

# Maintenance and Job History

This service is used to define the Adabas Fastpath optimization parameters.

- Maintenance Menu
- Buffer Parameters
- File Parameters
- Client Runtime Controls
- Job History

---

## Maintenance Menu

Selecting option code 1 from the main menu or entering the command 1 on the command line displays the Maintenance menu.

```

18:21:37 ***** A D A B A S FASTPATH SERVICES 8.2.2 *****                2006-05-19
          - Parameter Maintenance -                                         F11000M1

          Code   Service
          ----   -
          1      Buffer Parameters
          2      File Parameters
          3      Client Runtime Controls
          .      Exit
          ----   -

Code ..: _

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

```

### Parameter Maintenance

Select an option code to invoke the corresponding menu for the type of parameters to be defined/modified:

- Buffer Parameters
- File Parameters
- Client Runtime Controls

#### Note:

Before proceeding, you may wish to review the section Adabas Fastpath Parameters which provides a complete list and description of each parameter type.

# Buffer Parameters

Selecting option code 1 from the Parameter Maintenance menu or entering 1.1 on a command line displays the Maintain Buffer Parameters screen.

The currently defined Adabas Fastpath buffers are listed.

For an existing buffer, you can enter any of the option codes described below.

You can use PF10 to add a new buffer definition as described in section Adding a New Buffer.

```

12:36:27 ***** A D A B A S FASTPATH SERVICES 8.2.2 *****                2006-05-19
                - Maintain Buffer Parameters -                                F11100M1

      <----- Buffer ----->  Coordinator   Size   Direct   Read-
C   Name      SVC   DBID      Group      (k)     Access  ahead   Comments

_   AFPDAEF   255   11001   AFPGROUP   4096     ON      ON
_   AFPDA2F   255   11002   AFPGROUP   4096     ON      ON
_   AFPDA3F   255   11003   AFPGROUP   4096     ON      ON
_   V811ME01  244   8111   V811GR01   8192     ON      ON
_   V811ME02  244   8112   V811GR01   4096     ON      ON

Mark with M(odify),P(urge),R(ename),C(opy),F(iles)

End of List
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help           Exit Refr                               Add           Menu
    
```

## Maintain Buffer Parameters

The following information is provided:

C	Option code (M: modify buffer parameters, P: purge buffer, R: rename buffer, C: copy buffer, F: file parameters). For more information on the Modify function, see Modifying Buffer Parameters.
Name SVC DBID	The buffer name, the Adabas SVC used by this buffer, and the database used by this buffer.
Coordinator Group	The name of the Adabas System Coordinator group to which this buffer belongs.
Size	The memory size for this buffer.
Direct Access	Indicates whether or not direct access optimization is to be used for this buffer.
Read Ahead	Indicates whether or not read-ahead optimization is to be used for this buffer.

## Adding a New Buffer

To add a new buffer, press PF10 on the Buffer Parameter Maintenance screen. The following screen appears:

```

14:36:37                2011-07-11
      Add Buffer      F11110MB

      Size(k)       : 4096__

System Coordinator
  Group Name : RPEGRP1_
  Daemon Name: A8P17004

(Leave empty to select)
Dataspace Name: _____
Memory Pool Name: _____
Fixed Memory Addr: 00000000
(Where appropriate, e.g. VM's
DCSS name,BS2000's Memory Pool)

Command ==>
  PF1 Help   PF3 Exit   PF5 Add
    
```

### Add Buffer

You must provide values for the following fields:

Size	The size of the buffer to be added.
Group Name	The name of the Adabas System Coordinator group in which this buffer is to be a member. Adabas Fastpath buffers operate as members of an Adabas System Coordinator group. The group must have already been defined using Adabas System Coordinator Online Services.
Daemon Name	The daemon name is the job name of the Adabas System Coordinator daemon under which this buffer is to operate. The daemon name may have already been defined. If not you will be prompted to define it by entering the unique Node ID by which this daemon is to be identified.

