


Contents for Delta Help

 Delta is a tool that profiles one or more directories. Profiles can be saved and compared. Files can be identified that have been added, deleted, or modified during the course of a change to your system's hard drive. In addition specified files can be probed to view any changes to their contents. A typical application would be to use Delta to identify changes to your: hard drive, AUTOEXEC.BAT file, WIN.INI file, etc. caused by some installation programs.

How to

Customize Delta through the DELTA.INI file

Use Delta for a typical application

Select files to probe

Select and remove disks/directories to profile

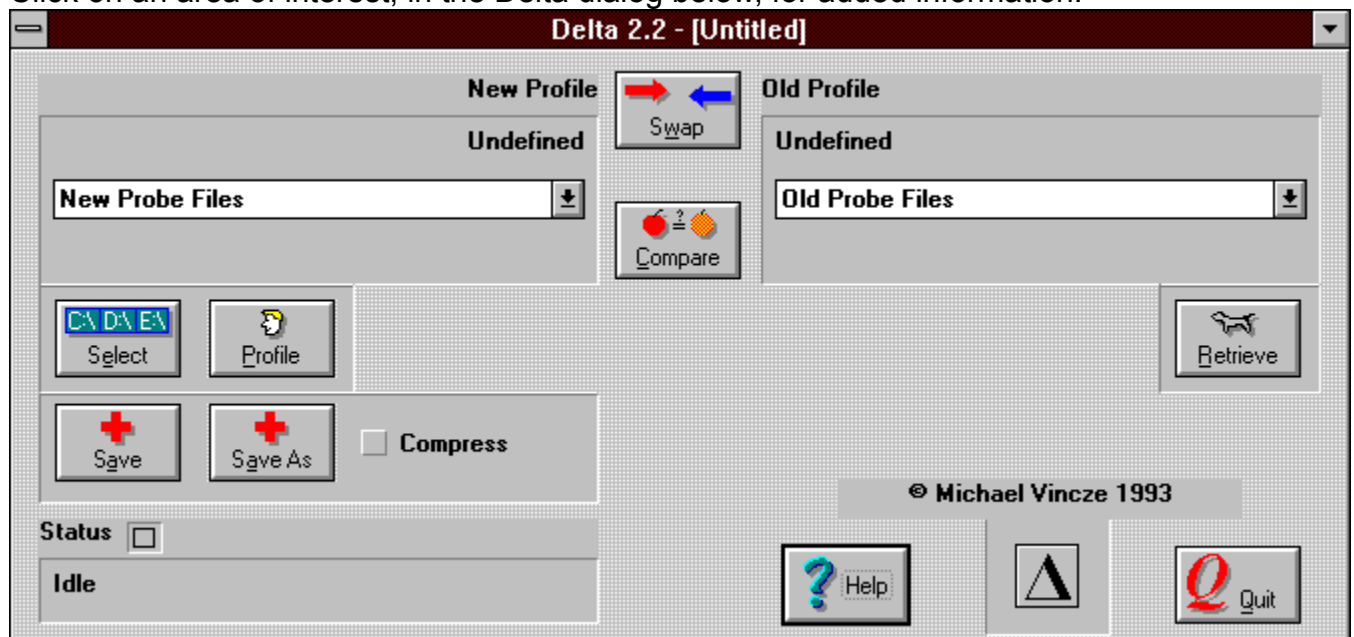
Compare two previously saved profiles

Report on the contents of an entire disk.

Use the LZMAV.DLL compression library in your own applications

Commands

Click on an area of interest, in the Delta dialog below, for added information:



Ordering Information

Ordering Information

How to customize Delta through the DELTA.INI file

The DELTA.INI file may be edited to customize some of Delta's functions, and to select files to be probed. The DELTA.INI file should be in the same directory that DELTA.EXE resides in. Below are the sections and their keys that can be modified. The default values will be obtained if the key or section is missing:

Note: <i>DELTA.INI must be modified before Delta is ran.</i>

```
[Delta]
ReportFile      Filename of report file (default is *.txt)
SaveAsFile      Filename of new profile to be saved (default is *.dlt)
TextEditor      Program to view report file with (default is notepad)

[Probe List]
File1           List of files to be probed.
.              You are allowed up to 20 files to probe.
.
File20=c:\config.sys
```

A typical DELTA.INI file:


```
[Delta]
ReportFile = c:\tmp\*.txt
SaveAsFile = c:\tmp\*.dlt
TextEditor = notepad


[Probe List]
File1=c:\autoexec.bat
File2=c:\config.sys
File3=c:\windows\progman.ini
File4=c:\windows\win.ini
File5=c:\windows\system.ini
File6=c:\windows\control.ini
```


How to use Delta for a typical application


A typical application would involve profiling a disk or directory to where you wish to install software. Normally the software's installation procedure, such as Windows software, would install files in more than one directory and modify certain files, such as AUTOEXEC.BAT and WIN.INI. You would run Delta once before installing the software, and once after you have installed the software to see which files were added, modified, or deleted. You might also want to run Delta after you run the installed file, as some programs will add additional files after they are ran. Below is a typical procedure for software that is installed on the C: drive:


1. Ensure that the DELTA.INI file contains the list of files you want to probe.
2. Run Delta.

3. Click on . This will bring up the select profile dialog and allow you to select which directory or directories to profile.
4. Under the Directory list select the '[C]' drive. Note that the present directory will be displayed above the Directory list. If you want the entire directory profiled, keep clicking on '[..]' as necessary until the present directory shows 'C:\'.

