

D3 File Sizer Utility User's Guide

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Introduction

This chapter explains syntax and document conventions.

Document Conventions

Different typefaces and type styles are used throughout this book to indicate specific kinds of information.

In some cases where a software change will be implemented soon, you may notice that this document differs from actual displays in your specific installation.

NOTE— For ease of readability, references to *a previous D³ release* also apply to *a previous Advanced Pick release*.

Syntax Conventions

Convention	Description
boldface	Words or characters in bold should be entered (typed) as shown.
monospace type	Indicates code examples or syntax, commands, file names, options and other keywords recognized by the system.
<i>italic</i>	Variables to be replaced by the value. It might be an actual name, word, or number. For example, <i>baud_rate</i> might be replaced by 9600 . Used to reference Pick documentation. For example, See <i>Entering Data</i> on page 4.
n m	These letters represent numbers and are usually input as a single string without commas. Numbers may also be used to define a range designation. The starting and ending numbers are typed with a hyphen between. For example, <i>n{-m}</i> might be replaced by 10 or by 1-31 .
{ }	Information or commands displayed within braces ({ }) are optional.
	The vertical bar or pipe sign (For example, on off) separates available options.

Convention	Description
[]	Selection required: available choices are displayed within brackets ([]).

Active Links

When this guide is viewed in PDF format (Portable Document Format), certain text will contain hypertext links to the PICK Systems Web site. These links can be used to access the online Programmers Reference Manual quickly. These hypertext links will appear like this:

<http://eng.picksys.com/w3library/>

Cross references that are italicized to other topics in this document are active links to that topic. These references will appear like this:

See *Document Conventions* on page 2 for information on typeface usage.

Entering Data

Action	Description
Enter	Input the specified commands or text as shown in the instruction and then press the carriage return key, usually labeled as Enter, Return, or New Line on your keyboard.
Type	Input the specified commands or text as shown in the instruction. Do not press the carriage return key unless instructed.
Press	Press the single specified character or combination of characters as instructed.

D³ Terms

These D³ terms are used throughout:

Term	Description
log in	This term refers to the user login. A user logs in using the user name and optional password.
connect	A user establishes a connection with a virtual machine. The default virtual machine name is <code>pick0</code> . If several virtual machines exist on the same system, the user identifies the virtual machine using a symbolic name such as <code>d3_newyork_branch</code> .
log on	This term refers to the D ³ log on. A user logs on by giving a D ³ user name and an optional master dictionary and password. On a turnkey system, this is the only interface the end-user sees.
disconnect	Generally, to disconnect from the D ³ environment, execute the <code>exit</code> command. On a default, non-turnkey system, disconnecting releases the user to the Unix shell and terminates their D ³ session. On a turnkey process, disconnecting returns the user to the D ³ logon prompt. A user logged on to the D ³ virtual machine can disconnect temporarily, dropping to the shell. The user is still logged on to the D ³ virtual machine, suspending the D ³ environment until they reconnect to the virtual machine and resume activity.

Overview

Use the D³ File Sizer Utility to resize D³ NT or D³ Unix files automatically or manually. The D³ File Sizer Utility uses the file-of-files, which is updated by the `file-save` command.

The file-of-files contains statistical information for each file on the system. Whenever a file is created, restored or deleted, this file is updated.

If you are already familiar with the D³ File Sizer Utility, use *Appendix A: D³ File Sizer Utility Commands* on page 49 as a quick reference.

Automatic Resizing

The D³ File Sizer Utility automatically resizes D³ NT and Unix platform database files through the use of the Background Monitor. At user specified intervals, the Background Monitor analyzes the size of files in:

- A specified account.
- Individual files.
- The entire system.

and automatically resizes them to ensure proper system performance.

Manual Resizing

The D³ File Sizer Utility also allows the manual resizing of files at any time. The user can build a list of selected files to resize, and view information about individual files. Files can be resized manually regardless of Background Monitor status.

Resizing Files with the Background Monitor

The Background Monitor tracks files on your database daily, weekly, or monthly (depending on how often you specify) to ensure that they are sized according to the default maximum ratio or according to individually set maximum ratios.

