Special Services

This section describes the special services functions provided by Online Services.

- Special Services Menu

- Asynchronous Buffer Services

- Database Component Services

- Local Services

- Fix Display

Special Services Menu

Selecting option code 5 from the Online Services main menu or entering the command 5 on the command line displays the Special Services menu.

```
10:45:13      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2010-10-25
                     -  Special Services  -                          F15000M1


                 Code    Service
                 ----    ---------------------------
                  1      Asynchronous Buffer Services
                  2      Database Component Services
                  3      Local SYSAFP Services
                  4      Fix Display
                  .      Exit
                 ----    ---------------------------
           Code ..: _






  Command ==>



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

The following services are available, and can be invoked using the appropriate option code.

Code	Service	Provides communication facilities for the...
1	Asynchronous Buffer Services	selected active Adabas Fastpath buffer.
2	Database Component Services	database(s) for which Adabas Fastpath has been installed.
3	Local SYSAFP Services	job (a TP monitor, for example) in use when executing the functions.
4	Fix Display	display of applied fixes for all Adabas Fastpath components.

Asynchronous Buffer Services

Selecting option code 1 from the Special Services menu or entering the command 5.1 on any command line displays the following window:

```
10:45:53                2010-10-25
                        F15100MA
        Special Services
for ABM Node Id: 17004 A8P17004
      Status Active


        R Restart..(Stop/Start)
        S Stop.....(Terminate)
        N Newcopy..(and Restart)
        P Snap
        L Log
        I ABM Information
        . Exit
Code..: _



Command ==>
      PF1 Help    PF3 Exit
```

Asynchronous Buffer Services communicates with the buffer indicated at the top of the window. If the job is connected to a buffer, that buffer is shown when the window opens. You can override the default buffer by changing the database number to the one defined for the required buffer. All actions are a request to the Asynchronous Buffer Manager (AFPABM) to perform the function.

Option Code	Description
R: Restart	Stop the buffer in an orderly fashion, and then restart it again. Both primary and alternate configuration files (if used) must be available for this operation. (See note 1)
S: Stop	The Fastpath cache management service within the System Coordinator daemon is stopped. The configuration file and alternate (if used) must both be available for this operation. **Note:** This operation is not reversible without a complete recycle of the daemon.
N: Newcopy	Reload the Adabas Fastpath modules for the buffer and every other component connected to the buffer. AFPABM also performs a buffer restart. Both primary and alternate configuration files (if used) must be available for this operation. (See note 1)
P: Snap	Produce a snap dump of the buffer.
L: Log	Write a statistical log to the Adabas Fastpath configuration file.
I: ABM Information	Display general diagnostic information for the Adabas Fastpath buffer job.

Notes:

1. Multi-task clients (such as RPC and NDV servers) are not compatible with the dynamic Restart or Newcopy. Such jobs should be stopped before issuing the Fastpath operator command and restarted after the action has completed.

Database Component Services

Selecting option code 2 from the Special Services menu or entering the command 5.2 on any command line displays the following window:

```
10:46:24                    2010-10-25
                            F15200MA


     Special Services for:-
        DBID: 0____
  SysCo Node: 17004



        I Connection Information
        . Exit
Code..: _




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

The following fields are provided:

Field	Description
DBID	Database Component Services provides services for the database indicated at the top of the window. This can be any active database for which Adabas Fastpath has been installed. If the function is invoked from the System Job Summary screen as in the above example, the database for which communication is required is already established and is shown on the screen. Otherwise, the database number must be entered.
SysCo Node	The Adabas System Coordinator Node ID. This is only required for clustered databases: • If the Node ID is known, a screen follows showing a cluster map for the database. • If the Node ID is not known, you must enter it in this field.
Option Code	The following option code may be used: I: Connection Information. Displays connection information between the selected database and the Adabas Fastpath buffer to which the database is connected. See the Connection Information screen as described in the next section.

Local Services

Selecting option code 3 from the Special Services menu or entering the command 5.3 on any command line displays the following window.