### Modifying Buffer Parameters

Buffers are added with default parameters. After a buffer has been added, you can view/modify all the default settings by using the d or m option code on the Maintain Buffer Parameters screen. The following sample screen lists the general parameters for buffer A8P17004.

```

13:26:09      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-03-04
                - Buffer A8P17004 -                                     F11120MA

System Coordinator Group Name: RPEGRP1_   Daemon Name: A8P17004

Adabas SVC Number:   254           Designated DBID:           17004

Last Modified:       2011-03-04 By User ID:           UKRPE
Last Buffer Address: 1587F400   Length: 001FFC00   Session: 821

----- General Parameters -----

Size(k):             2048           Minimum Buffer Size(k):   0
Maximum Jobs:        12             Set ID Length Limit:     1024
RB Length Limit:     1024           Message Level(Hex):      00
Dataspace Name:     _____
Additional encodings: All                _ (mark to alter)

Command ==>

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

```

You can use this screen to review and, if necessary, modify any of these buffer parameters.

Refer to section Adabas Fastpath Parameters for a description of each of these parameters.

By pressing PF9 (above), you can display the detail parameters for this buffer:

```

16:00:13 ***** A D A B A S FASTPATH SERVICES 8.2.2 ***** 2008-09-11
                Buffer V811ME01                                F11120MB

Adabas SVC Number: 244          Designated DBID:          8111

Last Modified:      2006-05-19 By User ID:                UKSJU
Last Buffer Address: 00000000   Length: 00000000   Session: 0
-----
----- Detailed Parameters -----
Fast cache attempts: 32          Fast set create attempts: 25
Coherence Limit (per sec): 32   Suspension Period (mins): 3
Default pacing rate: 10         Set Concurrency:          2
Freespace Index:      512       Average Item Size:        256
                               Async coherence messages: Y
-----
----- Operational Control -----
Log every n Minutes: 60         Keep for n Days:          30
Restart every n Hrs: 0          Restart Time:              17:30
Direct Access:                 ON                          Read-ahead:               ON
Find Sx/L1:                     ON                          READ LOGICAL L3:          ON
READ PHYSICAL L2:                ON                          HISTOGRAM L9:             ON

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

You can use this screen to review and, if necessary, modify any of these buffer parameters.

Refer to section Adabas Fastpath Parameters for a description of each of these parameters.

By pressing PF9 (above), you can display the debug settings for this buffer:

```

14:58:02      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-08-30
                                   Buffer A8P17004                               F11120MD

      Adabas SVC Number:   254           Designated DBID:           17004

      Last Modified:       2011-08-30   By User ID:                 UKRPE
      Last Buffer Address:  00001000     Length: 000FFC00           Session: 2586

-----Debug Event Control (use when recommended by Software AG)-----

      Event List
      -----
      Database terminates abnormally      N      N      N      N
      Set error code: 2A                   Y      N      N      N

Command ==>

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

```

You can use this screen to set buffer debug event controls. These can be set when recommended by Software AG to produce diagnostic information. For more information, please refer to Buffer Debug Event Controls.

By pressing PF9 (above), you can return to the general buffer parameter display.

## File Parameters

For each Adabas Fastpath buffer, file parameters can be defined which indicate for exactly which databases/files optimization is to be performed. You can access the File Parameters maintenance function:

- from the Parameter Maintenance screen after specifying a previously defined buffer; or
- from any Buffer Maintenance screen.

By pressing PF10 on either of these buffer modify screens, you can access the File Optimization Parameters screen.

```

8:21:37 ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****                2006-05-19
- File Optimization Parameters for: Global AFP311A -                            F11200MA

                                                                                      Reposition
                                                                                      DBID: _____
                                                                                      File: _____

      C   DBID   File   SVC   Start   End       Update
      _   _    _    _    Time   Time     Sensitivity
      _   11    7    254
      _   12    7    254
      _   13    7    254
      _   14    7    254
      _   71    7    254
      _   111   66   254   12:00  16:00    Record
      _   193   1
      _   193   2
      _   193   3
      _   193   4
      _   193   5
      _   193   7    254
      _

Mark with M(odify),P(urge),C(opy)

