

Current Activity Displays

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

- Current Activity Displays
- Buffer Information
- Database and File Information
- Job Information
- System Job Information

Current Activity Displays

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 Session Monitoring menu is then displayed.

```

13:34:17      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2011-03-04
Run-mode: 17004          - Current Activity Displays -          F12000M1

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

Perspective: 17004 A8P17004
Status: Active
Started Mar  4,2011 at 13:33

Command ==>

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

```

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.
Run-mode	The FASTABM/System Coordinator Node ID to which this job is connected or some text that explains why the job is not currently connected. Excluded: Job parameter is not defined. No connection: Client is unable to connect to the ABM. ENQ-J failure: An identical job is already connected. No daemon: The local daemon is not active. ENQ-B failure: Buffer is unavailable (no buffer enq). Missing: A component is missing. Invalid: A component is bad. Error: A problem with the parameters. Disconnecting: The linker has stopped.

Buffer Information

Selecting option code 1 on the Current Activity Displays screen invokes the General Information screen.

Note:

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

```

13:04:24      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          -   General Information   -                      F12100MA

Name: A8P17004                      SVC: 254 DB: 17004
Connected to:                        Buffer Status : Active
Started:  Oct 22,2010   at: 12:46     Ave Memory Val:
Address:  16BAE400 Size(k): 1023      Session Number: 113

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

Access Type          Attempts  (67%)   <-----Successes  (59%)

Read-ahead:         457  (22%)           320  (70%)
Direct:              815  (40%)           384  (47%)
RCs:                 119  (5%)            119  (14%)
Others:              623  (33%)

Total:                2,014 (100%)           823  (40%)

-----

Command ==>

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

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:

```

13:05:49      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          - Excluded Command Analysis -          F12100ME
                        Buffer: A8P17004 Node Id: 17004

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

    Unsuitable command type:                23
    Disqualified:                            258
    Optimization was disabled:              0
    Multi-fetch was already set:            0
    Command details exceed Set-id limit:    0
    Record Buffer exceeds the limit:        4

Command ==>

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

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

```

18:31:41 ***** A D A B A S   FASTPATH SERVICES 8.2.1           ***** 2008-11-21
Run-mode: 17004                - General Parameters -                F12100MF
                               Buffer: Global A8P17004 Node ID: 17004

Main Parameters                Value          Initial        Peak Usage     Commands
Size(k)..Min: 1023            1024           1023           24%            Ignored
Maximum Jobs:                  12              1              1              0
RB Length Limit:               2048            2048           2048           0
Set Length Limit:              1024            1024           1024           0
Other-----
Fast cache attempts:           32              Fast set create attempts: 25
Coherence Limit (per sec):     1               Suspension Period (mins): 10
Default pacing rate:           10              Set Concurrency:         2
Freespace Index Entries:       512             Average Item Size:       256
                               Async coherence messages: Y
Log every n minutes:           60              Keep for n days:         30
Restart every n Hrs:           0               Restart Time:            24:00
Direct Access:                 ON              Read-ahead Processing:   ON
FIND      SX/L1:               ON              READ LOGICAL  L3:        ON
READ PHYSICAL L2:              ON              HISTOGRAM    L9:        ON

Command ==> _____

```

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 Current Activity Displays 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:

```

13:10:07      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          Databases from A8P17004 : 17004          F12200MA

Buffer Session: 113          Started: Oct 22,2010 12:46   Size(k): 1023

  C   DB SVC      Attempts          Optimized          Set Usage(k) Status
_ 17003 254          1391                823                34      Optimizing
_ 17015 254
                                     DB Down

Totals:          1391 100%          823 100%          34 100%
Mark with F(ile),D(etail),I(nformation),S(ervices),Z(aps)

Command ==>

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

```

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:

```

13:11:00                2010-10-22
                        F12200MC

      Stop/Start Optimization
      for: Database 17003

      S Stop Optimization
      R Start Optimization
      . Exit

Code..:

Command ==>
      PF1 Help   PF3 Exit

