

Adabas Review

Managing Report Output

Version 4.4.1

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This document applies to Adabas Review Version 4.4.1 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 Managing Report Output

This document discusses the commands that enable you to process the results of started reports.

The Adabas Review Managing Report Output documentation is organized in the following topics:

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	Sorting Report Results
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	Purging Accumulated Data

2 Viewing Report Results

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The `vw` command enables you to view the data accumulated by a history report or a report that has been started. The command may be issued from any of the list function screens (LR, LS, and LH).

When you issue the `vw` command, the display program associated with the report is executed, and the collected data is displayed online.

▶ **To view report results**

- Enter the command `vw` on the selection line preceding the name of a history report or a report that has been started.


An example of report results available using the `vw` command is shown in the Thread Activity screen below:

```
14:46:43                                THREAD ACTIVITY                                2003-07-07
                                01:49:04 07-27-1996 Thru 14:46:43 07-27-1996                                LOCL=00009

Thd      Total      Total      Avg      Avg
  Commands  IOs      IOs      IOs      Total-Dur
-----
  1      206054      72128      0      0.009776
  2         7652      3467      0      0.023517
  3         207        151      0      0.043532
  4          8         1      0      0.015584
***      213921      75747      0      0.010301

*****  E N D    O F    R E P O R T    *****

Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Sort  Exit                                Menu
```

 **Note:** Restrictions apply to the commands that may be issued while viewing reports. For more information, refer to chapter *Command Reference*.

Viewing Wide Reports

When reports have more columns than will fit on a screen, PF10 and PF11 may be used to scroll the display to the left or right. When available, these keys are marked with left and right arrows. PF10 scrolls the display to the left, and PF11 scrolls the display to the right. The first column is repeated on each screen.

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Sorting Report Results

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The `VIEW` command has within it a `SORT` command that enables you to dynamically change the setting of the "Display By" report option.

The following settings are available within the `SORT` command:

Setting	Sorts the data in . . .	Display Option
Account (Ascend)	ascending order by control break	SORTED
Number of Commands	descending order by the "Number of Commands"	USAGE
First Summary Field	descending order by the first field designated as a summary field in the report definition	SUMFIELD
Account (Descend)	descending order by control break	SORTEDDE
Date and Time	ascending order by the start date and time of the control break interval	DATETIME
Physical Sequence	the physical sequence in which it was collected Note: This setting is not available in batch mode.	LINEAR

This chapter covers the following topics:

Using the `SORT` Command

▶ To issue the `SORT` command

- 1 Enter the `VW` command on the selection line preceding the name of a started report.
- 2 From the display of the report results, press `PF2` or enter `SORT` on the command line.

A window is displayed, listing the sort options. The option preceded by an arrow (`>`) is the current sorting sequence report option.

- 3 Change the sort option by placing the cursor on your selection and pressing `ENTER`.

The order of the data in the display is changed according to the sort option you selected.

Examples of Sort Options

The "Sample Sort Displays" report example illustrates the differences in data presentation that occur when the SORT command is used with the VIEW command. This example collects and calculates the following statistics on Adabas commands:

Field	Statistic	Designated as the . . .
15M	15 minute interval in which the command was issued	first control break
CMD	command code	second control break
CMDRESP	total response time for the command	first summary field
IOS	total number of I/Os issued by the command	second summary field
COMMANDS	total number of commands	third summary field
CMDRESP	average response time used per command	—
IOS	average number of I/Os issued per command	—

```
16:40:01          A D A B A S  -  R E V I E W          2003-07-07
                          Edit Report                      HUB=00221
```

```
Report Name: SAMPLE SORT DISPLAYS_____ DBID to Monitor:___
```

```
+-----+
|  Field      Order  Sum  Min  Max  Avg  Pct  Rate  Round  |
+-----+-----+
| 15M_____  _1   -   -   -   -   -   -   _____|
| CMD_____  _2   -   -   -   -   -   -   _____|
| CMDRESP_   _    X   -   -   X   -   -   _____|
| IOS_____  _    X   -   -   X   -   -   _____|
| COMMANDS   _    X   -   -   -   -   -   _____|
| _____  _    -   -   -   -   -   -   _____|
+-----+-----+
                          Page 1
```