Top of List
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help           Exit Refr                               Fwd  Bot  Add      Menu

```

## File Parameter Selection

This screen lists, for the specified Adabas Fastpath buffer, all databases and files currently defined for Adabas Fastpath optimization.

### Note:

You can use the Reposition function to position to a specific database/file in the list.

Field	Description
C	Option code (M: modify file parameters, P: purge file parameters, C: copy file parameters).
DBID	Adabas Database ID.
File	Adabas File Number.
SVC	Adabas SVC.
Time	The specific time period during which Adabas Fastpath optimization is to be in effect. See parameter <code>Start Time</code> .
Update Sensitivity	Controls how Adabas update commands are to be processed. See parameter <code>Update Sensitivity</code> .

- Adding File Parameters
- Maintaining File Parameters

## Adding File Parameters

In the File Optimization Parameters screen, use PF10 to add a new file parameter. The following screen will appear:

```

12:30:07                                2006-05-19
                                           F11210M1

Add File Optimization Parameter

Buffer Name:   V811ME01
File:         0
              (0 = DB default)
in DBID:      _____
using SVC:    _____ (Optional)

Optional Time Window
Start(HH:MM): _____ End: _____
(Leave empty for 24 hours)

Command ==>
PF1 Help   PF3 Exit   PF5 Add

```

### Add File Parameter

File	The Adabas file number for which Adabas Fastpath optimization is to be defined.  <b>Note:</b> By not specifying a file number, you can define a default parameter set for all files in a database (in this case only read-ahead optimization but not direct access optimization can be applied). Individual file parameters override a database default parameter.
in DBID	The Adabas database in which the file to be optimized is located.
using SVC	The Adabas SVC number.  <b>Note:</b> Normally, the SVC parameter is only used at z/OS, MSP, and VSE/ESA sites where multiple Adabas SVCs are required; otherwise, it need not be used. If multiple SVCs are in use, all databases defined for optimization in the same buffer must use the same SVC as the buffer (and the Adabas System Coordinator hosting the buffer).
Time Window	Optimization is only to be in effect within the specified time window. See parameter Start Time.

After a file parameter is added, the File Parameters Maintenance screen can be used to define further optimization parameters which are to be in effect for the file. This is described in the following section.

### Maintaining File Parameters

The File Parameters Maintenance function can be invoked by/from:



- automatically from the Add File Parameters function
- by using option code m on the File Parameter Selection screen
- from an AFPLOOK File Display screen or from the File Set Summary List screen by pressing PF5 . Similarly, hot keys on this screen can be used to access AFPLOOK and File Set Summary.
- by entering 1.2 on a command line anywhere in the system, provided that a database and file number have previously been established using this screen or one of the other functions in the hot key chain.

The following screen appears:

```

15:30:34 ***** A D A B A S FASTPATH SERVICES 8.2.2 *****                2006-03-14
- File Optimization Parameters for: A8P17004 -                                F11220MA

File: 9      DBID: 17003   SVC:                Last Modified: 2006-03-13 by: UKRPE
Start Time (HH:MM): _____ End Time: _____ Update Sensitivity: D Distributed
Initial Status:      ON          Set Limit (k): 0
Set Id Length Limit: 0          RB Length Limit: 0          Set Concurrency: 0
Expanded File:       N          Cache secure file: N          Pacing: 0
Password for secure file DA-caching (not recommended):
Additional encodings: Default          _ (mark to alter)
---- Direct Access ----- Optimization Summary ----- Read-ahead -----
L1 Get/Read by ISN  ON          | L1 Read by ISN      ON
L3 Read Logical    ON          | L2 Read Physical   ON
L9 Histogram       ON          | L3 Read Logical    ON
S1 Find Records   ON          | L9 Histogram       ON
S2 Find Sorted     ON          | S1 Find Records   ON
                   | S2 Find Sorted     ON
                   | S8 Process ISN List ON
                   | S9 Sort ISN List   ON
PF10 to Modify Direct Access      + PF11 to Modify Read-ahead

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit      Upd  Look      File Dir  R-a  Menu
    