The following options may be edited by the user:

- Wake-up date
- Wake-up time
- Check files (Specifies how frequently the files are checked)
- Day of month
- Day of week
- Monitor
- Default Max. Fill
- Default Action

Resizing Individual Files

Files can be resized on an individual basis at any time. To track the files being resized, build a list of selected files. Using the list of selected files, you can view individual file information, search the list for a specific character string, or resize a file.

File statistics displayed within the various D³ File Sizer screens are regenerated by performing a `file-save` or `account-save`, running the D³ File Sizer Utility, then performing another `file-save/account-save`. Detailed instructions are provided in the remaining pages of this document. See *Viewing File Information* on page 25.

Accessing the Background Monitor

Access the Background Monitor from the Main Menu of the D³ File Sizer Utility. Use the Background Monitor to:

- Start and stop the Background Monitor.
- Display the Monitor status, and modify the Wake-up Time and Date.
- Modify options such as Maximum Fill Ratio, files to be monitored, and Wake-up Time.

NOTE—Oversized files cannot be resized using the D³ File Sizer Utility.

Starting the Background Monitor

Files cannot be resized automatically unless the Background Monitor is running.

► **To start the Background Monitor:**

1. Start the D³ File Sizer Utility. At TCL, enter:

file-sizer

The Main Menu displays:

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log file
8. Exit

-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

2. Select option 1. Start Background Monitor.

The message displays:

```
Start Background Monitor. Confirm (<y>/n)?
```

3. Press:

- y to start the Background Monitor.
- n to return to the Main Menu without starting the Background Monitor.

Stopping the Background Monitor

To disable file monitoring, stop the Background Monitor.

► **To stop the Background Monitor:**

1. Select option 2. Stop Background Monitor from the Main Menu:

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log file
8. Exit

-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

The message displays:

```
Stop Background Monitor. Confirm (<y>/n)?
```

2. Press:
 - y to stop the Background Monitor.
 - n to return to the Main Menu without stopping the Background Monitor.

Displaying the Background Monitor Status

The Wake-up Date and Wake-up Time parameters can be modified when the Background Monitor Status is displayed.

Several fields display in the Background Monitor Status screen. The number of fields that display depend on the status of the Background Monitor.

► **To display the Background Monitor Status:**

- Select option 3. Background Monitor Status from the Main Menu.

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log file
8. Exit

-----

Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

A Background Monitor Status screen displays:

```
----- Background Monitor Status -----
| Status:                Stopped
| Last Started by:      2 ro rr
| Last Started on:      11/10/98
| Last Started at:      09:55AM
| Stopped by:           2 ro rr
| Stopped on:           11/10/98
| Stopped at:           09:55AM
```

► **To exit the Background Monitor Status screen:**

- Press Esc to exit the Background Monitor Status screen and return to the Main Menu without making any changes.

To modify these options see *Modifying the Wake-up Time and Date* on page 17.

The following table lists the Background Monitor status fields, including the parameter, editable fields, the default values and how it is generated.

Parameter	Editable Field	Default Value and How it is Determined
Status	No	Depends on the Background Monitor. Possible statuses include: 1. Running—Background Monitor is actively checking the files specified in "Background Monitor Options." 2. Sleeping—Background Monitor is running but inactive, waiting until the time specified in Background Monitor Options to wake-up and check files. 3. Stopped—Background Monitor is disabled. 4. Start Requested—Background Monitor is in the process of being started. 5. Stop Requested—Background Monitor is in the process of being stopped.
Running on PIB	No	PIB number on which the background Monitor is running.
Wake-up Date	Yes	Date that the Background Monitor is scheduled to wake-up and check files.

Parameter	Editable Field	Default Value and How it is Determined
Wake-up Time	Yes	Time that the Background Monitor is scheduled to wake-up.
Started By	No	Last user who started the Background Monitor.
Started On	No	Date on which the Background Monitor was last started.
Started At	No	Time at which the Background Monitor was last started.

Modifying the Wake-up Time and Date

On the Background Monitor Status screen, only the Wake-up Date and the Wake-up Time can be adjusted.

