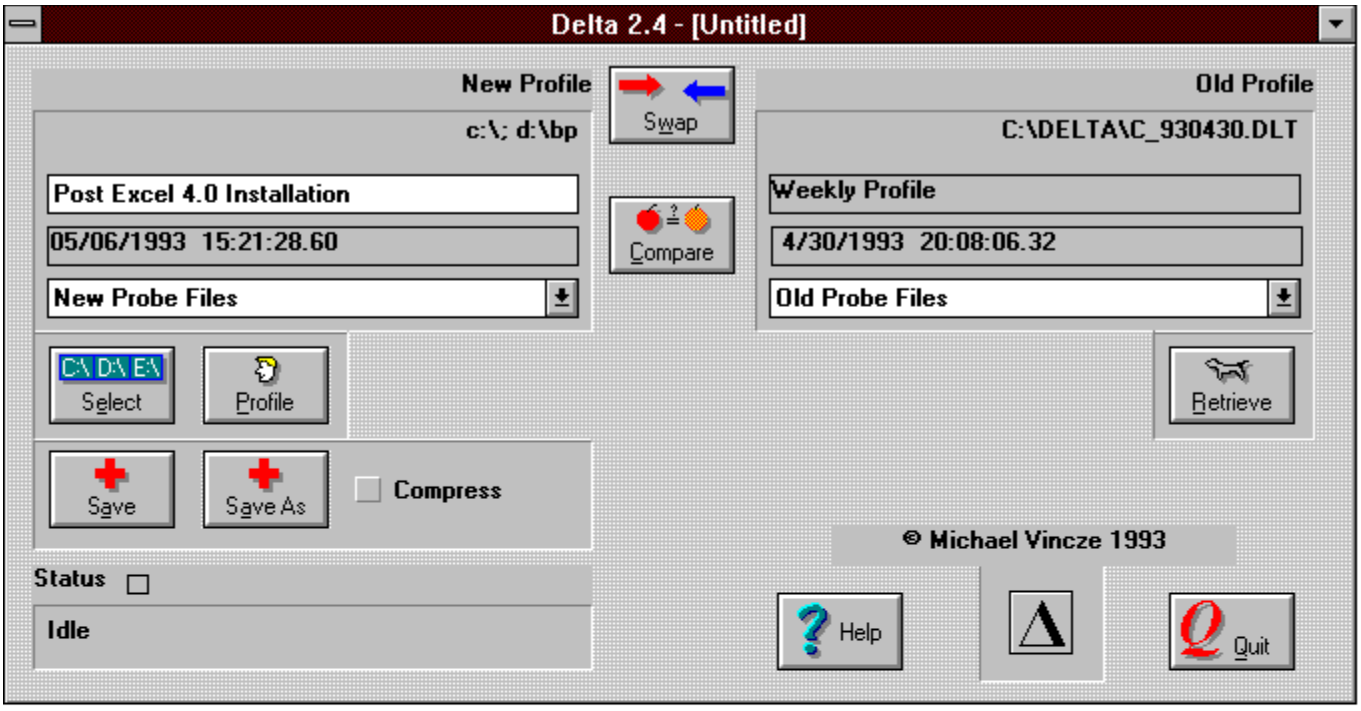
Contents for Delta Help

Δ 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 or network system. 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...

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, select directories to be profiled, and 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 keywords that can be modified. The default values will be obtained if the keywords or section is missing:

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

[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).
Compress	Mode to save file in (default is 0). 0 = No compression, 1 = compression
[Profile List]	List of directories to be profiled.
DirectoryN	N is any integer starting at 1.
[Probe List]	List of files to be probed.
FileN	N is any integer from 1 to 20.

