

# CIPHER /w TO WIPE DELETED FILES FROM A HARD DRIVE OR FLASH DRIVE

# HIGH-LEVEL EXECUTIVE SUMMARY

You can use the "cipher /w" command-line command to wipe deleted files from the hard drives of computers running "Windows.. This will prevent someone running a software program such as the free "Recuva Free Edition" from recovering files that you have deleted.

## DETAILED DESCRIPTION

You can use the cipher /w:C:

command-line command to remove deleted files permanently so that software such as the free Recuva software utility cannot be used to "undelete" files/folders that you have deleted.

To wipe deleted files from a drive other than C:, substitute the actual drive letter that you wish to scan:

For example, to scan the M: drive, type in cipher /w:m:

You can use the free <u>Recuva software utility</u> to verify that the "cipher /w" command has succeeded in "wiping" recently-deleted files/folders from a hard drive or a USB flash drive.

Please note that many online and print magazine articles erroneously tell you to type in

cipher /w:c

Since "c" is not a valid path designation in Windows.., "cipher /w:c" is seen by "Windows.." as "cipher /w" which then defaults to wiping free space in the C: drive. If you type in

cipher /w:f

when you want to wipe the F: drive, "Windows.." ignores the "f" and "cipher /w:f" defaults to "cipher /w" which will wipe your C: drive instead.

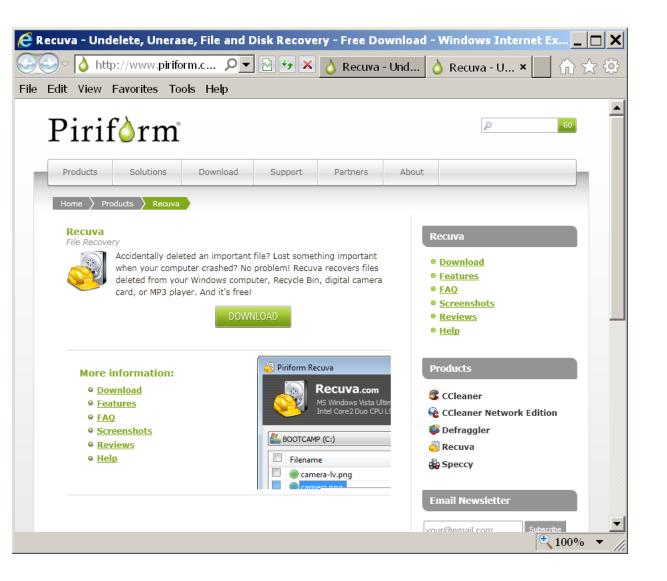
## STEP-BY-STEP PROCEDURE

#### Step 1:

If you have not already done so, go to

http://www.piriform.com/recuva

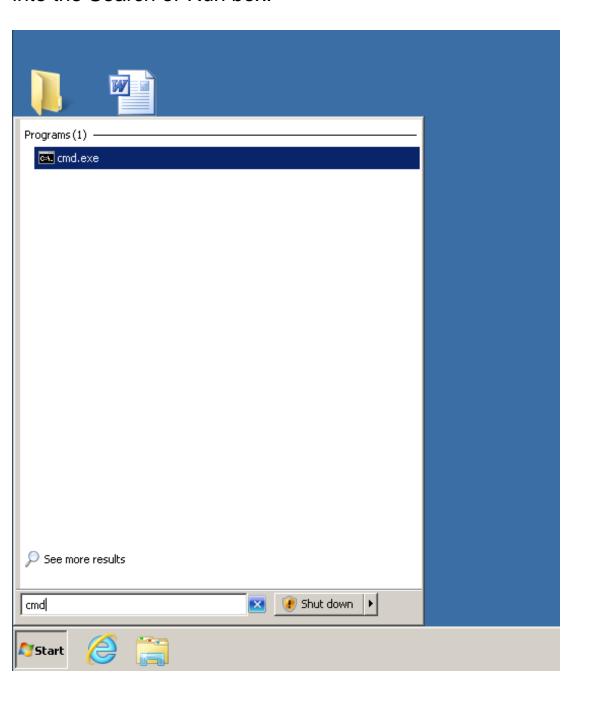
and download and install the free version of the "Recuva" program:



Step 2: Click on the Windows "Start" button:



Step 3: Type cmd into the Search or Run box:



#### Step 4:

"cmd.exe" will be displayed by the "Start" menu.

#### Step 5:

Use the right mouse button to click on "cmd.exe".