NOTE—The Wake-up Time and Date can only be modified while the Background Monitor is running.

► To modify the Wake-up Time and Date:

1. Select option 3. Background Monitor Status from the Main Menu.

```

----- Background Monitor Status -----
| Status:                Stopped
| Last Started by:      2 ro rr
| Last Started on:      11/10/98
| Last Started at:      09:55AM
| Stopped by:           2 ro rr
| Stopped on:           11/10/98
| Stopped at:           09:55AM
-----

```

2. Select the Wake-up Date field.
3. Change the date.

The date may be entered in the form *MM/DD/YY* or *DD/MM/YY* (depending on the international date setting) where *MM* is the month, *DD* is the day, *YY* is the year, and you must type the slash (/).

- Press Enter to move to the next field.

4. Select the Wake-up Time field.
5. Change the Wake-up Time.

The time must be entered in the form *HH:MM* where *HH* is the hour, *MM* is the minutes, and you must type the colon (:). Enter either military or standard time. However, AM or PM must be specified for standard time.

The screen displays:

```
Make these changes to the schedule (<y>/n)?
```

6. Press:
 - a. `y` to save any changes and return to the Main Menu.
 - b. `n` to return to the Main Menu without saving the changes.

Modifying Background Monitor Options

Set the Background Monitor Options to determine:

- How often the files are checked.
- The Wake-up Time.
- Which files are monitored.
- The Maximum Fill Ratio.
- The default action that is taken when the Maximum Fill Ratio is reached.

► To access the Background Monitor Options screen

- Select 4. Background Monitor Options, from the Main Menu.

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log file
8. Exit

-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

The Background Monitor Options screen displays:

```
----- Background Monitor Options -----
|
| Check Files:           Weekly
| Day of Month:
| Day of Week:          Sunday
| Wake-up Time:         01:27PM
| Monitor:              All files on system
| Default Max. Fill:    125
| Default Action:       Write entry in log file
|
```

The following table lists the Background Monitor options, how the values are generated, and if the field can be edited.

Parameter	Editable Field	Explanation and Default Value/First Choice Value
Check Files	Yes	Specifies how often the Background Monitor should wake-up and check the files. The first choice value is <i>Daily</i> . Options include: <ul style="list-style-type: none">• Daily• Weekly• Monthly
Day of Month	Yes	The day of the month the Background Monitor checks files can be set when <i>Monthly</i> is selected at the Check Files field. The default value is 5.
Day of Week	Yes	The day of the week the Background Monitor checks the files can be set when <i>Weekly</i> is selected at the Check Files field. The default value is <i>Saturday</i> .
Wake-up Time	Yes	Defines what time of day the Background Monitor is scheduled to wake-up and check files. The first choice time can be changed. The first choice value is 6 : 00 PM.

Parameter	Editable Field	Explanation and Default Value/First Choice Value
Monitor	Yes	Displays the list of files to monitor. This value can be set to either All Files on System, or List of Selected Files. The first choice value is All Files on System.
Default Max. Fill	Yes	Displays the maximum ratio allowed before the Background Monitor considers the file to be undersized. The Maximum Fill Ratio is the extent to which the allocated space for a file is filled. The default value is 125.
Default Action	Yes	Displays the action to take when a file becomes undersized. The default value is Write Entry in Log File.

NOTE— First choice values are not defaults. They are values placed in the field by the D³ File Sizer Utility when the Background Monitor Options screen is first accessed.

► To modify the Background Monitor options:

1. Select option 4. Background Monitor Options from the Main Menu.

```
D3 FILE SIZER v2.2
-----
Main Menu -----
1. Start
2. Stop
3. Backg
4. Backg
5. View
6. Displ
7. Clear
8. Exit
-----
Background Monitor Options -----
Check Files:      Weekly
Day of Month:
Day of Week:      Sunday
Wake-up Time:    01:27PM
Monitor:          All files on system
Default Max. Fill: 125
Default Action:   Write entry in log file
-----
Day of Week on which to run the Background Monitor
Use <TAB> to view choices
-----
Press <Enter> to advance to the next field,
Use Ctrl-B to move up, Ctrl-X to cancel value, <ESC> to exit this screen:
```

2. Press Enter to move to the desired field.
3. Press Tab to display options.
4. Select and make changes to options you want to modify.
5. Do one of the following:
 - Press Enter to move to the next field
 - Press Esc at any field to exit the Background Monitor Options screen.

