

Current Resource Statistics

Selecting Current Resource Statistics (option "S") from the Session Monitoring menu invokes the Resource Statistics menu:

```

13:07:40          ***** A D A B A S  BASIC SERVICES  *****          2005-11-14
                   - Resource Statistics -                               PACS002

                Code  Service
                ----  -
                G    Start General Statistics
                R    Read General Statistics
                S    Read User Statistics
                U    Start User Statistics
                ?    Help
                .    Exit
                ----  -

Code ..... _
Duration .... 60  seconds
User ID .....
Database ID .. 105      (RD-MPM105)

Command ==>
PF1----- PF2----- PF3----- PF4----- PF6----- PF7----- PF8----- PF12-----
Help      Disp UQ   Exit      Clear UID                               Menu

```

Resource statistics provide information about file and command use either for a single user (user statistics) or for all currently active users (general statistics). The statistics must first be collected by starting a sampling period for which you have specified a time period in seconds (duration).

▶ To obtain statistics for all currently active users

1. Start general statistics (option "G") and, after the specified duration, read them (option "R").

The equivalent direct commands are

```

START STATISTICS
READ STATISTICS

```

If user statistics are started (option "U") or subsequently read (option "S"), a user ID must either be indicated on this screen or have been previously selected in the Display User Queue (PF2) or Display Command Queue options; see section *Direct Commands*. PF4 is used to deselect a previously selected user ID.

This chapter covers the following topics:

- Statistics for Versions of Adabas Prior to 6.2
- Adabas Version 6.2 and Above Statistics

Statistics for Versions of Adabas Prior to 6.2

For versions of Adabas prior to 6.2, the following resource statistics information is displayed for specific users:

```

13:21:52          ***** A D A B A S  BASIC  SERVICES  *****          2005-11-14
DBID 105          -  User Statistics  -                               PACSS02

Statistic Start Time ... 2005-11-14 13:21:39
User-ID ..... SAGNA
-----
Threadtime :          59.6 msec.  I/Os : 0          Cmds. : 142          ( 99.3 %)

Command Usage :  A1/4  =          33  BT    =          CL    =
                  ET   =           1  E1/4  =           2  L1/4  =
                  L2/5  =          L3/6  =          68  L9   =
                  LF   =          N1/2  =           2  OP   =
                  UC   =          RC   =          30  RE   =
                  REST  =          S1/4  =           6  S2   =
                  S5   =          S8   =          S9   =

File Usage :  F- 0 = 31          F- 50 = 1          F- 100 = 109          F- 110 = 1

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

```

and for all currently active users (general statistics):

```

13:41:52          ***** A D A B A S  BASIC  SERVICES  *****          2005-11-14
DBID 105          -  User Statistics  -                               PACSS02

-----

Command Usage :  A1/4  =          33  BT    =          CL    =
                  ET   =           1  E1/4  =           2  L1/4  =
                  L2/5  =          L3/6  =          68  L9   =
                  LF   =          N1/2  =           2  OP   =
                  UC   =          RC   =          30  RE   =
                  REST  =          S1/4  =           6  S2   =
                  S5   =          S8   =          S9   =

File Usage :  F- 0 = 31          F- 50 = 1          F- 100 = 109          F- 110 = 1

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

```

Adabas Version 6.2 and Above Statistics

For Adabas version 6.2 and above, two screens of statistics are displayed: the first shows command usage and the second shows file usage. You can use PF4 to toggle between the two screens.

Command Usage Display

The following command usage information is displayed for specific users:

```

13:43:40          ***** A D A B A S  BASIC  SERVICES  *****      2005-11-14
DBID 105          - User Statistics: Command Usage -                  PACSS12

Statistic Start Time ..... 2005-11-14 13:10:55          UserID ... SAGNA
L1/4 - Read/Get Record ...          A1/A4 - Record Update ....
L2/5 - Read Physical .....          N1/N2 - Add Record .....
L3/6 - Read Logical .....          232  E1/E2 - Delete Record ....
L9  - Read Descriptor ...          73
LF  - Read Field Def. ...          8    OP  - Open User Sess ...
RE  - Read ET Data .....          CL  - Close User Sess ..
S1/4 - Find Records .....          3    ET  - End Transaction ..
S2  - Find Sorted .....          BT  - Backout Tran. ....
S5  - Find Coupled ISN ..          RC  - Release Cmd ID ...    254
S8  - Process ISN List ..          UC  - Utility Command ..
S9  - Sort ISN List .....          **  - All other cmds ...

Thread Time (msec) ..... 672.6          99.8%  User's commands ..    562
No. of I/Os ..... 216          Total Commands ...    563

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

and for all currently active users (general statistics):

```

13:53:40          ***** A D A B A S  BASIC  SERVICES  *****      2005-11-14
DBID 105          - User Statistics: Command Usage -                  PACSS12

Statistic Start Time ..... 2005-11-14 13:10:55
L1/4 - Read/Get Record ...          A1/A4 - Record Update ....
L2/5 - Read Physical .....          N1/N2 - Add Record .....
L3/6 - Read Logical .....          232  E1/E2 - Delete Record ....
L9  - Read Descriptor ...          73
LF  - Read Field Def. ...          8    OP  - Open User Sess ...
RE  - Read ET Data .....          CL  - Close User Sess ..
S1/4 - Find Records .....          3    ET  - End Transaction ..
S2  - Find Sorted .....          BT  - Backout Tran. ....
S5  - Find Coupled ISN ..          RC  - Release Cmd ID ...    254
S8  - Process ISN List ..          UC  - Utility Command ..
S9  - Sort ISN List .....          **  - All other cmds ...

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

You can use PF2 to toggle between user statistics screens and general statistics screens whenever both have been started and are available for viewing.

File Usage Display

The following file usage information is displayed for specific users:

```

14:13:40          ***** A D A B A S  BASIC  SERVICES  *****          2005-11-14
DBID 105          -  User Statistic:  File Usage  -          PACSS12

Statistic Start Time ..... 2005-11-14  14:10:55          UserID ...  SAGNA
Thread Time (msec) ..... 672.6          No. I/Os.. 216

File   File Name          No. Cmds   File   File Name          No. Cmds
-----
  0   *Cmds with no Fnr*          90        4   EMPLOYEES          37
  8   TEST-8                    4         12  TRIGGER-FILE       52
100  NATURAL-FNAT              343       110 NATURAL-FDIC       36

Perc of all cmds .. 99.8%          Commands processed:          562

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

and for all currently active users (general statistics):

```

14:21:40          ***** A D A B A S  BASIC  SERVICES  *****          2005-11-14
DBID 105          -  User Statistic:  File Usage  -          PACSS12

Statistic Start Time ..... 2005-11-14  14:16:25

File   File Name          No. Cmds   File   File Name          No. Cmds
-----
  0   *Cmds with no Fnr*          90        4   EMPLOYEES          37
  8   TEST-8                    4         12  TRIGGER-FILE       52
100  NATURAL-FNAT              343       110 NATURAL-FDIC       36

Commands processed:          562

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

You can use PF2 to toggle between user statistics screens and general statistics screens whenever both have been started and are available for viewing.