```

### File Optimization Parameters

The following parameters can be maintained using this screen:

Parameter	Description
Start Time, End Time	Optimization is only to be in effect within the specified time window. See parameter Start Time.  <b>Note:</b> You can enable optimization for a different time window by creating a different parameter set for this file.

Parameter	Description
Update Sensitivity	Indicates how Adabas Fastpath is to process commands which result in database updating. The following values are permitted:  N (none). Ignore all update commands. R (record level). Remove data by identifying single records. F (file). Remove all data for the file held in the Adabas Fastpath buffer. D (distributed record level). Use only on advice from Software AG support.
Initial Status	By setting this field to OFF, you can indicate that the file parameters being defined are not to be activated until this field is changed to ON.
Set Limit	Adabas Fastpath creates sets of direct access command models. This parameter limits the size (in k) of data items within a set.
Set ID Length Limit RB Length Limit Set Concurrency	These parameters can be used to decrease (but not increase) the values of the equivalent buffer parameters. These parameters are described in section Adabas Fastpath Parameters.
Expanded File	This field must be set to Y if the file is defined to Adabas as an expanded file. If so, direct access optimization cannot be defined for L3/L9 commands.
Cache secure file	If the file is password protected, but direct access caching is still required, then set this parameter as 'Y'. Use of secure file caching is not recommended.
Password for secure file D-A caching	If the file is password protected and direct access caching is still required, and the cache secure file parameter is set to 'Y', then the password needs to be given here. Use of this parameter is not recommended.
Additional Encodings	The setting for direct-access optimization for data of a different character encoding from that used by Adabas to store the data internally. Settings: <ul style="list-style-type: none"> <li>● Default: Inherit the buffer-level setting.</li> <li>● None: Only data for Adabas internal encodings.</li> <li>● All: All the possible encodings allowed by Fastpath.</li> <li>● Single byte ascii: This additional character encoding.</li> <li>● Single byte ebcdic: This additional character encoding.</li> <li>● Double byte ascii: This additional character encoding.</li> <li>● Double byte ebcdic: This additional character encoding.</li> </ul>
Pacing:	Controls the rate at which housekeeping is performed for this file.

Parameter	Description
Optimization Summary	<p>The current direct access and read-ahead optimization settings for each Adabas command used for this file.</p> <p>Optimization can be defined for the following commands:</p> <ul style="list-style-type: none"> <li>● direct access: L1 , L3 , L9 , S1 , S2</li> <li>● read-ahead: L1 , L2 , L3 , L9 , S1 , S2 , S8 , S9</li> </ul> <p><b>Note:</b> Sx commands are generally followed by L1 commands in order to retrieve subsequent records. Although it is the subsequent L1 commands that benefit from read-ahead optimization, control is through the initiating Sx command.</p>

Use PF5 to commit all changes. Use PF3 to exit without applying any changes.

Use PF10 and PF11 to modify the direct access and read-ahead optimization parameters as described in the following sections:

- Direct Access Optimization Parameters
- Read-Ahead Optimization Parameters

### Direct Access Optimization Parameters

The following screen is displayed when you press PF10 from the File Optimization Parameters screen:

```

15:42:29      ***** A D A B A S  FASTPATH SERVICES 8.2.2 *****      2006-03-14
              - File Optimization Parameters for: A8P17004 -              F11220MB

File: 9      DBID: 17003  SVC:                Last Modified: 2006-03-13 By: UKRPE

Start Time (HH:MM):  _____ End Time: _____ Update Sensitivity: R Record
Initial Status:      ON      Set Limit (k): 0
Set Id Length Limit: 0      RB Length Limit: 0      Set Concurrency: 0
Expanded File:       N      Cache secure file: N      Pacing: 0
Password for secure file DA-caching (not recommended):
----- Direct Access Optimization -----
              On/Off      Except for:      Field level overrides
L1 Get/Read by ISN  ON
L3 Read Logical     OFF      Now Optimizes  AA  AB  ___  ___  ___  ___
L9 Histogram        OFF
S1 Find Records     ON      Now Excludes   BB  ___  ___  ___  ___
S2 Find Sorted      OFF      ___  ___  ___  ___  ___  ___

PF11 to Modify Read-ahead

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit      Upd  Look      File  Back  R-a  Menu
    