Starting the D³ File Sizer Utility

The D³ File Sizer Utility is automatically installed with any of the D³ Server products and is accessed from the TCL prompt.

► **To start the D³ File Sizer Utility:**

1. Log on to the dm account.
2. Run the D³ File Sizer Utility. At the TCL prompt, enter:

file-sizer

The Main Menu displays:

```

D3 FILE SIZER v2.2
----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log file
8. Exit
-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
    
```

Use the navigation commands listed on the bottom of the Main Menu to move within the screen. If the Arrow and Esc keys do not work on your terminal emulator, as an alternative, use these:

Alternative Command	Used for
Ctrl+B	Move up a field
Ctrl+N or Enter	Move down a field
Ctrl+X	Return to the Main Menu

Viewing File Information

The `View File Information` option allows you to view lists of files, and information about individual files.

Overview

The file information is viewed using option 5. View File Information from the Main Menu. There are four different methods to view file information:

- Displaying all files.
- Displaying selected files.
- Displaying only undersized files.
- Displaying all files being monitored.

When a display option is selected, the appropriate files for that option display in the File Statistics Generated screen.

Add, clear, resize, perform searches, list the characteristics of the displayed files, change the Maximum Fill Ratio, or change the action that is taken when that ratio is met using the commands below the File Statistics Generated screen, to edit the list of files.

D3 FILE SIZER v2.2					Page 1 of 12	
Account	File	Bytes	Mod	Action	Max. Fill	Curr Fill
dm	md	-	67	log only	125%	-
dm	DICT abs	-	1	log only	125%	-
dm	abs	-	1303	log only	125%	-
dm	abs,dbsym	-	307	log only	125%	-
dm	DICT accounts	-	1	log only	125%	-
dm	accounts	-	27	log only	125%	-
dm	DICT backgrounds	-	3	log only	125%	-
dm	backgrounds	-	23	log only	125%	-
dm	DICT backgrounds.outpu	-	1	log only	125%	-
dm	backgrounds.output	-	101	log only	125%	-
dm	DICT backgrounds.repor	-	1	log only	125%	-
dm	backgrounds.report	-	11	log only	125%	-
dm	DICT block-convert	-	1	log only	125%	-
dm	block-convert	-	11	log only	125%	-
dm	DICT bp	-	13	log only	125%	-

Press <TAB> to view detail, <ESC> to exit
 Ctrl-D = page up, Ctrl-F = page down, Ctrl-T = top, Ctrl-Z = bottom
 A)dd to list, C)lear list, R)resize, S)earch: FILES: all

The following table defines the fields in the File Statistics Generated screen.

Parameter	Editable field	Explanation of Parameter
Account	No	Account where monitored file resides.
Filename	No	Dict name of monitored file.
Dataname	No	Data name of monitored file.
Last Saved	No	Date on which file was last saved.
Bytes	No	Number of bytes in the file.
Suggested Modulo	No	Recommended modulo for the file, based on the Maximum Fill Ratio specified.
Current Modulo	No	Current modulo of the file.
Cur. Fill Ratio	No	Current fill ratio of the file.
Max. Fill Ratio	Yes	Ratio of file which is considered undersized (List of Selected Files only).
Action	Yes	Action to take if file becomes undersized (List of Selected Files only).

Displaying All Files

The File Statistics Generated screen displays every file stored in the system, despite the status, when `Display All Files` is selected.

► To display all files

1. Select option 5. `View File Information` from the Main Menu.

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log
8. Exit

----- File Information -----
1. Display All files
2. Display List of Selected Files
3. Display Undersized Files
4. Display Files Being Monitored

-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```


Displaying Selected Files

Only files previously selected by the user display. See *Adding a File to the List of Selected Files* on page 39.

While displaying a list of selected files, you can:

- List the characteristics of the selected files.
- Change the Maximum Fill Ratio.
- Change the action that is taken when the Maximum Fill Ratio is met.