```

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.

```

13:11:37      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          Database Details from A8P17004 : 17004 F12200MB

                Database: 17003 SVC: 254

----- Optimization Summary -----
Access Type          Attempts  (98%)    <-----Successes  (59%)

Read-ahead:         457  (32%)          320  (70%)
Direct:             815  (58%)          384  (47%)
RCs:                119  (8%)           119  (14%)
Others:              14  (0%)

Total:              1,405 (100%)          823  (58%)
-----
Updates:                                Over-reads:          52  (16%)

Status 1: 40 90 00 A0 Bad Response:      Lock: 00000000 DBE Addr: 16BC5638
ADABAS Vers: 813      Hex: 08010300  Location: 00000000
DBID from GCB:      Nuc ID:

Command ==>

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

```

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:

```

13:12:22      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          Database Details from A8P17004 : 17004 F12200MG

                Database: 17003 SVC: 254

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

    Unsuitable command type:                2
    Disqualified:                           4
    Optimization was disabled:              0
    Multi-fetch was already set:            0
    Command details exceed Set-id limit:    0
    Record Buffer exceeds the limit:        4

Command ==>

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

```

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.

```

13:13:00      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004      Files from A8P17004 : 17004      F12210MA

                Database: 17003 SVC 254

C   File           Attempts           Optimized           Set Usage(k)   Status
-
-   9               1391                823                 34             Optimizing
-   10              1391                823                 34             Optimizing

Totals:           1391 100%           823 100%           34 100%
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

```

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.

```

13:13:39      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004                      File Details from A8P17004 : 17004      F12210MB

                Database: 17003 SVC 254 File: 9
----- Optimization Summary -----
Access Type           Attempts (98%)    <-----Successes (59%)

Read-ahead:           457 (32%)              320 (70%)
Direct:               815 (58%)              384 (47%)
RCs:                  119 (8%)               119 (14%)
Others:                10 (0%)

Total:                1,401 (100%)          823 (58%)
-----
Updates:              Over-reads:          52 (16%)

Set Limit(k): 1023           Update Sensitivity: R
Set Id Length Limit: 1024   RB Length Limit: 1024   Set Concurrency: 2
Status: 00 D0   Last RC:           Next Event: 0:00   Addr: 16BCC5A0

Command ==>

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Refr      Excl      More Zero Node Menu

```

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 8.2.1 *****                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.

```

13:14:49      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          Set Summary from A8P17004 : 17004          F12220MA

                Database: 17003 SVC 254 File: 9

                Number of Items....          Memory (k)....          Growth
C CC De Sets   In Use   Peak   Optimized In Use   Peak   Mode
_ L1           1      20     25      60      2      3
_ L1 I         1      20     25     136      2      3
_ L3 AA        1      20     25      64      3      4
_ L9 AE        1      20     25      64      4      5
_ S1 AE        3      20     59      60      3     10
_ S2 AE        2                34                6

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  Parms Look                Cntl Node Menu

```

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.
Growth Mode	Fastpath regularly assesses the worthiness of all direct-access sets as being high, medium or low. Based upon this assessment Fastpath is likely to award more memory to sets assessed highly, when there is memory available, and to remove memory from the less worthy sets. The regular reassessment means the assessment of a set will quickly change according to current system activity thereby making sure the most appropriate optimization levels are maintained at all times.

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.

```

13:15:28      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          Set Summary from A8P17004 : 17004          F12230MA

          Database: 17003 SVC 254 File: 9          CC: S1 De: AE

          Number of Items.....          Memory (k).....          Growth
C  SSID          In Use          Peak          Optimized  In Use          Peak          Mode
-   3             20             25             60           3             4
-   1             17             17
-   9             17             17

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