Local Services provides service request communication for a local job with the TP monitor in use.

```
 10:47:10                    2010-10-25
                             F15300MA


       Special Services for:
         Local Job UKRPE

         I Connection Information
         S Job Statistics
         C ReConnect
         D Disconnect from Buffer
         N Newcopy
         . Exit
 Code..:  _




 Command ==>
       PF1 Help     PF3 Exit
```

The following fields are available:

Field	Description
Local Job	The local job for which the request is to be made.
Option Codes	The following option codes may be used: I: Connection Information. Displays connection information for the job. S: Job Statistics. Displays statistics for the local job when it is not connected to a buffer because read-ahead optimization may be taking place even when the buffer is not active. C: Reconnect. Attempts to connect to a buffer for the local job. D: Disconnect. Disconnects from the buffer for the local job. N: Newcopy. Temporarily disconnects the local job before reloading the Adabas Fastpath modules. Software AG does not recommend using Newcopy from Local SYSAFP Services. The preferred method is to use Newcopy from Asynchronous Buffer Services.

Connection Information

The Connection Status screen, which can be accessed from any of the Service options, displays connection status information:

```
10:47:50      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****        2010-10-25
 Run-mode: 17004          -  Connection Status Information  -       F1CNXSMA

 ***** Information Request *****
 Status Indicators: 00 1E 00 20           Owner: 0000000000000000
 Jobname: UKRPE     No: U12954   Type: 29    Amode: 00

     Address List: 2633C1D8         Initialization Code: ok      RC:
     Linker Stub:  263E3960               Retry Count: 1000  Limit: 1000
     Connection-0: 2642F420             Linker SVC: 254
     Connection-1: 263EDDA0                   Event:
     Connection-X: 263E75A0       System File:  SVC: 254      DB: 17003
     AFPKRN        A6457F78                                   FNR: 34
                                       Buffer:  SVC: 254      DB: 17004
                                         Poolname:
     Anchor:       16BAE400         Pool Address: 00000000
     Session:      16BBB3B8      User Exit 4 Routine:
     Reserved:     0000000000000000         CLOGIO: 00

 This Information Screen may be useful to Software AG Technical Support




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

Connection Information Screen

Although this screen is primarily intended for Software AG use to assist in identifying connection problems, some of the following information may be helpful to users.

Field	Description
Linker Stub	Load address of the Adabas Fastpath module that was linked with the Adabas link routine.
AFPKRN / AFPDEP / AFPCFG	Load addresses of the Adabas Fastpath modules. A zero address indicates that the module could not be found.
Anchor	Address of the Adabas Fastpath buffer pool, if it could be located. This address is usually zero if connection could not be made.
Session	Address of the job area (BSA) within the Adabas Fastpath buffer.
Initialization Code	"ok" indicates connection was successful. If connection was unsuccessful an error code relating to job initialization is shown.
RC	If there is an error when reading the Adabas Fastpath configuration file, this field shows the Adabas response code received.

Job Statistics

The Local Job Statistics screen can be invoked by selecting option code S from the Special Services for Local Job window:

```
10:52:38     ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****       2010-10-25
                        -  Local Job Statistics  -              F15310MA

 Job:    UKRPE Type: TSO        Number: U12954       Started: Oct 25,2010 10:21


 -------------------------- Optimization Summary ---------------------------
    Access Type            Attempts  (15%)     <---------Successes  (90%)

    Read-ahead:               2,071  (10%)                1,776  (85%)
    Direct:                     815   (4%)                  800  (98%)
    RCs:                        314   (1%)                  314  (38%)
    Others:                  15,742  (85%)

    Total:                   18,942 (100%)                2,890  (15%)
 ---------------------------------------------------------------------------
  Memory(k):             RA Memory:               Over-reads:            99

    Status: 00 1E 00 20   System Id:      TSO     Area Address: 2642F420



  Command ==>



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

This screen is useful when the job is not connected to a buffer to show the read-ahead optimization, which can continue even when the buffer is not connected.

The information provided is in the same format as that described in the section Detailed Job Information.

Fix Display

To display the applied fixes

● Select option 4 from Special Services menu.

```
08:36:03      ***** A D A B A S   FASTPATH SERVICES 8.2.2 *****      2010-04-23
              -  Fix Display: AFP 8.2.1 Patch: 0000 06/22/09  -      U1FIX0M1
              Local client job running this current session

 C  Patch Reference Type Description
 _  0000  AW821001  EXE  For example only









 Mark with any character for detail


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

Initially the screen will list all fixes applied to the Adabas Fastpath kernel in the local client
environment.

You can select other display perspectives (e.g. Coordinator daemon or Adabas database) by using
PF4. You can also directly list the applied fixes for Adabas System Coordinator, Adabas Vista, and
Adabas Transaction Manager by using PF11 to first select the appropriate product.