# Maintaining Checkpoints

Selecting Checkpoint Maintenance (option **C**) from the Adabas Online System**Main Menu** invokes the **Checkpoint Maintenance** menu:

```
 08:11:42           *****  A D A B A S   BASIC  SERVICES  *****      2006-07-21
                        -  Checkpoint Maintenance  -              PCP0002


                       Code     Service
                       ----     ----------------------
                        C       List checkpoints
                        D       Delete checkpoints
                        ?       Help
                        .       Exit
                       ----     ----------------------


          Code ............. _
          Date(YYYY-MM-DD) . _____
          Ext. CP-list ..... N
          Checkpoint Name .. ALL
          Database ID ...... 105    (RD-MPM105)


   Command ==>
   PF1----- PF2------ PF3------ PF4------ PF6----- PF7----- PF8----- PF12-----
   Help            Exit                                              Menu
```

Using the AOS checkpoint maintenance environment, you can perform the following functions, accessible by menu option:

| Option | Function |
|--------|----------|
| C | *Listing Checkpoints* lists checkpoints currently in the checkpoint file. |
| D | *Deleting Checkpoints* allows you to remove all checkpoint file entries up to a specified date. |

# Listing Checkpoints

Selecting **List checkpoints** (option **C**) on the **Checkpoint Maintenance** menu lists checkpoints currently in the checkpoint file.

The result can be either a basic or an extended list, depending on the setting of the External CP-list field, which can be used to override the CPEXLIST operating control parameter.

You can start the list of checkpoints on a particular day by entering the date in the Date field in exactly the format shown.

You can specify the database for which the checkpoint list is to be written.

You can restrict the list to a particular checkpoint name by changing the ALL designation in the Checkpoint Name field to one of the following:

| Type | Description |
|------|-------------|
| SYNC | nucleus initialization |
| SYNF | user open EXF |
| SYNP | utility, without nucleus |
| SYNS | ADARES |
| SYNV | volume ID change |
| SYNX | utility |
| SYN1 | ADASAV DB begin |
| SYN2 | ADASAV DB begin |
| SYN4 | ADASAV file begin |
| SYN5 | ADASAV file begin |

For more information about checkpoint names, refer to your *Adabas Utilities* documentation.

The following screen displays a normal checkpoint list:

```
18:56:29            ***** A D A B A S  BASIC  SERVICES *****      2009-08-13
DBID 1955                    - List Checkpoints -                  PCPC012

  CP   CP     Date      Time      PLOG      Block      Vol/Ser   User Job Name
Name Type                        Number     Number     Number    Type
 ---- ----  ---------- --------   ------   ----------  --------   ---- --------
 SYNP  30   2009-02-17 19:07:59                                        USAWISN0
 SYNP  30   2009-02-17 19:07:59                                        USAWISN0
 SYNP  30   2009-02-17 19:08:00                                        USAWISN0
 SYNP  30   2009-02-17 19:08:01                                        USAWISN0
 SYNP  30   2009-02-17 19:08:01                                        USAWISN0
 SYNC  01   2009-02-17 19:08:02                                        USAWISN0
 SYNS  5B   2009-02-17 19:08:02                                   EXU  ADAEND
 SYNP  30   2009-02-17 19:17:04      2          1     DUAL             USAWISTA
 SYNC  01   2009-02-17 19:27:58      2          2     DUAL             USAWISRP
 SYNP  30   2009-02-17 19:42:40      2        365     DUAL        UTI  USAWISTA
 SYNP  30   2009-02-17 19:42:40      2        366     DUAL        UTI  USAWISTA
 SYNP  30   2009-02-17 19:42:40      2        367     DUAL        UTI  USAWISTA
 SYNS  60   2009-02-17 21:17:58      2      21370     DUAL             ADABAS
 SYNS  60   2009-02-18 16:41:30      2      21371     DUAL             ADABAS
 SYNS  60   2009-02-19 09:25:33      2      21372     DUAL             ADABAS
PF1----- PF2------ PF3------ PF4------ PF6----- PF7 ----- PF8----- PF12-----
Help              Exit                Top       -         +        Menu
```

This screen illustrates an extended checkpoint list providing additional information about each checkpoint:

```
18:58:21              ***** A D A B A S  BASIC  SERVICES *****       2009-08-13
DBID 1955                      - List Checkpoints -                    PCPC012

  CP   CP    Date       Time      PLOG      Block      Vol/Ser   User Job Name
 Name Type                        Number    Number     Number    Type
 ---- ---- ---------- --------   ------  ----------   -------- ---- --------
 SYNP  30  2009-02-17 19:07:59                                        USAWISN0
      LOAD             FNR= 1
 SYNP  30  2009-02-17 19:07:59                                        USAWISN0
      LOAD             FNR= 2
 SYNP  30  2009-02-17 19:08:00                                        USAWISN0
      LOAD             FNR= 3
 SYNP  30  2009-02-17 19:08:01                                        USAWISN0
      LOAD             FNR= 6
 SYNP  30  2009-02-17 19:08:01                                        USAWISN0
      LOAD             FNR= 7
 SYNC  01  2009-02-17 19:08:02                                        USAWISN0
      SESSION OPEN       IGNDIB = N , FORCE = N
 SYNS  5B  2009-02-17 19:08:02                                    EXU  ADAEND
      REFRESH STATS
 SYNP  30  2009-02-17 19:17:04         2          1   DUAL           USAWISTA
PF1----- PF2------ PF3------ PF4------ PF6----- PF7 ----- PF8----- PF12-----
Help              Exit                  Top       -        +       Menu
```

# Deleting Checkpoints

You can remove all checkpoint file entries up to the date you specify in the Date field by selecting **Delete checkpoints** (option **D**) on the **Checkpoint Maintenance** menu. The following screen appears:

```
18:59:08              ***** A D A B A S  BASIC  SERVICES *****       2009-08-13
DBID 1955                      - Delete Checkpoints -                  PCPD002




            All checkpoint entries up to .. 2009-08-13 (YYYY-MM-DD)
            will be deleted.

            Confirm by pressing the 'ENTER' key or
            modify the date and then press 'ENTER'.







PF1----- PF2------ PF3------ PF4------ PF6----- PF7----- PF8----- PF12-----
Help              Exit                                            Menu
```