```

Field	Description
Command	Adabas read or query command (L1/L3/L9/S1/S2).
On/Off	Indicates whether or not optimization is to be in effect for the command. In the screen example, L1 commands (all fields), L3 commands (for fields AA nd AB only) and S1 commands (excluding S1 commands in which field BB is used as the primary descriptor) are to be optimized. The default is OFF.
Except for	The comments Now Optimizes and Now Excludes are displayed when the Enter key is pressed to illustrate the effect of field level overrides.
Field level overrides	Used to include/exclude certain fields from optimization. In the screen example, L1 commands (all fields), L3 commands (fields AA nd AB only) and S1 commands (excluding field BB) are to be optimized.

Use PF5 to commit all changes. Use PF3 to exit without applying any changes.

### Read-Ahead Optimization Parameters

The following screen is displayed when you press PF11 from the File Optimization Parameters screen:

```

15:45:35      ***** A D A B A S  FASTPATH SERVICES 8.2.2 *****                2006-03-14
              - File Optimization Parameters for: A8P17004 -                          F11220MC

File: 9      DBID: 17003      SVC:                Last Modified: 2006-03-14 by: UKRPE

Start Time (HH:MM):  _____ End Time: _____
Initial Status:      ON
Expanded File:       N

----- Read-ahead Optimization -----
On/Off  Except for:  Field level overrides
L1 Read by ISN      ON
L2 Read Physical    ON
L3 Read Logical     OFF      Now Optimizes  AA  _ _ _ _ _
L9 Histogram        OFF
S1 Find Records     ON      Now Excludes  CC  _ _ _ _ _
S2 Find Sorted      OFF
S8 Process ISN List OFF
S9 Sort ISN List    OFF

PF10 to Modify Direct Access

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help      Exit      Upd  Look      File Dir  Back Menu
    
```

### Read-Ahead Optimization Parameters

Field	Description
Command	Adabas read or query command (L1/L2/L3/L9/S1/S2/S8/S9).
On/Off	Indicates whether or not Adabas Fastpath optimization is to be in effect for the command. In the screen example, L1 commands, L2 commands, L3 commands (only when field AA is used as the primary descriptor) and S1 commands (excluding S1 commands in which field CC is used as the primary descriptor) are to be optimized. The default is OFF.
Except for	The comments Now Optimizes and Now Excludes are displayed when the Enter key is pressed to illustrate the effect of field level overrides.
Field level overrides	Used to include/exclude certain fields from optimization. Field overrides are not applicable for L1/L2 commands. In the screen example, L1 commands, L2 commands, L3 commands (only when field AA is used as the primary descriptor) and S1 commands (excluding S1 commands in which field CC is used as the primary descriptor) are to be optimized.

Use PF5 to commit all changes. Use PF3 to exit without applying any changes.

## Client Runtime Controls

Selecting option 3 from the Parameter Maintenance screen or entering 1.3 on a command line displays the Client Runtime controls screen:

```

13:12:32      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-03-17
                - Client Runtime Controls (AFP) -                          U11300M1
                                                    Reposition to Type: _____
                                                    Name: _____

                                Client Controls
C Type      Name      AFP      AVI      ATM      COR      Comments
_ CICS (DTR) CICSPROD          Y              Y
_          CICTDTR    Y              Y
_          CICTDT1    Y              Y
_ Misc.DTR  UKRPE      Y      Y      Y      Y      Overrides
_ Batch    RPE*****  Y              Y      Y      Overrides
_          NATPBAT          Y
_          RPEAWG    Y              Y
_          UKRPECMD  Y              Y
_ COM-LETE DAEFCODE  Y              Y
_ CICS     CICSRPE    Y              Y
_          CICSTST1  Y              Y      Overrides
_          CICST1    Y              Y      Overrides

