	
Total:	4,425 (100%)	194 (4%)

Memory(k):	RA Memory:	Over-reads: 6
Status: 00 00 00 00	System ID: DAEFCODE	Area Address: 099E28C8
Command ==>		
Enter-PF1---	PF2---PF3---	PF4---PF5---
Help	Exit Refr	Excl
	More Zero	Node Menu

Job Details

The first section of this screen (Optimization Summary) provides optimization statistics for this job. This information is provided in the same format as that provided at the buffer and database level (see section Buffer Information).

The following additional fields are displayed:

Field	Description
Memory	The total memory, in kilobytes, of all memory classes used for this job.
RA Memory	The total memory, in kilobytes, of all read-ahead areas allocated to this job.
Over-reads	The number of read-aheads performed but not needed by this job, and the percentage of non-needed over-reads to the number of successful read-aheads. Non-needed over-reads represent overhead that may reduce the effectiveness of read-ahead optimization. In general, over-reads should not exceed 25% of read-ahead successes.
Status ... Address	These fields are reserved for Software AG use.

PF9 on the Job Details screen can be used to display the second job detail screen.

```

15:51:19  ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****                2006-06-15
Job Details from Global RDUABM81 Node Id 8004                                F12300MC

Job:      UKRPE Type: TSO              Number: U43517              Started Jun 15,2006 15:00

Job Information-----
Peak Concurrency...: 0
User Areas:  In Use: 0              Peak: 0              Recovered: 0
CID Areas:  In Use: 0              Peak: 2

Read-ahead Memory Categories-----
Size(k):   4 Peak No: 0              Usage: 89              Failures: 0
           8              0              1              0
           16             0              0              0
           32             0              0              0

Client Runtime Controls-----
Job End Stats...: N              Direct Access: ON

Read-ahead Optimization Control: BAT      Read-ahead Limit(k): 0

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12
      Help      Exit  Refr      Excl  Gen              Node  Menu

```

Job Details 2

The first section of this screen (Job Information) provides the following information:

Field	Description
Peak Concurrency	The number of command work areas allocated to this job.
User Areas	In Use: the number of user areas currently in use. Peak: the highest number of user areas which have been concurrently in use. Recovered: the number of times an old user area was recovered (reused) to satisfy the requirement for a new user area.
CID Areas	In Use: the number of Command ID areas currently in use. Peak: the highest number of Command ID areas which have been concurrently in use.

The second section (Read-Ahead Memory Categories) provides the following information:

Field	Description
Size(k)	The four sizes available for read-ahead memory allocation from the Adabas Fastpath buffer.
Peak No	The highest number of read-ahead areas, by size, allocated to this job.
Usage	The number of times the size category was used.
Failures	The number of times the size category request could not be satisfied.

The third section contains the current values for the client runtime controls. See the section Adabas Fastpath Parameters for descriptions of these parameters.

Note:

The parameter values currently being used by the job are displayed. Once a job is disconnected, these values are reset automatically to the default parameter values.

PF6 can be used to display the Excluded Command Analysis screen as described in the section Buffer Information.

System Job Information

Selecting option code 4 on the Buffer Statistics and Interaction screen invokes the System Job Summary screen.

Note:

You can also access this screen by entering 2.4 on the command line.

This screen contains a list of system job areas for the active Adabas Fastpath buffer. This is normally the Asynchronous Buffer Manager task and any database components.

```

10:56:03  ***** A D A B A S    FASTPATH SERVICES  8.1.2  *****          2006-05-19
          System Job Summary for Global SYSCO33 Node ID 33                      F12400MA

Buffer Session: 111                Started: May 19, 2006 12:56      Size(k):1024

C   Job Name  Number  Job Type  SVC    DB    Nuc ID  Status
-   SYSCO33   C21567   AFPABM
-   NUC193    C21002   AFPADA   254    193    193    Active
-                                     Unused

Mark with D(etail),S(ervices)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12
      Help           Exit                               UserJ Node

Menu

```

System Job Summary

The following information is provided:

Field	Description
C	Option code. The following options are available: d: display the Asynchronous Buffer Services menu s: display the Database Component Services menu Note: These services are described in the section Special Services.
Job Name Number Type	The job name, job number and job type.
SVC	The Adabas SVC used for this job.
DB	The Adabas database used for this job. This is the "external" DBID (DBID used by the application program).
Nuc ID	This ID is used by a member of Adabas Parallel/Cluster Services. These services may have "internal" DB numbers.
Status	The status of the job (active, unused).

PF10 can be used to display the Optimized Job Summary screen.