

Parameter Maintenance

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

- Parameter Maintenance Menu
- Buffer Parameters
- File Parameters
- Client Runtime Controls

Parameter Maintenance Menu

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

```

18:21:37 ***** A D A B A S FASTPATH SERVICES 8.1.2 *****          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 8.1.2 *****                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 D(isplay),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 (D: display buffer parameters, M: modify buffer parameters, P: purge buffer, R: rename buffer, C: copy buffer, F: file parameters, E: expand to show member buffers). 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 in which this buffer is to be a member. Adabas Fastpath buffers operate as members of an Adabas System Coordinator group. |
| 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:

```

11:59:24                2006-05-19
      Add Buffer          F11110MB

Size(k)      : 4096

System Coordinator
Group Name : V811GR01
Member Name: X811ME03

(Leave empty to select)

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. |
| Member Name | The member name is the job name of the Adabas System Coordinator daemon under which this buffer is to operate. The member name may have already been defined. If not you will be prompted to define it by entering the unique Node ID by which this member 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 V811ME01.

```

16:47:23 ***** A D A B A S FASTPATH SERVICES 8.1.2 (I001) ***** 2006-10-09
- Buffer V811ME01 - F11120MA

System Coordinator Group Name: V811GR01 Member Name: V811ME01

Adabas SVC Number: 244 Designated DBID: 8111

Last Modified: 2006-10-09 By User ID: UKSJU
Last Buffer Address: 00000000 Length: 00000000 Session: 0

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

Size(k): 8192 Minimum Buffer Size(k): 0
Maximum Jobs: 12 Set ID Length Limit: 1024
RB Length Limit: 2048 Message Level(Hex): 00

Additional encodings: None _ (mark to alter)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---
Help Exit Upd File More 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 PF11, you can display the detail parameters for this buffer:

```

16:00:13 ***** A D A B A S FASTPATH SERVICES 8.1.2 (I003) ***** 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 File Prev 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.

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 8.1.2 *****           2006-05-19
- File Optimization Parameters for: Global AFP311A -                       F11200MA

                                     Start  End          Update
                                     Time   Time        Sensitivity
C   DBID   File   SVC      Time   Time
-   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

Reposition
DBID: _____
File: _____

Mark with D(isplay),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 (D: display file parameters, 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 Start Time. |
| Update Sensitivity | Controls how Adabas update commands are to be processed. See parameter Update Sensitivity. |

- 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. Note: 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. Note: 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 <code>Start Time</code> . |

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 8.1.2 *****                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. Note: You can enable optimization for a different time window by creating a different parameter set for this file. |
| 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. |

| Parameter | Description |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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"> ● Default: Inherit the buffer-level setting. ● None: Only data for Adabas internal encodings. ● All: All the possible encodings allowed by Fastpath. ● Single byte ascii: This additional character encoding. ● Single byte ebcdic: This additional character encoding. ● Double byte ascii: This additional character encoding. ● Double byte ebcdic: This additional character encoding. |
| Pacing: | Controls the rate at which housekeeping is performed for this file. |
| Optimization Summary | The current direct access and read-ahead optimization settings for each Adabas command used for this file. <p>Optimization can be defined for the following commands:</p> <ul style="list-style-type: none"> ● direct access: L1 , L3 , L9 , S1 , S2 ● read-ahead: L1 , L2 , L3 , L9 , S1 , S2 , S8 , S9 <p>Note: 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 8.1.2 *****      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 8.1.2 *****                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:

```

11:33:50      ***** A D A B A S   FASTPATH SERVICES 8.1.2 *****      2006-06-09
                - Client Runtime Controls -                               U11300M1
                                                Reposition to Type: _____
                                                Name: _____

                Client Controls
C Type      Name      AFP      AVI      ATM      COR      Comments
_ CICS (DTR) CICTDTR                Y
_ Batch     RPE*****  Y                Y
_           AFPJA      Y                Y      Overrides
_           AFPJB      Y                Y
_ TSO       UKRP*****  Y                Y
_           UKRPE      Y                Y

Mark with Display,Expand,Modify,Purge,Rename,Copy,Overrides,Information
End of List
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Refr                Add  Prods Menu
    
```

Maintain Client Runtime Controls

The following information is provided:

| Field | Description |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| C | Option code (display, modify, purge, rename, copy). 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 8.1.2 *****      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

| | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Name</p> | <p>The control name.</p> <p>Note: For non-DTR and API types, the control name will be the same as the job name.</p> <p>Note: 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> |
| <p>Type</p> | <p>The job type. Each different job type has a different characteristic so it is important to select the correct type.</p> <p>Note: 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>Note: 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.

```

12:31:36      ***** A D A B A S   FASTPATH SERVICES 8.1.2 *****      2006-06-09
                - 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).

```

12:33:58      ***** A D A B A S   FASTPATH SERVICES 8.1.2 *****      2006-06-09
                - 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
  Estimated Client Sessions: 2_____ API runtime overrides..: N (Y/N)
  Memory pool extents (k)..: 256_

  Maximum idle time (sec)..: _____

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.

```

12:36:08      ***** A D A B A S  FASTPATH SERVICES 8.1.2 *****      2006-06-09
                - Adabas Fastpath Runtime Controls -                      U1132FM2

Name: UKRRRR
Type: TSO

Fastpath ON/OFF for Job: ON

Using Group Name: _____ (Leave empty to select)

Please add Job Parameter details for Fastpath
Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit           Upd                               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:

```

17:44:06 ***** A D A B A S FASTPATH SERVICES 8.1.2 *****                2006-05-19
                - Adabas Fastpath Runtime Controls -                            F11320M1

Name: KM27WD                                           Last Modified: 2006-03-19
Type: Batch                                           by Userid: UKSJU

System Coordinator
(Buffer) Group Name.: SYSCO33                        Fastpath ON/OFF: ON

Job End Stats.....: N                               Direct Access...: ON

Read-ahead Optimization Control: BAT                Command Time...: 00000000 (Hex.)

Read-ahead Memory Limit(k).....: 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. |

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 particulat 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 8.1.2 *****      2006-06-09
                - 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 8.1.2 *****      2006-06-09
                - Client Runtime Controls Override Summary -          U11380M1

Type: Batch          Name: BLAH1

C Type          Name          AFP  AVI  ATM  COR  Comments
_ Stepname      AFPTEST1

Mark with Display,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:

```

15:59:56      ***** A D A B A S   FASTPATH SERVICES 8.1.2*****      2006-06-09
              - Adabas Fastpath Runtime Controls -                      U1138FM1

Control Type : Batch           Name: BLAH1                 Last Modified: 2006-04-05
Override Type: Stepname       Name: AFPTEST1             by Userid: UKRPE

System Coordinator
(Buffer) Group Name.: RPEGRP4           Fastpath ON/OFF: ON

Job End Stats.....: N                Direct Access...: ON

Read-ahead Optimization Control: BAT    Command Time...: 00000000 (Hex.)

Read-ahead Memory Limit(k).....: 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.