Mark with Jobs,Modify,Purge,Rename,Copy,Overrides,Information,History

Command ==>

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Refr              Fwd  Bot  Add  Prods Menu

```

## Maintain Client Runtime Controls

The following information is provided:

Field	Description
C	Option code (modify, purge, rename, copy, overrides, information, history, jobs). For more information on the Modify function, see Maintaining Client Runtime Controls.
Type	The job type.
Name	The control name. For non-DTR or API type, this will be the same as the job name.
AFP AVI ATM COR	Shows which products have Client Runtime controls defined.
Comments	Highlights existence of Session Overrides or Site Information (Info).

Press PF10 to add a new job.

Press PF11 to switch between products for maintenance of client runtime controls.

## Adding Client Runtime Controls

When you press PF10 on the Maintain Job Parameters screen, the following window is displayed for adding a new job definition:

```

11:45:54      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2006-06-09
                - Add Client Runtime Control -                          U11310M1

Select (mark one) :
                _ Batch
                _ COM-LETE
                _ CICS (DTR - Dynamic transaction routing)
                _ CICS (Standard)
                _ IMS (DTR)
                _ UTM (DTR)
                _ TSO
                _ CMS
                _ TIAM
                _ more choices for type or
                _ API controlled

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

```

## Select Job Type

Name	<p>The control name.</p> <p><b>Note:</b> For non-DTR and API types, the control name will be the same as the job name.</p> <p><b>Note:</b> A control name can include one or more asterisks (*) to indicate a wild card. For example, the client runtime control for a type of BATCH with the name UK**E is found by any job with the name UK in positions 1-2 and E in position 5, no matter what the characters are in positions 3-4. If an asterisk (*) is the last character in a control name, the remainder of positions in the name through the eighth are padded with asterisks. Wilcards are not permitted for DTR or API types.</p>
Type	<p>The job type. Each different job type has a different characteristic so it is important to select the correct type.</p> <p><b>Note:</b> If you are using CICS/MRO with dynamic transaction routing, or CICSplex, you must select the job type (DTR - Dynamic transaction routing). The standard CICS job type is used for CICS/MRO without dynamic transaction routing or for other CICS environments.</p> <p><b>Note:</b> If you mark the selection <i>None of the above</i>, another selection window appears with additional job types. If you need to use a job type from the second selection window, contact Software AG for advice.</p>

Once you select a job type, a screen will ask for the job name. In this example, controls for a TSO type job are being defined.

```

10:44:09      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2010-12-16
                - Add Client Runtime Control -                          U11310M3

Type: TSO
Name: _____ (* for default controls for this type)

This is a standard type of runtime.

Command ==>

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

```

Adabas System Coordinator runtime controls will then be required (see the Adabas System Coordinator documentation for further details).

```

10:45:32      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2010-12-16
                - System Coordinator Runtime Controls -                  U11310M5
                                Operation mode (mark one):
Type: TSO                                           Use normal autodetect approach: X
Name: UKRRRR__                                     Enable COR even if no products: _
                                                Disable all products including COR: _

General Settings
  Statistics externally viewed using group: _____
  Refresh statistics every: _____ commands or _____ seconds
  API runtime overrides.....: N (Y/N)
  Use additional exits.....: N (Y/N)
  Maximum idle time (sec)..: _____

Runtime messages      : Y Console message job log (default)
                     _ Local (DDMSG) file
                     _ Forward to the Daemon (DDMSG) file

Command ==>

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

```



Refer to the Adabas System Coordinator documentation for more information.

The group name will then be required.

```

11:42:09      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-12-07
                - System Coordinator Runtime Controls -                    U11310M5

Type: TSO          Name: UKRRRR__
Operation: Normal autodetect: X Enable without products: _ Disable all: _
API runtime overrides....: N (Y/N)
Use additional exits.....: N (Y/N)
Maximum idle time (sec)..: _____

Runtime messages.....: Y Default _ Local (DDMSG) file _ Daemon (DDMSG)
Activity pulse every....: _____ commands or _____ seconds
  Display (mark one)....: _ Daemon shared memory
                        _ Daemon memory
  Latency (mark one)....: X Local
                        _ Group latency disk file
                        _ Daemon shared memory
                        _ Daemon memory
  Group name.....: _____ (required if group/daemon services used)

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

Normally, the absence of client runtime controls for a job implies that optimization is not applied. Thus, you can implement optimization gradually by defining only specific jobs to receive optimization.