This report contains processing rules

```
Command: _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Optns Exit          Save  Start  -    +          Rules Flds  Menu
```

The Account (Ascend) Option

Using the "Account (Ascend)" sort option (equivalent to setting the Display By parameter to "SORTED"), the results of the "Sample Sort Displays" report are displayed as follows:

```

16:42:47                               SAMPLE SORT DISPLAYS                               2003-07-07
                               16:28:44 04-22-1996 Thru 16:31:06 04-22-1996                               LOCL=00009

```

Time	Cmd	Total Response	Total IOs	Total Commands	Avg Response
16:15	ET	0.008320	6	3	0.002773
	L6	0.036960	261	9	0.004106
	N1	0.232544	540	97	0.002397
	S1	0.026304	7	3	0.008768
*****	***	0.304128	814	112	0.002715
16:30	ET	0.028688	22	11	0.002608
	L6	0.006640	533	24	0.000276
	N1	0.086016	747	168	0.000512
*****	***	0.121344	1302	203	0.000597
*****	***	0.425472	2116	315	0.001350

***** E N D O F R E P O R T *****

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

Data is grouped in ascending order by the first control break, the 15M field. Within the hour group, the data is grouped in ascending order by the second control break, the CMD field.

The Number of Commands Option

Using the "Number of Commands" sort option (equivalent to setting the Display By parameter to "USAGE"), the results of the "Sample Sort Displays" report are displayed as follows:

```

16:43:10                               SAMPLE SORT DISPLAYS                               2003-07-07
                               16:28:44 04-22-1996 Thru 16:31:06 04-22-1996                               LOCL=00009

```

Time	Cmd	Total Response	Total IOs	Total Commands	Avg Response
16:30	N1	0.086016	747	168	0.000512
16:15	N1	0.232544	540	97	0.002397
16:30	L6	0.006640	533	24	0.000276
16:30	ET	0.028688	22	11	0.002608

```

16:15 L6      0.036960      261      9      0.004106
16:15 S1      0.026304      7        3      0.008768
16:15 ET      0.008320      6        3      0.002773
***** ***      0.425472      2116     315     0.001350

*****  E N D    O F    R E P O R T    *****

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

```

Data is grouped in descending order by the "Number of Commands".

 **Note:** In Adabas Review, `COMMANDS` is now a selectable field. The "Number of Commands" sort option may be used to sort the display, even if the `COMMANDS` field is not displayed in the report.

The First Summary Field Option

Using the "First Summary Field" sort option (equivalent to setting the "Display By" parameter to "SUMFIELD"), the results of the "Sample Sort Displays" report are displayed as follows:

```

16:43:21                                     SAMPLE SORT DISPLAYS                                     2003-07-07
                                     16:28:44 04-22-1996 Thru 16:31:06 04-22-1996                                     LOCL=00009

Time  Cmd      Total      Total      Total      Avg
-----  ---  Response      IOs      Commands      Response
-----  ---  -----
16:15 N1      0.232544      540      97      0.002397
16:30 N1      0.086016      747     168      0.000512
16:15 L6      0.036960      261      9      0.004106
16:30 ET      0.028688      22      11      0.002608
16:15 S1      0.026304      7        3      0.008768
16:15 ET      0.008320      6        3      0.002773
16:30 L6      0.006640      533     24      0.000276
***** ***      0.425472      2116     315     0.001350

*****  E N D    O F    R E P O R T    *****

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

```

Data is grouped in descending order by the Total Response column, because the CMDRESP field was designated as the first summary field.