► To display selected files

1. Select option 5. View File Information from the Main Menu.

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log
8. Exit

----- File Information -----
1. Display All files
2. Display List of Selected Files
3. Display Undersized Files
4. Display Files Being Monitored

-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

2. Select option 2. Display List of Selected Files from the File Information Menu.

The File Statistics Generated screen displays:

D3 FILE SIZER v2.2						Page 1 of 12	
Account	File	Bytes	Mod	Action	Max. Fill	Curr Fill	
dm	md	-	67	log only	125%	-	
dm	DICT abs	-	1	log only	125%	-	
dm	abs	-	1303	log only	125%	-	
dm	abs,dbsym	-	307	log only	125%	-	
dm	DICT accounts	-	1	log only	125%	-	
dm	accounts	-	27	log only	125%	-	
dm	DICT backgrounds	-	3	log only	125%	-	
dm	backgrounds	-	23	log only	125%	-	
dm	DICT backgrounds.outpu	-	1	log only	125%	-	
dm	backgrounds.output	-	101	log only	125%	-	
dm	DICT backgrounds.repor	-	1	log only	125%	-	
dm	backgrounds.report	-	11	log only	125%	-	
dm	DICT block-convert	-	1	log only	125%	-	
dm	block-convert	-	11	log only	125%	-	
dm	DICT bp	-	13	log only	125%	-	

Press <TAB> to view detail, <ESC> to exit
 Ctrl-D = page up, Ctrl-F = page down, Ctrl-T = top, Ctrl-Z = bottom
 A)dd to list, C)lear list, R)esize, S)earch: FILES: all

See *Adding a File to the List of Selected Files* on page 39 for information on how to create a Selected File list.

Displaying Undersized Files

Only files that have not reached the designated Maximum Fill Ratio are displayed.

► **To display undersized files**

1. Select option 5. View File Information from the Main Menu.

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log
8. Exit

----- File Information -----
1. Display All files
2. Display List of Selected Files
3. Display Undersized Files
4. Display Files Being Monitored

-----

Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

2. Select option 3. Display Undersized Files from the File Information Menu.

The Select Account screen displays:

```

----- Select Account -----
ALL FILES IN SYSTEM
dm
mds
spooler
sql
sqldemo
  
```

- NOTE—**
- The Select Account screen displays only once after a file-save is performed.
 - Anytime after the first file-save is performed, to modify the account, the File Statistics Generated screen for undersized files must be cleared. For details on clearing the list, see *Clearing the List of Selected Files* on page 40.

3. Select the account that contains the undersized files you want to view in the Select Account screen, then press Enter.

A list of files contained in the selected account displays:

```

File statistics generated: 01/08/01                               Page 1 of 16
  
```

Account	File	Bytes	Mod	Action	Max. Fill	Curr Fill
accesstest	md	77K	47	log only	125%	77%
accesstest	DICT et-proclib	630	11	log only	125%	-
accesstest	et-proclib	63K	1	log only	125%	1483% +
accesstest	DICT inu	5K	11	log only	125%	20%
accesstest	inu	3K	1	log only	125%	151% +
accesstest	DICT po	2K	11	log only	125%	5%
accesstest	po	676	1	log only	125%	33%
dm	md	139K	67	log only	125%	73%
dm	DICT abs	1K	1	log only	125%	17%
dm	abs	2M	1303	log only	125%	70%
dm	abs,dbsym	-	307	log only	125%	-
dm	DICT accounts	2K	1	log only	125%	49%
dm	accounts	-	27	log only	125%	-
dm	DICT backgrounds	3K	3	log only	125%	35%
dm	backgrounds	-	23	log only	125%	-

```

Press <TAB> to view detail, <ESC> to exit                               FILES: all
Ctrl-D = page up, Ctrl-F = page down, Ctrl-T = top, Ctrl-Z = bottom
Add to list, C)lear list, R)esize, S)earch:
  
```

Displaying Monitored Files

All of the files being tracked by the Background Monitor are presented in a list when the `Display Files Being Monitored` option is selected.