#### Step 6:

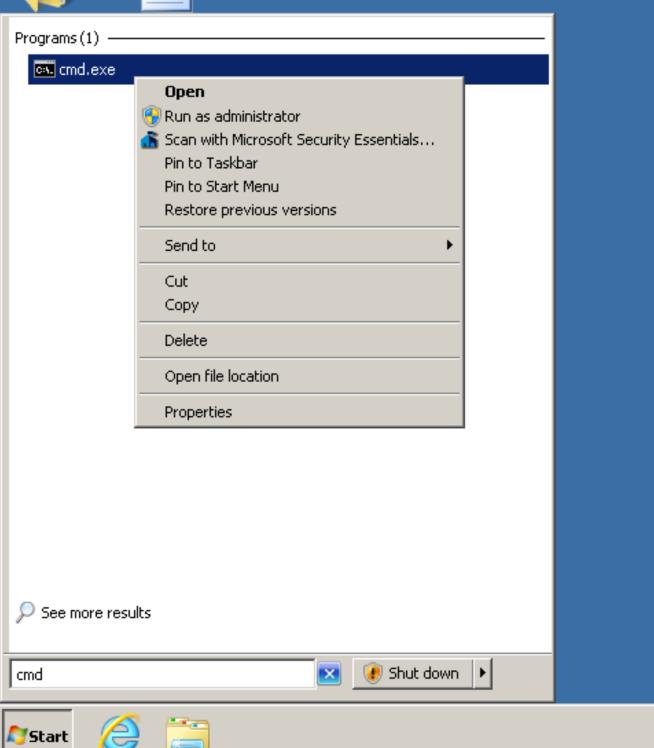
A pop-up context menu will be displayed:

#### Step 7:

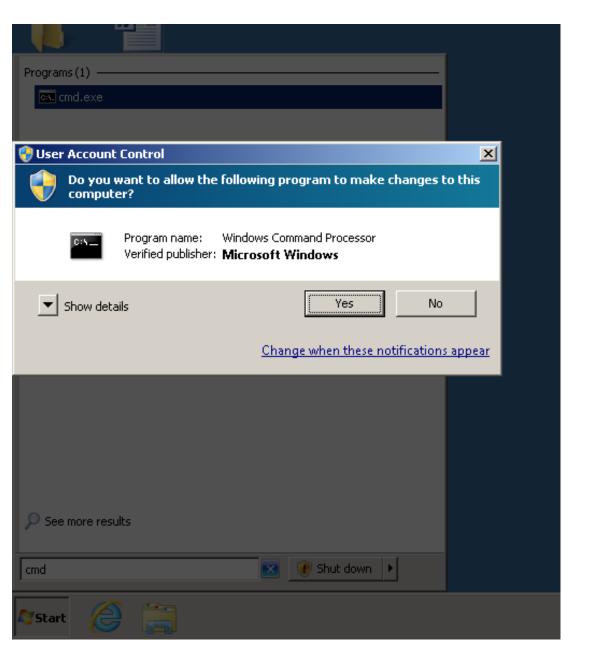
Click on "Run as administrator" in the pop-up context menu:



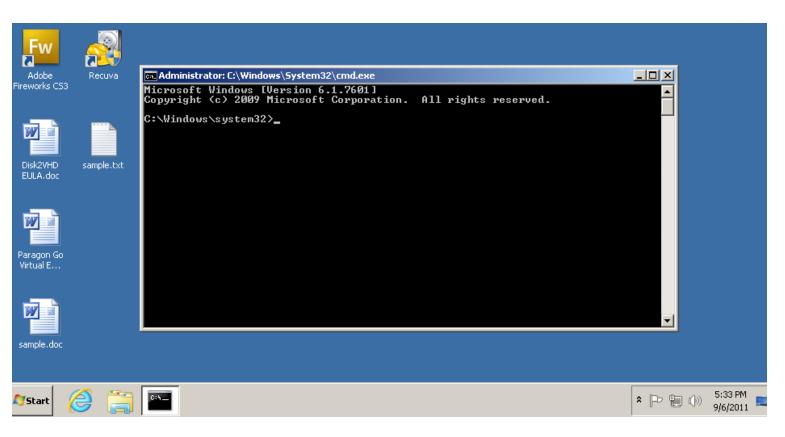




Step 8: If a "User Account Control" box is displayed, click on its "Yes" button:



Step 9: A black "Command Prompt" window will be displayed:



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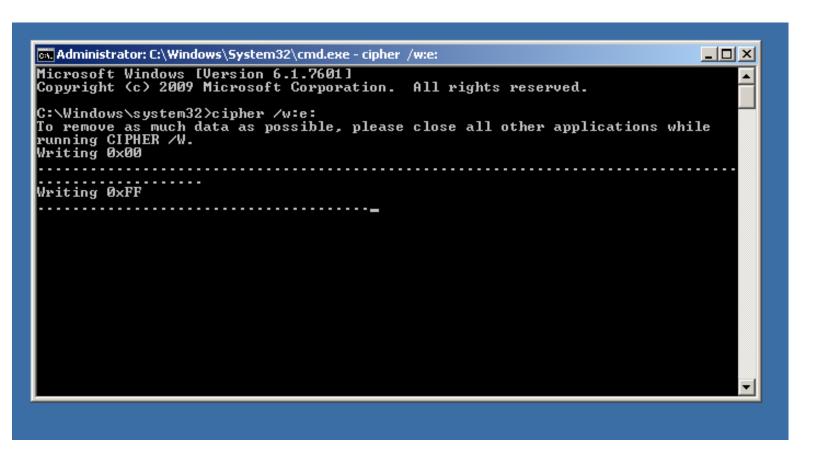
Step 10: Type in cipher /w:e:

Type at least one space between the "r" in "cipher" and the "/".