Alternatively, this can be reversed. Client runtime controls can be defined for default jobs so that optimization is applied to all jobs of a specific category. Then, you can specify only the jobs that are not to be optimized and those that differ from the default.

**Note:**

A specific job definition overrides any wild card job definitions or any default definition.

**Maintaining Client Runtime Controls**

To maintain client runtime controls, on the client runtime controls screen, enter the option code m next to the job for which parameters are to be maintained. In the sample screen shown below, the job parameters for batch job KM27WD are displayed.

The following screen will be displayed:

```
11:36:32      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2012-03-01
                - Adabas Fastpath Runtime Controls -                      U1132FM1

      Name: KM27WD                                          Last Modified: 2012-03-01
      Type: Batch                                          by Userid: UKRPE

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                       Maximum read-ahead unit size(k): 32
Command Time (Hex).....: 00000000      Maximum read-ahead rate.....: 4096
End-of-job statistics..: X None
                        _ Daemon messages
                        _ File history with maximum records.....: 0

Command ==>

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

### Detailed Client Runtime Controls

Parameter	Description
FASTPATH ON/OFF	If OFF is specified, Adabas Fastpath optimization will be not be performed for this job.
Job End Statistics	If Y is specified, Adabas Fastpath performance information will be sent to the operator console when a job ends.
Direct Access	If OFF is specified, no direct access optimization will be performed for the job, without regard to other parameters.
Read-Ahead Optimization Control	If OFF is specified, no read-ahead optimization will be performed. In addition, you can choose between the read-ahead factor algorithms for TP monitors (TP) or for batch (BAT). While both algorithms accelerate the factor as the sequence length increases, the batch algorithm accelerator is faster than the one for TP monitors. Normally, the default setting is the most efficient.
Read-Ahead Memory Limit	Used to restrict the memory allocated to the job for read-ahead optimization.
Maximum read-ahead unit size (k)	Used to restrict the memory allocated for a single read-ahead operation.
Maximum read-ahead rate	Used to restrict the number of records processed in a single read-ahead operation.
End-of-job Statistics	One of the following options may be selected: <ul style="list-style-type: none"> <li>● None: No information will be displayed or saved.</li> <li>● Daemon messages: Fastpath performance information will be sent to the operator console.</li> <li>● File history: Statistics will be saved in the configuration file.</li> </ul> <p><b>Note:</b> File History is only an option for wholly named jobs (it is not an option offered for *default jobs or jobs that use a wildcard).</p>
Maximum Records	The number of records (up to 16) to be kept on file for end-of-job statistics.

## Specifying Overrides to Client Runtime Controls

Overrides to the base-level client runtime controls may be specified. This provides the possibility for a greater granularity of control, allowing controls to relate specifically to particular logins, job steps or transactions.

Enter 'O' next to a job which already has AFP client controls in the Client Runtime Controls screen.

**Note:**

Not all job types will support overrides.

Then enter PF10 to add some client runtime control overrides.

The following screen will be displayed:

```

15:54:06      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2010-10-21
                - Add Client Runtime Control Override -                U11381M1

Type: Batch          Name: BLAH1

Select the override type ....: _ Login id
(mark one)           X Stepname

and specify the override name: AFPTEST1

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

```

In the example an overrides to a job of type batch is being created, for a specific step.

The following screen will be displayed:

```

15:55:56      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2010-10-21
                - Client Runtime Controls Override Summary -          U11380M1

Type: Batch          Name: BLAH1

C Type      Name      AFP      AVI      ATM      COR      Comments
_ Stepname   AFPTEST1

Mark with Modify,Purge,Rename,Copy,Information

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

```

Select M to modify the override client runtime controls.

The following screen will be displayed:

```

11:38:13      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2012-03-01
                - Adabas Fastpath Runtime Controls -                      U1138FM1

Control Type : Batch           Name: KM27WD           Last Modified: 2012-03-01
Override Type: Stepname       Name: AFPTEST1       by Userid: UKRPE

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           Maximum read-ahead unit size(k): 32
Command Time (Hex).....: 00000000   Maximum read-ahead rate.....: 4096
End-of-job Statistics..: X None
                        _ Daemon messages
                        _ File history with maximum records.....: 0

Command ==>

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

```

These runtime controls may be modified and saved using PF5.

In the Client Runtime Controls screen 'Overrides' will appear in the comments.

These overrides will now apply in preference to the base-level controls for the specific login, job step or transaction.

## Job History

### Save Job History

That Job history information be kept may be specified in the Client Runtime Controls.

The end-of-job statistics control may be set to save the Adabas Fastpath end-of-job statistics to the configuration file.