5. Click on . This will add the directory to the Selected Profiles list.

6. Click on . This will accept the Selected Profiles list and exit the select profile dialog.

7. Click on . This will perform the profiling.


8. Click on . This will save the current profile.


The file name should be distinctive. For example if you are installing Microsoft Word for Windows you might want to use the name WordPre.dlt. After you install Word for Windows you can profile the C: drive again and save it with the name wordpost.dlt.

Note: Select the Compress check box before saving if you want the file to be compressed.

9. Run the installation software.
10. Go back to Delta and repeat steps 3 through 7. This will perform the same profile as earlier but the disk will now also contain your installed software.

It is recommended that you also save the new profile.

11. Click on , enter the file name you entered in step 8. This will retrieve the old profile you had before you ran the installation procedure.

12. Click on . This will compare the old profile against the new profile. This will also prompt you for a file name for the report file. The report file will be automatically viewed per the TextEditor key in the DELTA.INI file.

How select files to probe


Probe files are selected by modifying the DELTA.INI file's [Probe List] section. Below is the syntax:


[Probe List]

FileN = Filename ; where N = 1 to 20.


Note: *DELTA.INI must be modified before Delta is ran.*


How to select and remove disks/directories to profile


Click on . This will bring up the select profile dialog and allow you to select which directory or directories to profile.

Each directory you wish to profile must be selected one at a time by navigating through the Directory list and then clicking on . Each directory you add will show up in the Selected Profiles list.

Note: *In order to select an entire drive, you must select the drive and keep clicking on '[.]' (in the Directory list) until you get the drive letter followed by ':\' (i.e.: 'C:\').*




If you added a directory which you wish to remove, then select it by clicking on it (in the Selected Profiles list) and click on .

When you are done click on .


If you hit  then none of your changes will take effect.


How to compare two previously saved profiles

To compare two previously saved profiles:

1. Click on  and enter the file name of the first profile. Delta will consider this as the old profile.
2. Click on . Delta will now consider the first profile retrieved as the new profile.
3. Click on  and enter the file name of the second profile. Delta will now consider this as the old profile.







Note: The old profile should contain the profile you ran before the new profile.

If this is not the case, then simply click on  again.

4. Click on . This will compare the old profile against the new profile. This will also prompt you for a file name for the report file. The report file will be automatically viewed per the TextEditor key in the DELTA.INI file.

How to report the contents of an entire disk

With Delta it is also possible to list the entire contents of a disk:

1. Click on  and remove all selected directories.
2. Click on .
3. Click on .
4. Click on  and select the desired drives.
5. Click on .
4. Click on  and enter a filename.

Note: *Because of Delta's nature, all files will be indicated as being added.*

How to use the LZMAV.DLL compression library in your own applications

In order to use the LZMAV.DLL compression library, create the following Pascal for Windows unit:

```
unit LZmavDLL;  
  
interface  
  
function LZmavEncode (InFileName, OutFileName: PChar): Word;  
function LZmavDecode (InFileName, OutFileName: PChar): Word;  
  
implementation  
  
function LZmavEncode; external 'LZmavDll' index 1;  
function LZmavDecode; external 'LZmavDll' index 2;  
  
end.
```

Then in your program file add the LZmavDLL Unit to your Uses clause.

LZmavEncode compresses InFileName to OutFileName, while LZmavDecode decompresses InFileName to OutFileName. For both functions, the returned value is equivalent to Turbo Pascal's ObjectWindows TStream.Error stxxxx values.

If you register Delta 2.2, you may distribute LZMAV.DLL without royalty, provided credit is given to the author (Michael Vincze.)

Compare Command



is used to compare two profiles. A filename is also prompted for that will contain the results of the comparison.

Note: *You must have an old and new profile before you can do a comparison.*

Help Command



is used to invoke help.

Profile Command



is used to profile and probe the selected directories and files.

Quit Command



is used to quit Delta.

Retrieve Command



is used to retrieve a previously saved profile. The filename you enter will be considered the old profile.

Note: *You do not have to worry about checking or unchecking the Compress check box as Delta will automatically determine if the saved profile has been compressed or not.*

Save and Save As Commands



and



are used to save the new profile you have just created. If you choose 'Save', then the profile will be saved under the same name that appears in the title bar. If you choose 'Save As', then the title bar will be changed to the saved filename.

Note: *Select the Compress check box before saving if you want the file to be compressed.*

Select Command



is used to define which directories are to be profiled. See how to select and remove disk/directories to profile on how to use this command.