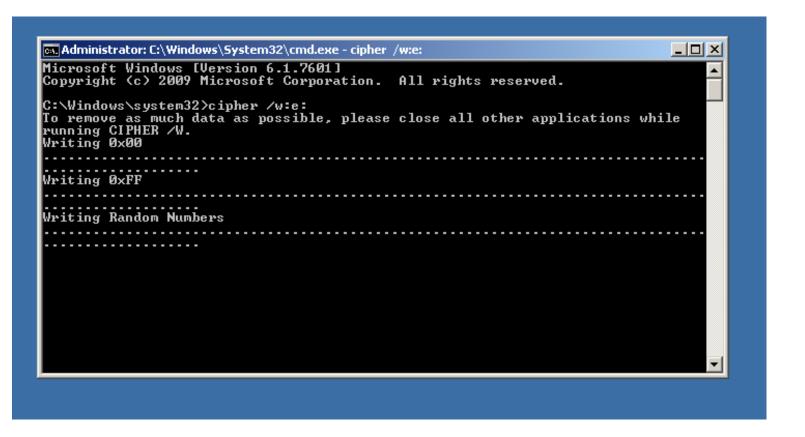
There must be one colon to the right of the "w".

There must be one colon to the right of the "e".

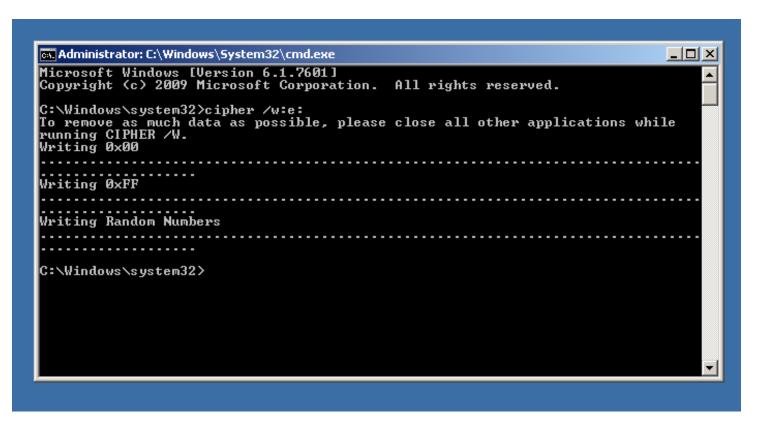
However, instead of "e", you might have to substitute the drive letter of the actual drive that you wish to wipe:



Step 11: Press the Enter key of the keyboard.



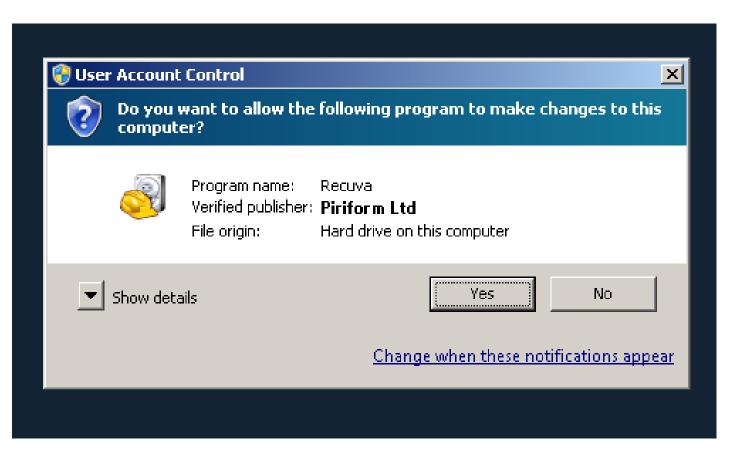
# Step 12: The wiping process is done when the command prompt is displayed:



Step 13:
Start the "Recuva" program:



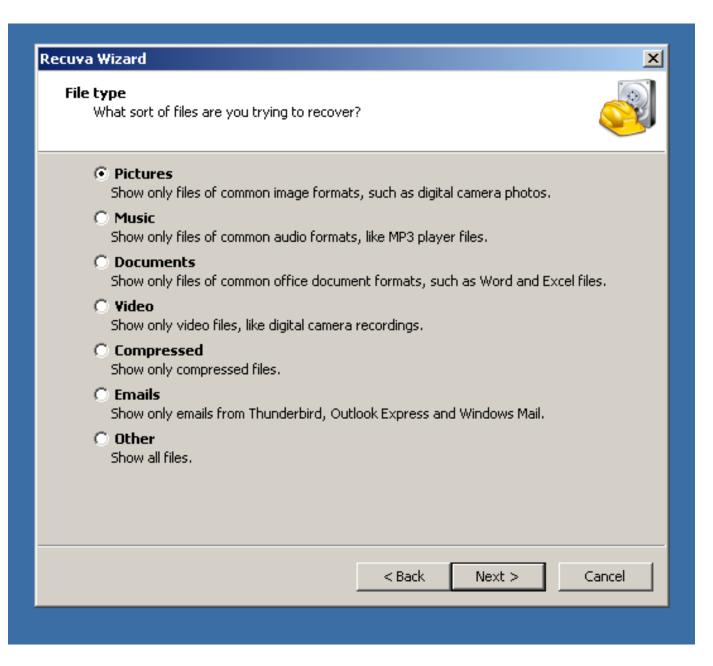
Step 14: If a "User Account Control" box is displayed, click on its "Yes" button:



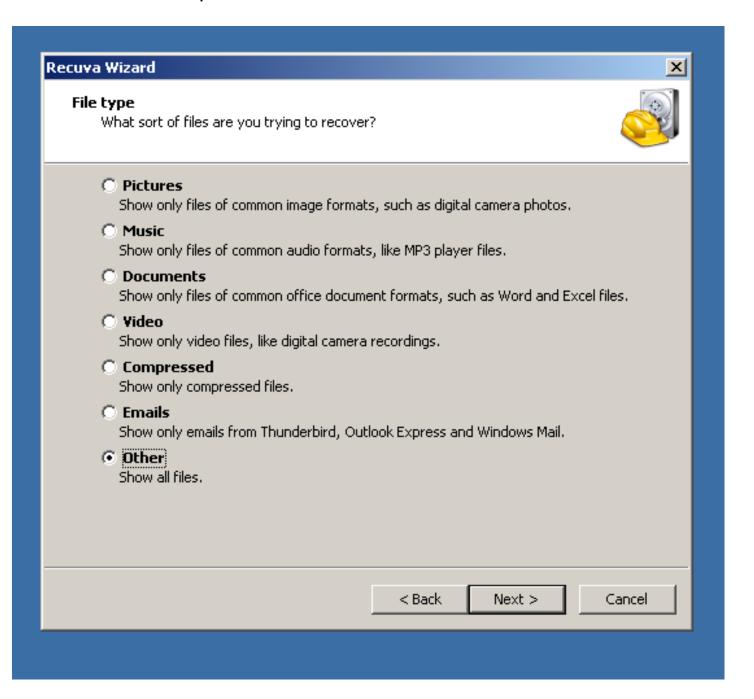
Step 15: Click on the "Next" button of the "Recuva Wizard" box:



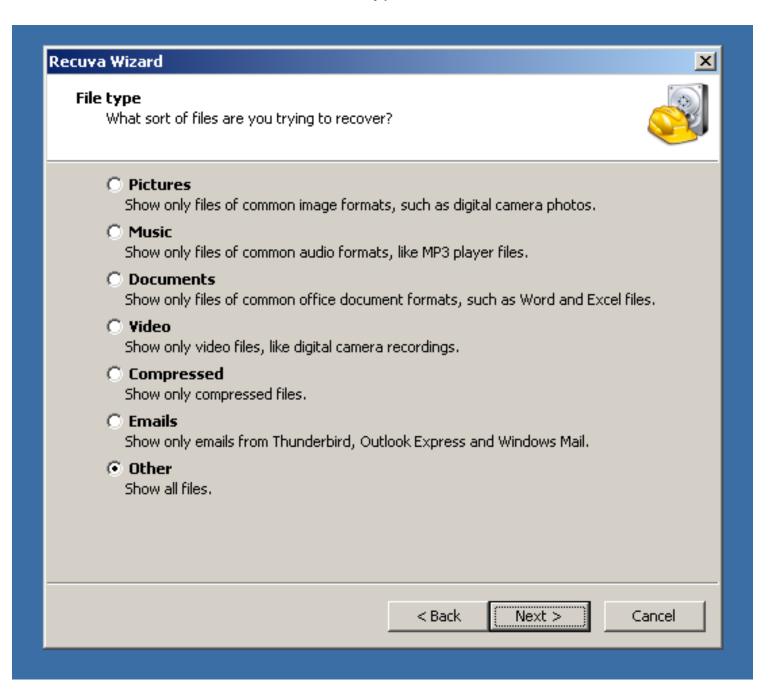
#### Step 16: A "File type" box will be displayed:



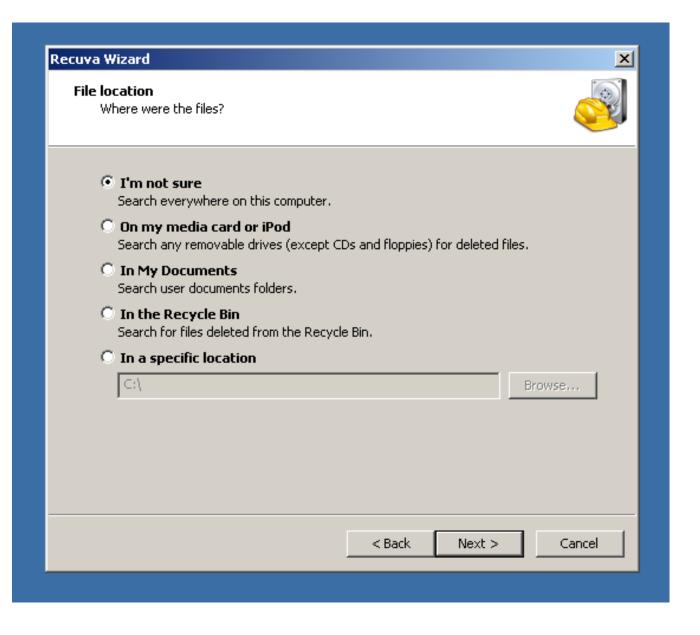
Step 17: Select the "Other" option:



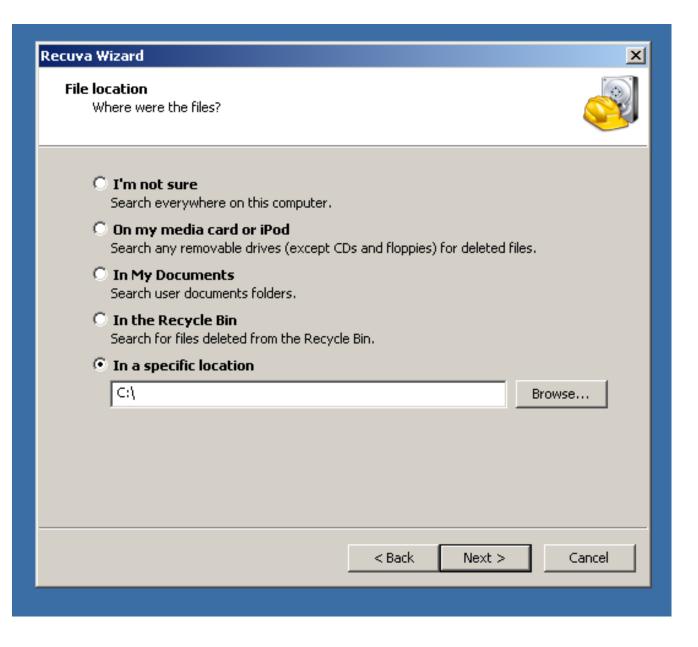
Step 18: Click on the "Next" button of the "File type" box:



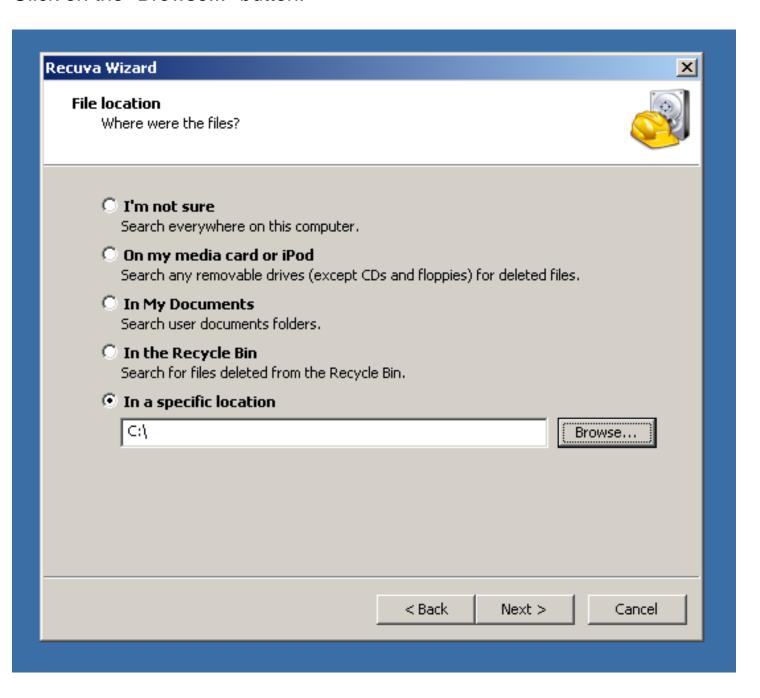
Step 19: A "File location" box will be displayed:



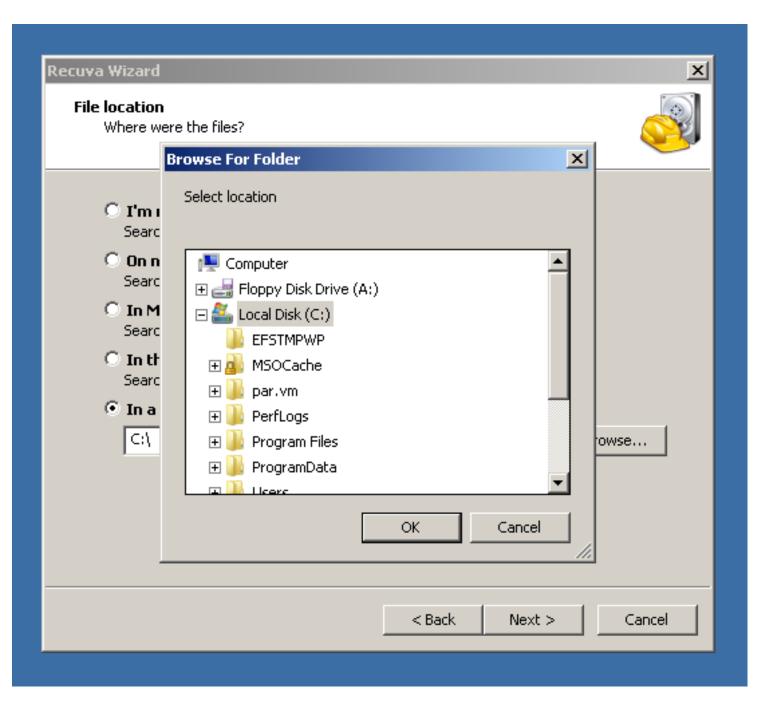
Step 20: Select the "In a specific location" option of the "File location" box:



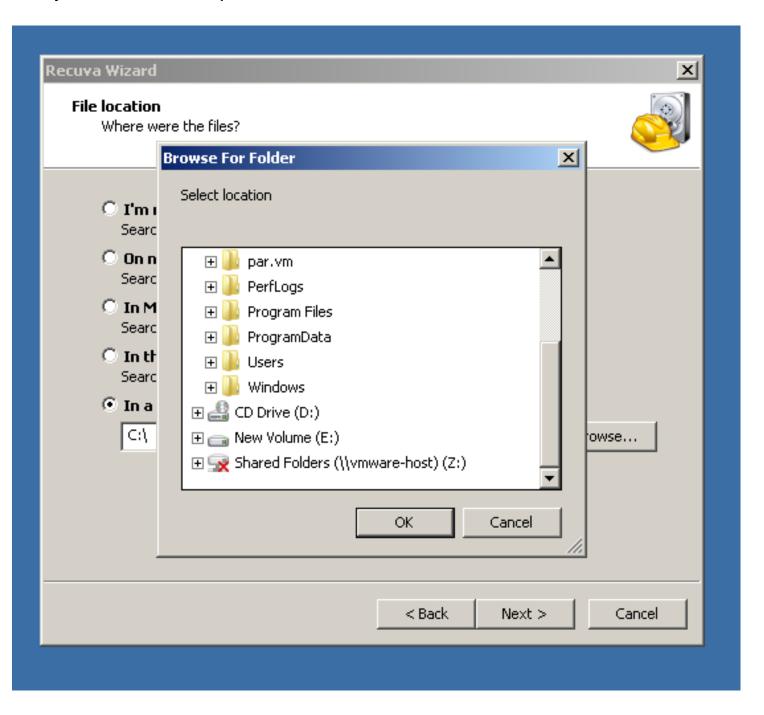
Step 21: Click on the "Browse..." button:



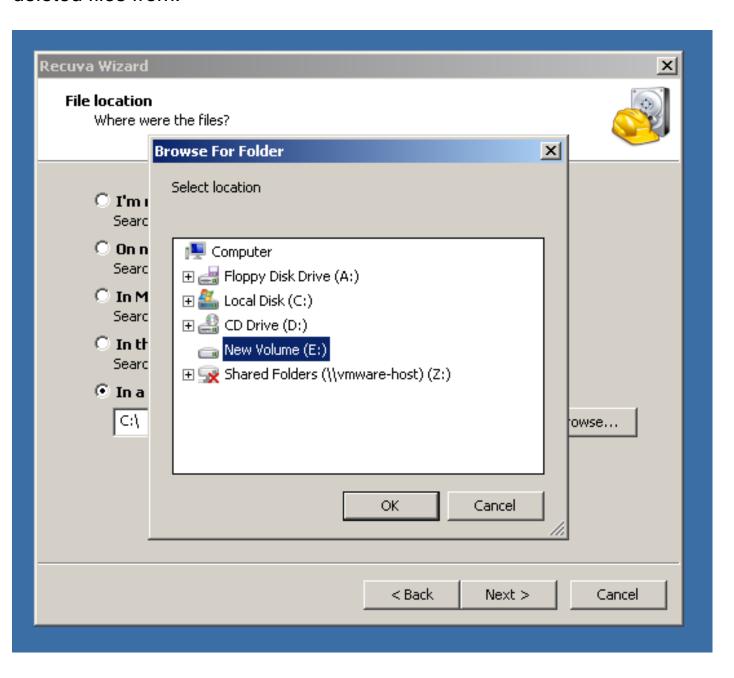
Step 22: A "Browse for Folder" box will be displayed:



Step 23: Use the vertical scroll bar to scroll down to locate the hard drive or USB flash drive that you wish to attempt to restore deleted files from:

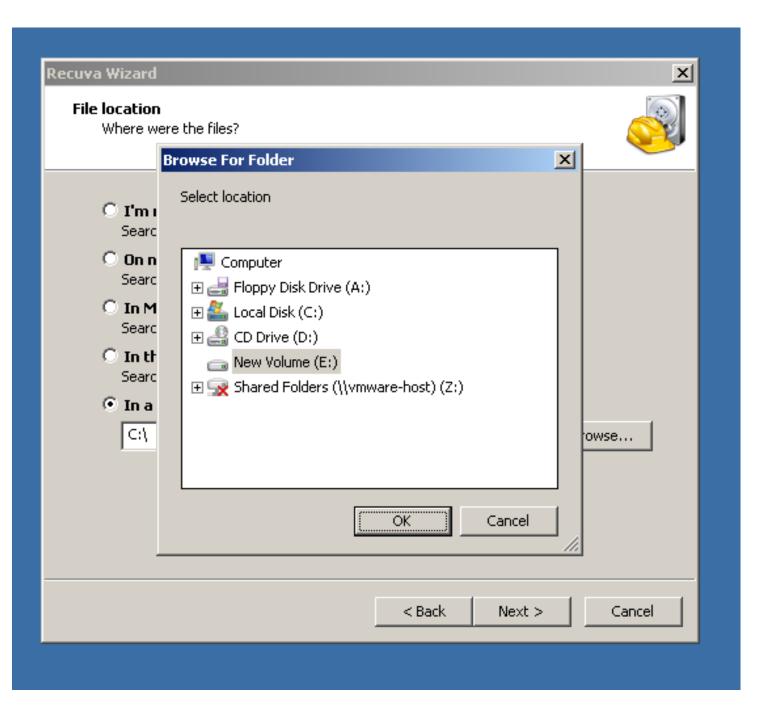


Step 24: Click on the hard drive or USB flash drive that you wish to attempt to restore deleted files from:



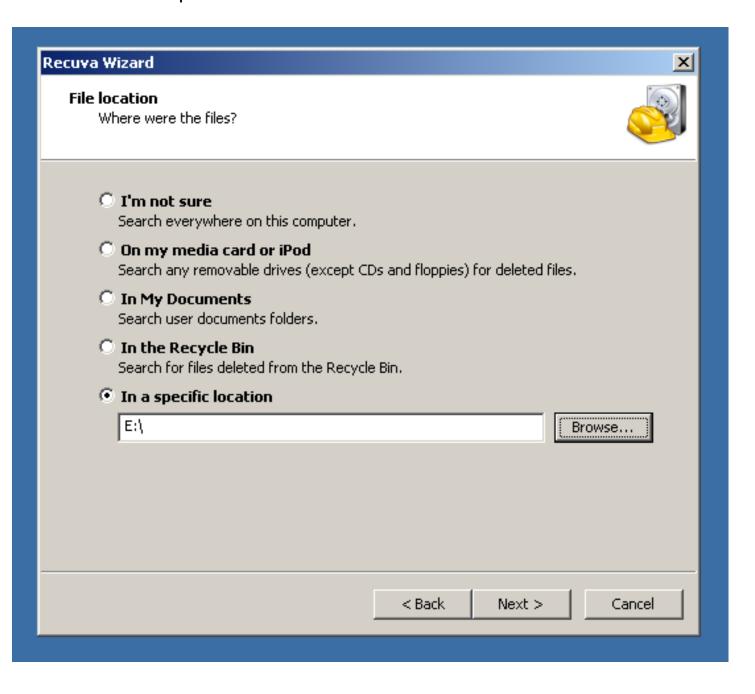
In this example, we clicked on the E: drive.