A typical DELTA.INI file:

```
[Delta]
ReportFile = c:tmp\*.txt
SaveAsFile = c:\tmp\*.dlt
TextEditor = notepad
Compress = 0

[Profile List]
Directory1=c:\
Directory2=d:\winprogs

[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. At this point if you would like, add a comment in the comment field.

9. Click on 

. This will save the current profile.

The filename 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.*

10. Run the installation software.

11. Go back to Delta and repeat steps 3 through 8. 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.

12. Click on 

, enter the filename you entered in step 9. This will retrieve the old profile you had before you ran the installation procedure.

13. Click on 

. This will compare the old profile against the new profile. This will also prompt you for a filename for the report file. The report file will be automatically viewed per the TextEditor keyword in the DELTA.INI file.

How to 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.*

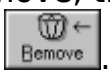
How to select and remove disks/directories to profile

Click on 

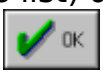
. This will bring up the select profile dialog and allow you to select which directory or directories to profile.
Each directory you wish to profile must be selected one at a time by navigating through the Directory list and then clicking on 

. 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.

> ***Note:*** *Alternatively you could specify the directories to be profiled in the DELTA.INI file. This would also be the method to use when Delta is ran automatically with the -a option.*

How to compare two previously saved profiles

To compare two previously saved profiles:

1. Click on 

and enter the filename 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 filename 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 use the command line options

Usage: delta <filename> | -a

where: <filename> is the filename of a previously saved profile.

-a indicates to automatically run Delta and save the new profile.

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. Subsequent runs on the same date will yield *c:\delta\930507a.dlt ... c:\delta\930507z.dlt*. Up to 28 automatic runs can be handled for any given date. If you want to run Delta with the -a option from the *Program Manager then modify the command line field for the program item properties to include the -a option. For example c:\delta\delta.exe -a{vfld7598243412724967799}. Please see the Program Manager help on how to change properties.{vfld8103418733129200226}*
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*drive or network system. 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.qï¯šÒëìa 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 Use the command line options Report on the contents of an entire disk Use the LZMAV.DLL compression library in your own applications ±ï¯šÒëìe Delta through the DELTA.INI fileThe DELTA.INI file may be edited to customize some of Delta's functions, select directories to be profiled, and 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 keywords that can be modified. The default values will be obtained if the keywords or section is missing:1ï¯šÒëìlename of report file (default is *.txt).SaveAsFileFilename of new profile to be saved (default is *.dlt).TextEditorProgram to view report file with (default is notepad).CompressMode to save file in (default is 0).0 = No compression, 1 = compressionqª€€˜€âÝ*·‰‚€ €€*

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±ï¯šÒëìxec.batFile2=c:\config.sysFile3=c:\windows\progman.iniFile4=c:\windows\win.iniFile5=c:\windows\system.iniFile6=c:\windows\control.iniÑï¯šÒëìa for a typical applicationA 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:{vfld7809558913177053549}{vfld7953769398105500769}{vfld2337214414369743223}{vfld4909045044538797940}{vfld7377213267546760516}{vfld8032487086092478049}{vfld2336934389683154809}ñ{vfld8391171928515504244}ï¯šÒëìthe DELTA.INI{vfld8313961762154899814} file contains the list of files you want to probe.2.{vfld2334392307301774177}Run Delta.3.Click on {vfld8317411230812697200}. This will bring up the Select Profile dialog and allow you to select which directory or directories to profile.4.{vfld7234013693349751159}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:\'. {vfld7594305239971554401}‘{vfld73772133446045146 62} {vfld75266765529434292 17} {vfld73100119372792730 76}ï{vfld33457187159805425 61} {vfld75751858936808248 64}¯□šÒë□ìre selected by modifying the DELTA.INI file's [Probe List] section. Below is the syntax: {vfld81046366868472103 45}{vfld23363493862970801 80} [Probe List]{vfld82476086792216541 28} {vfld83875138962804201 98}□{vfld23383282196478301 32} {vfld70223646370247770 65}ï¯□šÒë□ì{vfld48369774990951993 43}. This will add the directory to the Selected Profiles list.6.Click on {vfld73111469851096008 35}. This will accept the Selected Profiles list and exit the Select Profile dialog.7.Click on . This will perform the profiling.8.At this point if you would like, add a comment in the comment field.9.Click on . This will save the current profile.The filename 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.‘ð¯□šÒë□ìtallation software.11.Go back to Delta and repeat steps 3 through 8. 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.12.Click on , enter the filename you entered in step 9. This will retrieve the old profile you had before you ran the installation procedure.13.Click on . This will compare the old profile against the new profile. This will also prompt you for a filename for the report file. The report file will be automatically viewed per the TextEditor keyword in the DELTA.INI file.1ð¯□šÒë□ìÿÿÿÿ†“Žm„‰‚ÿ‘ð¯□šÒë□ìnd remove disks/directories to profileClick 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.Ñð¯□šÒë□ìively you could specify the directories to be profiled in the DELTA.INI file. This would also be the method to use when Delta is ran automatically with the -a option.ð¯□šÒë□ì. 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.Qð¯□šÒë□ì and enter the filename 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 filename of the second profile. Delta will now consider this as the old profile.¡ð¯□šÒë□ìcommand line optionsUsage:delta <filename> | -awhere:<filename>is the filename of a previously saved profile.gain.¡µ{vfld5641090866380293444}
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{vfld75266765272407363 73}{vfld48388720049300051 07}
{vfld72343163466927568 51}{vfld73795398941582605 78}
{vfld60743061563195659 40}{vfld65663748697487056 38}
{vfld54854958195882271 63}{vfld73102222059102149 88}
{vfld33457340718977775 23}{vfld75751858936808248 64}
{vfld82957420129157415 45}{vfld66457565600991460 99}
{vfld72371231122661971 08}{vfld83678215884161964 61}
{vfld78850809941315687 56}{vfld73074841597120618 04}
{vfld80271390015218916 86}{vfld23343868298313357 82}
{vfld23366309256646785 12}{vfld80306043701316455 45}
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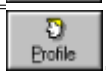
{vfld80075069839096812 68}{vfld23189122829320479 83}
{vfld70234748089175424 32}{vfld23343912119887115 25}
{vfld83891916876028567 04}{vfld78047734768158886 85}
{vfld23343988440120893 76}{vfld23343868298304812 67}
{vfld23366309256646784 80}{vfld23380426512493694 21}
{vfld23369274417676547 60}{vfld83678194280264126 55}
{vfld74530015343123126 92}{vfld75988242512844847 20}
*{dtype1}**Note:** Two icons have been supplied with Delta. This allows you to add two program items to program groups in the Program Manager and distinguish between them. One item can be for running Delta normally and the other for running Delta with the -a option.*

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 2.4, 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.

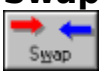
Note: *Select the Compress check box before saving if you want the file to be compressed.*

Note: *Also make sure that you have entered any desired comments in the new comments field before saving.*

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.

Add Command

is used to add a directory to the Selected Profiles list.

Cancel Command

is used cancel any directories added to or removed from the Selected Profiles list and exit the Select Profile dialog.

OK Command

 is used to accept the directories in the Selected Profiles list and exit the Select Profile dialog.

Remove Command

is used to remove a directory from the Selected Profiles list.

Ordering Information

Δ 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:

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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.

File Manager

A tool used to organize files and directories.

Program Manager

A tool used to start applications and organize applications and files into logical groups.

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.

Old Time Stamp

Date and time of old profile.

New Time Stamp

Date and time of new profile.

Old Comment

User entered comment for old profile.

New Comment

User entered comment for new profile. This field can be edited.

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