NOTE— If the Background Monitor is stopped, this option continues to list the files that are currently set to be monitored.

► To display monitored files

1. Select option 5. `View File Information` from the Main Menu, then press `Enter`.

```
D3 FILE SIZER v2.2

----- Main Menu -----
1. Start Background Monitor
2. Stop Background Monitor
3. Background Monitor Status
4. Background Monitor Options
5. View file information
6. Display log file
7. Clear log
8. Exit

----- File Information -----
1. Display All files
2. Display List of Selected Files
3. Display Undersized Files
4. Display Files Being Monitored

-----
Use the arrow keys to scroll,
Press <Enter> to select the value, or <ESC> to quit:
```

2. Select option 4. Display Files Being Monitored from the File Information Menu, then press Enter.

```

D3 FILE SIZER v2.2                                     Page 1 of 12

```

Account	File	Bytes	Mod	Action	Max. Fill	Curr Fill
dm	md	-	67	log only	125%	-
dm	DICT abs	-	1	log only	125%	-
dm	abs	-	1383	log only	125%	-
dm	abs,dbsym	-	387	log only	125%	-
dm	DICT accounts	-	1	log only	125%	-
dm	accounts	-	27	log only	125%	-
dm	DICT backgrounds	-	3	log only	125%	-
dm	backgrounds	-	23	log only	125%	-
dm	DICT backgrounds.outpu	-	1	log only	125%	-
dm	backgrounds.output	-	181	log only	125%	-
dm	DICT backgrounds.repor	-	1	log only	125%	-
dm	backgrounds.report	-	11	log only	125%	-
dm	DICT block-convert	-	1	log only	125%	-
dm	block-convert	-	11	log only	125%	-
dm	DICT bp	-	13	log only	125%	-

```

Press <TAB> to view detail, <ESC> to exit
Ctrl-D = page up, Ctrl-F = page down, Ctrl-T = top, Ctrl-Z = bottom
A)dd to list, C)lear list, R)esize, S)earch:

```

Modifying Individual File Entries

The following section explains procedures to change the contents of the File Statistics Generated screen.

Adding a File to the List of Selected Files

Files can be added to the list of selected files from the File Statistics Generated screen.

► **To add a file to the List of Selected Files:**

1. Select the file to add from the complete file list, then press A.

A message displays at the bottom of the screen:

```
Add this entry to the list of selected files
(<y>/n)?
```

2. Press:

- y to add the entry to the list of selected files.

A message displays at the bottom of the screen:

```
Entry added. Press <Enter>:
```

Press Enter to return to the Information screen.

- n to return to the Information screen without adding the file.

Clearing the List of Selected Files

► **To clear the list of all selected files:**

1. Press C from the File Statistics Generated screen.

A message displays at the bottom of the screen:

```
Clear list (y/<n>)?
```

2. Press:
 - y to clear the list of all entries.
Press Esc, then Enter to return to the previous screen.
 - n to return to the File Statistics Generated screen without clearing the list of all entries.

Resizing an Individual File

To determine which files to resize, compare the Current Fill and Maximum Fill columns for each file. When the Current Fill exceeds the Maximum Fill, resize the file.

- NOTE—
- Files in the FSI:dm cannot be resized. Attempting to resize a file in the FSI:dm results in a `This file cannot be resized` message.
 - Oversized files cannot be resized using the D³ File Sizer Utility.

► To resize a file:

Use the commands at the bottom of the File Statistics Generated screen.

```
File statistics generated: 01/08/01 Page 1 of 1
```

Account	File	Bytes	Mod	Action	Max. Fill	Curr Fill
accessstest	et-proclib	63K	1		100%	1483%
accessstest	inu	3K	1		100%	151%
lhacct	lh.tps.done	49K	7		100%	248%
lhacct	tps.src.temp	2K	1		100%	110%
shared	md	69K	17		100%	198%

```
-----
Press <TAB> to view detail, <ESC> to exit      FILES: Undersized (All)
Ctrl-D = page up, Ctrl-F = page down, Ctrl-T = top, Ctrl-Z = bottom
A>dd to list, C>lear list, R>esize, S>earch:
```

1. Select the file to resize in the File Statistics Generated screen, then press R.

The message displays:

```
Resize file 'file.name' from A to B (y/n)?
```

The *file.name* represents the name of the file to be resized, *A* represents the old file size, and *B* represents the new file size.