The Account (Descend) Option

Using the "Account (Descend)" sort option (equivalent to setting the Display By parameter to "SORTEDDE"), the results of the "Sample Sort Displays" report are displayed as follows:

```

16:43:33                               SAMPLE SORT DISPLAYS                               2003-07-07
                                16:28:44 04-22-1996 Thru 16:31:06 04-22-1996                                LOCL=00009

Time  Cmd      Total      Total      Total      Avg
-----  -----  -----  -----  -----  -----
      Response      IOs      Commands      Response

16:30  N1          0.086016      747          168          0.000512
      L6          0.006640      533           24          0.000276
      ET          0.028688       22           11          0.002608
***** ***          0.121344     1302          203          0.000597
16:15  S1          0.026304       7            3          0.008768
      N1          0.232544      540           97          0.002397
      L6          0.036960      261            9          0.004106
      ET          0.008320       6            3          0.002773
***** ***          0.304128      814          112          0.002715
***** ***          0.425472     2116          315          0.001350

*****  E N D    O F    R E P O R T    *****

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

Data is grouped in descending order by the first control break, the 15M field. Within the 15 minute interval, the data is grouped in descending order by the second control break, the CMD field.

The Date and Time Option

Using the "Date and Time" sort option, the results of the "Sample Sort Displays" report are displayed as follows:

```

16:43:42                SAMPLE SORT DISPLAYS                2003-07-07
                        16:28:44 04-22-1996 Thru 16:31:06 04-22-1996      LOCL=00009

Time  Cmd      Total      Total      Total      Avg
-----  ---  Response      IOs      Commands      Response
-----  ---  -----  -----  -----  -----
16:15 N1         0.232544         540         97         0.002397
16:15 S1         0.026304          7          3         0.008768
16:15 L6         0.036960        261          9         0.004106
16:15 ET         0.008320          6          3         0.002773
16:30 L6         0.006640        533         24         0.000276
16:30 N1         0.086016        747        168         0.000512
16:30 ET         0.028688         22         11         0.002608
***** ***         0.425472        2116        315         0.001350

*****  E N D    O F    R E P O R T    *****

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

Data is grouped in ascending order by the start date and time of the control break interval.

The Physical Sequence Option

Using the "physical sequence" sort option, the results of the "Sample Sort Displays" report are displayed as follows:

```

16:01:50                SAMPLE SORT DISPLAYS                2003-07-07
                        15:46:24 06-14-1996 Thru 16:01:46 06-14-1996      LOCL=00009

Time  Cmd      Total      Total      Total      Avg
-----  ---  Response      IOs      Commands      Response
-----  ---  -----  -----  -----  -----
15:45 L6         0.008064        123         63         0.000128
      E4         0.001344          7          6         0.000224
      E1         0.002880         54         12         0.000240
      RI         0.000800          0         25         0.000032
      CL         0.026160          7          3         0.008720
***** ***         0.583040        4188        7553         0.000077
    
```

Sorting Report Results

16:00	S4	0.023760	12	135	0.000176
	A1	0.033968	125	193	0.000176
	ET	0.003040	85	95	0.000032
	L3	0.038560	156	482	0.000080
	RC	0.011296	0	706	0.000016
	L9	0.006912	22	108	0.000064
	S1	0.008832	47	69	0.000128

Command: _____

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

Data is grouped in the order of the physical sequence in which it was collected.

4 Printing Report Results

The `HC` command enables you to send report results to a printer, if the hard copy feature of Natural is available. The `HC` command may be issued from the list of history reports or the list of started reports (`LH` or `LS` functions).

▶ **To print report results**

- Enter the command `HC` on the selection line preceding the report name.

5 Downloading Report Output



Notes:

1. This command requires that you have Entire Connection installed.
2. The DL command is not available from the View Report Results (VW) screen.

The DL command enables you to download report output to a personal computer. This command may be issued from the Started Reports screen (LS function) or the History Reports screen (LH function).

▶ To download report results

- 1 Enter the DL command on the selection line preceding the report name.

Entire Connection prompts you for a file name. A default directory name is displayed; you may specify a different directory name, if desired.

- 2 Press ENTER to begin the download procedure.

You are notified when the download procedure is completed.

The data downloaded to your personal computer contains only the contents of the fields in the report. The headings and edit masks supplied by the display program do not appear in the downloaded data.

6 Purging Accumulated Data

The data accumulated by a report that has been started may be purged by issuing the `PS` command from the Started Reports screen (`LS` function). The `PS` command also deactivates the started report so that no further data is accumulated.

▶ **To purge accumulated data**

- 1 Enter the `PS` command on the selection line preceding the report name from the Started Reports screen.

Depending on your profile setting, you may be prompted to confirm the purge request.
- 2 Confirm the purge request, if required.

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