```

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:


```

13:15:57      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004                Set Detail from A8P17004 : 17004                F12230MB

                        Database: 17003 SVC 254 File: 9
Command: S1      Primary Descriptor: AE                SSID: 3

  Items   - Optimized:           60                Growth Mode:
            Current:            20 Added:           20      Removed:
            Peak:               25 RLU:             5        Overwrites:
            Free:               5 Resets:           5        Collisions:
Memory  - Used(k):              3 Peak(k):      4      Free(k):
Status:  00 04 0E 08           Expansion:      1      Acc.Mask Entries    2
Used    FB:    1 RB:           Indexes:          3      Address:           16BDCF28
Lengths: SB:    8 VB:    20 Code:                Lock:              00000000
SetID Length:    21

Reject:
SB AE,20,A.
FB .

Command ==>

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

```

The following information is provided:

Field	Description
Growth Mode	Fastpath regularly assesses the worthiness of all direct-access sets as being high, medium or low. Based upon this assessment Fastpath is likely to award more memory to sets assessed highly, when there is memory available, and to remove memory from the less worthy sets. The regular reassessment means the assessment of a set will quickly change according to current system activity thereby making sure the most appropriate optimization levels are maintained at all times.
Items ...	Optimized: the number of successful optimizations from data records in the set. Added: the number of times a data record was inserted into the set. Collisions: the number of times a set was inaccessible because concurrency for the set was exhausted. Current: the number of data records currently in the set. Peak: the highest number of data records which have been in the set. Free: the number of free data item areas currently available. Removed: the number of data records which have been removed from the set. 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). Overwrites: the number of times a new data record was inserted by overwriting an existing record because no free area was available. Set Resets: the number of times a complete set was emptied.
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 Current Activity Display screen, 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.

```

13:17:32      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004                      Job Summary for A8P17004 : 17004      F12300MA

Buffer Session: 113                Started: Oct 22,2010  12:46      Size(k): 1023

C Job Name Number Job Type      Attempts      Optimized Mem(k) Status
_ UKRPE      U54670 TSO              1391          823          Active
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused
-                                     Unused

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

```

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.

```

13:19:03      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004          Job Details from A8P17004 : 17004          F12300MB

Job:      UKRPE Type: TSO          Number: U54670          Started: Oct 22,2010 12:29

----- Optimization Summary -----
  Access Type          Attempts (64%)      <-----Successes (59%)

  Read-ahead:          457 (21%)          320 (70%)
  Direct:              815 (38%)          384 (47%)
  RCs:                 119 (5%)           119 (14%)
  Others:              709 (36%)

  Total:                2,100 (100%)      823 (39%)
-----

Memory(k):          RA Memory:          Over-reads:          52

  Status: 00 00 00 00   System ID:      TSO   Area Address: 16BBAB88

Command ==>

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit Refr      Excl      More Zero Node Menu

```

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.

```

13:19:29      ***** A D A B A S   FASTPATH SERVICES 8.2.1 *****      2010-10-22
Run-mode: 17004                      Job Details from A8P17004 : 17004      F12300MC

Job:      UKRPE Type: TSO           Number: U54670           Started Oct 22,2010 12:29

Job Information-----
  CID Areas:  In Use: 3           Peak: 4

Client Runtime Controls-----
  System Coordinator (Buffer) Group Name: RPEGRP1

Fastpath ON/OFF.....: ON           Read-ahead Optimization Control: BAT
Direct Access.....: ON           Read-ahead Memory Limit(k).....: 0
Tracing.....: N           Command time (Hex).....: 00000000

End-of-job-statistics:  None
                        Daemon messages
                        X File history with maximum records.....: 5

Command ==>

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

```

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 Current Activity Display 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.

```

15:53:10 ***** A D A B A S   FASTPATH SERVICES 8.2.1           ***** 2008-11-26
Run-mode: 17004                Jobs for A8P17004 : 17004                F12400MA

Buffer Session: 567           Started: Nov 26,2008  10:25   Size(k): 1023

C   Job Name Number Job Type      SVC  DB   Nuc ID           Status
-
-   N8C81003 C34417 AFPADA      254 17015         DB down
-   A8P17004 C32991 AFPABM      254 17003         Active

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

```

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.