

# Special Services

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

- Special Services Menu
- Asynchronous Buffer Services
- Database Component Services
- Local Services

## 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.

```

11:15:24  ***** A D A B A S  FASTPATH SERVICES 7.4.1  *****                2002-09-05
                                           - Special Services -                F15000M1

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

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

```

## Special Services 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.

## 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:

```

11:15:55                2002-09-05
                        F15100MA

Special Services for
ABM Node Id: 33      SYSCO33
Status Active

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

Command ==>
          PF1 Help   PF3 Exit

```

### Asynchronous Buffer Services Menu

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.
S: Stop	Terminate the buffer in an orderly fashion.
N: Newcopy	Reload the Adabas Fastpath modules for the buffer and every other component connected to the buffer. AFPABM also performs a buffer restart.
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.
Z: ZAP Information	Display the numbers of ZAPs that have been applied to the Adabas Fastpath nucleus being used by the Adabas Fastpath buffer job.

## 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:

```

17:52:34                                2002-10-30
                                           F15200MA

Special Services for:
  DBID: 0
  SysCo Node: _____

  Z Zap Information
  I Connection Information
  . Exit
Code...: _

Command ==>

PF1 Help  PF3 Exit  PF5 Action

```

### Database Component Services Menu

The following fields are provided:

Field	Description
DBID	<p>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.</p> <p>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.</p>
SysCo Node	<p>The Adabas System Coordinator Node ID. This is only required for clustered databases:</p> <ul style="list-style-type: none"> <li>● If the Node ID is known, a screen follows showing a cluster map for the database.</li> <li>● If the Node ID is not known, you must enter it in this field.</li> </ul>
Option Codes	<p>The following option codes may be used:</p> <p>Z : Zap Information. Displays the ZAPs applied to the Adabas Fastpath nucleus used by the selected database component. See the Zap Information screen as described in the next section.</p> <p>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.</p>

## 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.

```

11:16:44                                2002-09-05
                                           F15300MA

Special Services for:
  Local Job DAEFCODE

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

Command ==>

PF1 Help  PF3 Exit

```

### Database Component Services Menu

The following fields are available:

Field	Description
Local Job	The local job for which the request is to be made.
Option Codes	<p>The following option codes may be used:</p> <p>Z: Zap Information. Displays the numbers of ZAPs that have been applied to the Adabas Fastpath nucleus being accessed from the local job.</p> <p>I: Connection Information. Displays connection information for the job.</p> <p>S: Job Statistics: Displays statistics for the local job even if it is not connected to a buffer (read-ahead optimization may be active).</p> <p>C: Reconnect. Attempts to connect to a buffer for the local job.</p> <p>D: Disconnect. Disconnects from the buffer for the local job.</p> <p>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.</p>

## ZAP Information

The following screen is an example of the ZAP information that can be retrieved from any of the Service options:

```

11:17:32  ***** A D A B A S  FASTPATH SERVICES 7.4.1 *****                2002-09-05
          -  Display ZAP IDs (AFPIDnnn) from DAEFCODE          -                F1ZAPDM1

Version: AFP 7.2                                           Last Assembly Date: 08/02/01

  --- 002  --- 004  ---  --- 007  ---  ---  ---  --- 012  ---  ---  ---  ---
  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---
  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---  ---

Enter ZAP number for details: ____

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

```

## ZAP Information

This information is useful for checking the ZAPs that have been applied to the Adabas Fastpath modules, as used by the selected service option.

By entering a ZAP number, you can see the ZAP details that have been applied, but only the part relevant to the AFPZAP module.

PF9 can be used to display the ZAPs applied to the modules common to all Adabas options.

## Connection Information

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

```

11:18:48 ***** A D A B A S FASTPATH SERVICES 7.4.1 *****                2002-09-05
- Connection Status Information -                                           FLCNXSMA

***** Information Request *****
Status Indicators: 00 1E 00 A0          Owner: 0000000000000000
Jobname: DAEFCODE No: C30694   Type: 21   Amode: 80

Address List: 1018ADB8          Initialization Error:          RC:
Linker Stub: 1098DEE8          Retry Count: 1000   Limit: 1000
Connection-0: 10996664          Linker SVC: 254
Connection-1: 003E8D00          Event:
Connection-X: 003E54E0          Configuration File: SVC: 240   DB: 198
AFPKRN      90B29BB0          FNR: 19
AFPDEP      00399578          Buffer: SVC: 240     DB: 33
AFPCFG      00311218          Poolname:
Anchor:     099D3000          Pool Address: 00000000
Session:    099E28C8          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 Error	Error code relating to job initialization. Code 10 indicates that a parameter was corrected by the system and should be ignored. Other codes are related to errors detected when reading the Adabas Fastpath configuration file. RC 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:

```

11:19:30 ***** A D A B A S FASTPATH SERVICES 7.4.1 *****                2002-09-05
                - Local Job Statistics -                                     F15310MA

Job: DAEFCODE Type: COM-LETE Number: C30694           Started: Sep  5,2002 10:02

----- Optimization Summary -----
Access Type           Attempts (100%) <-----Successes (85%)

Read-ahead:           896 (100%)                765 (85%)
Direct:                (0%)                    (0%)
RCs:                   (0%)                    (0%)
Excluded:              (0%)

Total:                 896 (100%)                765 (85%)

-----
Memory(k): 368          RA Memory:              Over-reads:

Status: 00 1E 00 A0    System Id: DAEFCODE      Area Address: 10996664

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

**Local Job Statistics Screen**

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.