Press:

- n to return to the File Statistics Generated screen.
- y to resize the file.

The message displays:

```
Do you want to use a phantom process to
resize this file (<y>/n)?
```

2. Do one of the following:

- Press y to use a phantom process. Using a phantom process enables you to continue working in the D³ File Sizer Utility while the file is being resized.

The message displays:

```
Phantom process spawned. Press <Enter>:
```

Press Enter to return to the File Statistics Generated screen and continue working while the file is resized.

- Press n to resize the file without using a phantom process. If you opt not to use a phantom process, you must wait for your file to be resized before continuing to use the D³ File Sizer Utility.

NOTE—

- The system displays ** until the resize is complete.
- Files can only be optimized by File Sizer after a file-save because the File Sizer Utility uses the file-of-files which contains statistical information for each file on the system, and is only updated by performing a file-save or an account-save (s.

3. Perform a file-save using the (s option to update statistics.

Searching the List for a Specific Character String

Use the D³ File Sizer Utility to search for a specific character string in a filename, within a file list.

Searching for a specific character string is useful for navigating through an extensive list of files.

NOTE— Searching for a specific character string does not generate a new list, but takes you to the first occurrence in the file list of the character string entered.

► **To search a list for a specific character string:**

From the File Statistics Generated screen:

1. Press S.

Enter Search String:

2. Enter a search string, then press Enter.

The D³ File Sizer locates the next occurrence of the string you specified.

Using the Log File

All of the files that were found to be undersized by the Background Monitor, based on the Maximum Fill Ratio specified, are displayed in the log file.

Displaying the Log File

The log file provides the:

- Date and time that the files were found.
- Filepath.
- Old modulo.
- New/suggested modulo.
- Action taken.
- User and PIB that started the Background Monitor.

► **To display the Log File:**

1. Select option 6. `Display Log File` from the Main Menu, then press Enter.

The message displays:

```
Send Log to (T)erminal, (P)rinter, or  
(C)ancel
```

2. Enter one of the following:
 - `t` to display the log file on screen.
When finished viewing the log file, press Enter to return to the Main Menu.
 - `p` to send the log file as a print job to the printer which is currently set through `sp-assign`.
After the print job is sent, the utility returns to the Main Menu.
 - `c` to cancel and return to the Main Menu without displaying the log file.

NOTE— A null value defaults output to the terminal.

Clearing the Log File

Clear the log file to keep it at a manageable size.

► **To clear the Log File:**

1. Select option 7. Clear Log File from the Main Menu.

The message displays:

```
Clear log file (y/<n>)?
```

2. Do one of the following:

- Enter y to clear the log file.

The message displays:

```
Monitor log cleared. Press <Enter>:
```

Press Enter to return to the Main Menu.

- Enter n to return to the Main Menu without clearing the log file.

D³ File Sizer Utility Commands

If you are already familiar with the D³ File Sizer Utility, use this table as a quick reference.

The table below lists the commands and their functions:

Command	Function
Tab	Display the details of the selected file.
Esc	Exit the Information screen.
Ctrl+D	Display the previous page of the list.
Ctrl+F	Display the next page of the list.
Ctrl+N	Move down one line.
Ctrl+Z	Display the last page of the list.
Ctrl+T	Display the first page of the list.
Ctrl+X	<ul style="list-style-type: none">• Exit to the Main Menu from the File Statistics Generated Screen.• Deletes the current field in the Background Monitor Options screen.
A	Add a file to the List of Selected Files.
C	Clear the list of all entries (available for List of Selected Files only).
D	Delete the selected file from the list (available for List of Selected Files only).
R	Resize the file. If the file needs to be resized, type the new size of the file. If the file does not need to be resized, a message indicating that the file is appropriately sized displays.
S	Search the list for the first appearance of a specified character string that you specify.

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D³ File Sizer Utility User's Guide

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