

# Buffer History

This function can be used to display the Adabas Fastpath buffer history information that has been recorded in the Adabas Fastpath configuration file either

- automatically (see the Adabas Fastpath Log Parameter) or
- by using the log function of Adabas Fastpath Special Services.

If history logs are present for more than one buffer, selecting option code 3 from the main menu or entering the direct command 3 from the command line displays the following screen:

```

10:59:34      ***** A D A B A S  FASTPATH SERVICES 7.4.1 *****      2002-09-05
                - Buffer History -                                     F13000MA

                Please mark to select Buffer for History Display

                - AFP721A      Global
                - SYSCO33      Global

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

```

## Buffer History Selection

Mark the buffer for which history information is to be provided. The following Buffer History Available screen appears:

### Note:

This is the first screen displayed if history logs exist for only one buffer.

```

11:06:19      ***** A D A B A S  FASTPATH SERVICES 7.4.1 *****                2002-09-05
              - Buffer History Available for Global SYSCO33 -                    F13100MA

      Buffer  <---Logged at--->  <---Direct Access--->  <----Read-ahead----->
Sel Session  Date           Time           Attempts  Optimized  Attempts  Optimized

___  42      Jul 19,2002 12:38 E
___  43      Jul 19,2002 12:55 E
___  44      Jul 19,2002 15:27 E
___  45      Jul 19,2002 16:09 E
___  46      Jul 19,2002 17:08 E
___  47      Jul 19,2002 17:45 E
___  48      Jul 19,2002 17:48 E
___  49      Jul 23,2002 11:07 E           144           97           140           80
SS  50      Jul 23,2002 12:14           147           51           168           96
___  50      Jul 23,2002 13:14           193          129           182          104
SS  50      Jul 24,2002 14:14 E           364          256           360          234
___  51      Jul 25,2002 14:27 E

Select using S or an SS pair, Purge using P or a PP pair.
Position to: Jul 25,2002

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

```

## Buffer History

This screen displays a line for each log record of the selected (or default) buffer. Each line includes the following information:

Column	Description
Sel	<p>The following option codes can be used to process one or more lines (records) of the log:</p> <p>s: display details for one log record  ss: display the difference in statistics between a pair of log records  p: purge a single log record  pp: purge from the first to the last marked log records  t: display trace counts for one record  tt: display the difference in trace counts between a pair of logs</p> <p>You must enter the options ss pp tt in pairs. The second element of the pair need not be on the same screen but must be within the same buffer session.</p> <p>Use PF6 to clear all entries in the Select column.</p>
Buffer Session	The buffer session number. Certain operations cannot be performed across sessions.
Logged at Date/Time	The date and time the log was recorded.
E M	E indicates end-of-job. M indicates a special log request using the function Special Services.
Direct Access Read-Ahead	The number of attempted and successful direct access and read-ahead optimizations for each logging period.

Use PF8 to display the next page of log records.

If option code ss is marked for a pair of records, the following History Interval screen appears. This screen displays the statistics for the time interval specified in the screen heading.

```

11:07:11 ***** A D A B A S FASTPATH SERVICES 7.4.1 *****                2002-09-05
          History Interval - Jul 23,2002 12:14 to 14:14                        F13110MA

Buffer Type: Global      Name: SYSCO33          SVC: 240 DB: 33
Connected to:
Started:   Jul 23,2002   at: 11:14             Ave Memory Val: 51
Address:   099CB000 Size(k): 1024             Session Number: 50

----- Buffer Statistics -----
Access Type           Attempts (46%) <-----Successes (68%)
Read-ahead:           360 (23%)                234 (65%)
Direct:               364 (23%)                256 (70%)
RCs:                  (0%)                    (0%)
Excluded:             865 (54%)
Total:                1,589 (100%)            490 (31%)

-----

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

```

## History Interval Logs

The information contained on this screen is exactly like the General Information screen available directly from this screen by pressing PF7. The excluded command analysis, buffer memory and parameter screens can also be invoked by pressing PF6, PF8, and PF9, respectively. All of these screens are described in the section Buffer Information.

If, on the Buffer History screen, you marked a record with an `s` instead of marking a pair, the following screen will appear displaying the statistics at the time the history log was recorded:

```

11:07:11 ***** A D A B A S FASTPATH SERVICES 7.4.1 *****                2002-09-05
          - Buffer History - Logged Jul 23,2002 12:14 -                          F13110MA

Buffer Type: Global      Name: SYSCO33          SVC: 240 DB: 33
Connected to:
Started:   Jul 23,2002   at: 11:14             Ave Memory Val: 51
Address:   099CB000 Size(k): 1024             Session Number: 50

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

Access Type          Attempts (13%) <-----Successes (46%)

Read-ahead:          168 (7%)                96 (57%)
Direct:              147 (6%)                51 (34%)
RCs:                 (0%)                    (0%)
Excluded:            865 (87%)

Total:                1,865 (100%)            147 (6%)

-----

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

**Buffer History**

This screen displays the details for a single log record. PF keys can be used to display the next sequential log record until the end of session is found:

PF Key	Displays...
PF5 Next	The statistics from the current log record.
PF10 Next	The difference between the current and previous log records. The effect of this function varies depending on the type of information being displayed. This key can be used to skip from one statistics time slice to the next showing the statistics achieved in that time slice (taking the difference between one time slice and the next rather than simply displaying the details of each time slice).

Other PF keys provide direct access to the Excluded Command Analysis, General Information, Buffer Memory, and Parameter screens, which are described in the *Buffer Information* section.