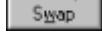
Swap Command




is used to swap the new profile with the old profile.

Normally the old profile would contain the profile you ran before the new profile. If this



is not the case then  can be used to swap them out. For an application see [how to compare two previously saved profiles](#).

Note: Be careful when using the  command in conjunction with the



or



commands, since the new profile will always be the one that's saved.

Ordering Information

△ Delta is **not** distributed via the public domain or freeware systems. Delta is distributed using the shareware system.

Delta may be used freely for evaluation purposes for up to two weeks. If you decide to keep the software after the evaluation period please send \$7.00 to the author for registration.

Please send inquiries, comments, or fees to:

Michael Vincze
c/o Delta 2.2
5229 Wood Creek Lane
Garland, TX 75044-4915
mav@asd470.dseg.ti.com
(214) 414-5175
(214) 575-2723

Registration of the software gives rise to a license to continue use of Delta for execution. No other rights, including the right to alter, de-compile, disassemble, or otherwise decode the software's machine language representation are given nor may be assumed to exist.

The license is granted on a per user basis. This includes the right to install and use the software on one or more computers so long as the total number of users does not exceed the license quantity.

Permission is hereby granted for any SysOp or other person in charge of maintaining on-line services to offer a copy of Delta for downloading, as long as no charge other than normal charges for system access are made, and as long as the originally distributed files are kept together and offered in unmodified form.

Delta is distributed as is, with no warranty regarding its usefulness or fitness for any particular purpose. While care has been taken to produce software which is problem free, the author assumes no responsibility or liability for any failure of this software, or any problems, or damage ensuing thereby. Any use of the software is construed as acceptance of this disclaimer of liability.

Michael Vincze

A genuinely nice guy who wrote Delta.

Delta

The fourth letter in the Greek alphabet. It denotes a finite increment in a variable.

Profile

Information on directories. The information consists of all files in the directories, their time stamps, and sizes. In addition a profile may contain the contents of individual files (called probe files.)

Probe files

Files whose contents are saved and checked for changes. Probe files can be any text file such as: AUTOEXEC.BAT, and CONFIG.SYS, or Windows initialization files such as: WIN.INI, and SYSTEM.INI.

Freeware

Software that may be freely distributed and used.

Delta is **not** freeware!

Public domain software

Software that may be freely distributed and used.

Delta is **not** in the public domain!

Shareware

Software that may be freely distributed and evaluated.

Shareware gives users a chance to try software before buying it. If you try a shareware program and continue using it, you are expected to buy it (normally called registration).

Delta **is** distributed under the shareware system.

Title Bar

Located along the top of a window. It contains the name of the application and new profile.

System Menu

Located along the top of a window left of the title bar It contains commands that allow you to manipulate the window or switch to other tasks.

Iconify Button

Located along the top of a window right of the title bar When clicked, this button will iconify the application.

New Profile Name

Defines the name of the new profile. This is either a file name of a saved profile or a set of directory names to profile.

Old Profile Name

Defines the name of the old profile. This is either a file name of a retrieved profile or a set of directory names to profile.

New Probe List

List of new probe files. This list is initially empty until a profile is performed.

Old Probe List

List of old probe files. This list is initially empty until a profile is retrieved.

Status LED

Shows the status of the program. The LED flashes yellow when Delta is busy or waiting for input.

Status line

Shows the status of the program. If Delta has finished a process it displays: 'Idle'. If Delta is busy then it will display pertinent process information.

Compare

Compares two profiles. A filename is also prompted for that will contain the results of the comparison.

Note: *You must have an old and new profile before you can do a comparison.*

Compress

Selects option to compress a file you are saving

.

Help

Invokes help.

Profile

Profiles and probes the selected directories and files

.

Quit

Quits Delta.

Retrieve

Retrieves a previously saved profile. The filename you enter will be considered the old profile.

Save and Save As

Saves the new profile you have just created. If you choose 'Save', then the profile will be saved under the same name that appears in the title bar. If you choose 'Save As', then the title bar will be changed to the saved filename. If Compress is checked, then the profile will be compressed upon saving.


Select


Defines which directories are to be profiled. See [how to select and remove disk/directories to profile](#).

Swap

Swaps the new profile with the old profile.

Normally the old profile would contain the profile you ran before the new profile. If this is not the case

then  can be used to swap them. For an application see [how to compare two previously saved profiles](#).

Note: Be careful when using the  command in conjunction with the



or



commands, since the new profile will always be the one that's saved.

stxxxx constants

Constant values used by the ObjectWindows streams and the LZmavDLL units.

The following values are returned by TStream.Error, LZmavEncode, and LZmavDecode when a stream error occurs:

Error code	Value	Meaning
stOk	0	No error
stError	-1	Access error
stInitError	-2	Cannot initialize stream
stReadError	-3	Read beyond end of stream
stWriteError	-4	Cannot expand stream
stGetError	-5	Get of unregistered object type
stPutError	-6	Put of unregistered object type