```

11:39:15      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2012-03-01
                - Adabas Fastpath Runtime Controls -                      U1132FM1

      Name: RPEAWG                                  Last Modified: 2012-03-01
      Type: Batch                                    by Userid: UKRPE

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                       Maximum read-ahead unit size(k): 64
Command Time (Hex).....: 12345678      Maximum read-ahead rate.....: 4096
End-of-job statistics..: _ None
                        _ Daemon messages
                        X File history with maximum records.....: 4

Command ==>

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

```

A maximum of 16 history records may be specified.

**Note:**

History is not supported for wildcard job names.

**Display Job History**

To display saved Job History information enter "H" on the Client Runtime controls screen next to a job which has AFP client controls.

```

13:12:32      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-03-17
                - Client Runtime Controls -                               U11300M1
                                Reposition to Type: _____
                                Name: _____

                                Client Controls
C Type          Name          AFP   AVI   ATM   COR          Comments
_ CICS (DTR)    CICSPROD                    Y
_              CICTDTR      Y                    Y
_              CICTDT1     Y                    Y
_ Misc.DTR      UKRPE      Y   Y   Y   Y          Overrides
_ Batch        RPE*****  Y                    Y          Overrides
_              NATPBAT                    Y
H              RPEAWG      Y                    Y
_              UKRPECMD   Y                    Y
_ COM-PLETE    DAEFCODE   Y                    Y
_ CICS         CICSRPE    Y                    Y
_              CICSTST1   Y                    Y          Overrides
_              CICST1     Y                    Y          Overrides
Mark with Display,Expand,Modify,Purge,Rename,Copy,Overrides,Information
History

Command ==>

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help          Exit Refr                               Fwd  Bot  Add  Prods Menu
    
```

If history has been saved for the job then the following screen will be displayed:

```

13:26:07      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-03-17
                - Adabas Fastpath Job History -                         U113B0M1

Name: RPEAWG
Type: Batch
C   Date          Time          C   Date          Time
_  2011-03-03    17:33:21    _  2011-03-03    12:56:46
_  2011-03-03    15:58:31    _  2011-03-03    15:58:32
_  2011-03-03    15:58:32    _  2011-03-03    15:58:33
_  2011-03-03    15:58:34    _  2011-03-03    17:31:18
_  2011-03-03    17:33:18    _  2011-03-03    17:33:19
_  2011-03-03    17:33:19    _  2011-03-03    17:33:20

Mark to display history information

Command ==>

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

In the example a job of type batch has 12 history items.

An individual history item can be selected and the following screen will be displayed:

```

13:27:41      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2011-03-17
                - Adabas Fastpath Job History -                          U113B0MB

Job:   RPEAWG Type: Batch           Number: B45852           Started: 2011-03-03 15:58

----- Optimization Summary -----
Access Type           Attempts (58%)   <-----Successes (61%)

Read-ahead:                (0%)                (0%)
Direct:                    9 (40%)            4 (44%)
RCs:                      4 (18%)            4 (44%)
Others:                    9 (42%)

Total:                    22 (100%)          8 (36%)

-----
                                Over-reads:

Status: 00 00 00 00      System ID:   BATCH

Command ==>

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

```

This information is provided in the same format as that provided by the Current Activity Displays at the Buffer level (see section Buffer Information).

Then enter PF6 to see the exclusions.



```

11:39:48      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2012-03-01
                - Adabas Fastpath Job History -                          U113B0MD
Job:   RPEAWG Type: Batch           Number: B43793      Started: 2012-03-01 10:59

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

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

Command ==>

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

```

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