Step 25: Click on the "OK" button of the "Browse for Folder" box:

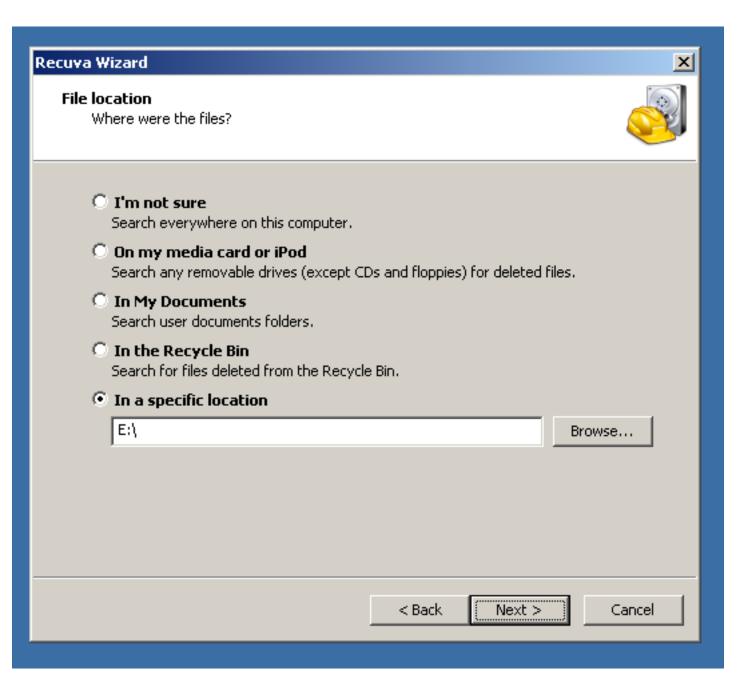


#### Step 26:

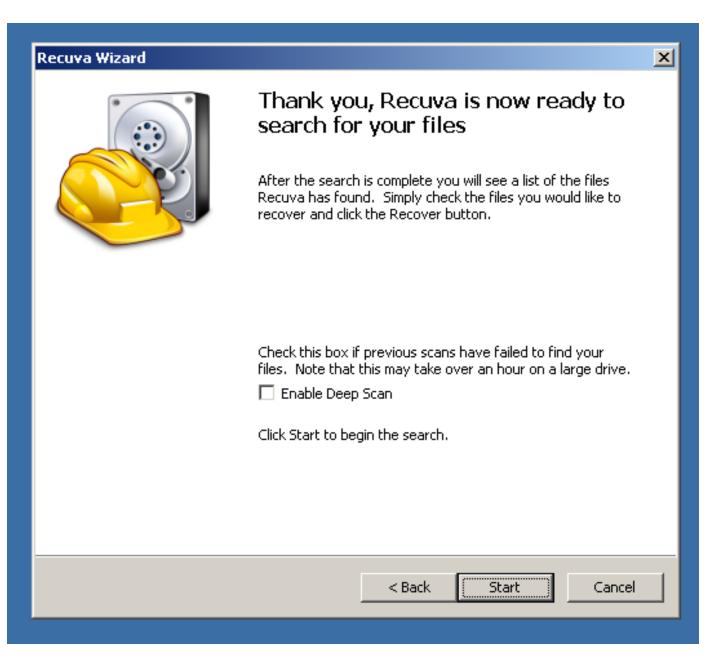
The letter of the target hard drive or USB flash drive will now be displayed in the field below "In a specific location":



Step 27: Click on the "Next" button of the "File location" box:



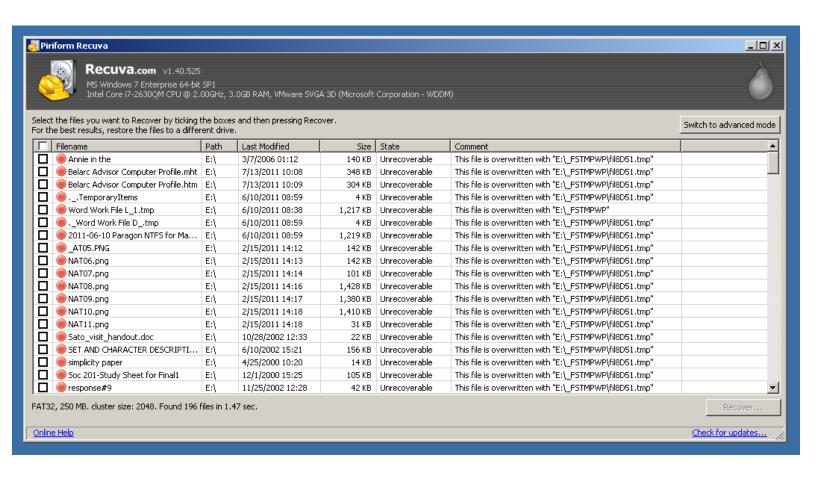
Step 28: Click on the "Start" button of the "Thank you.." box:



#### Step 29:

After a while, the results will be displayed.

You want to see lots of red dots to the left of the file names that were discovered. If there are red dots to the left of all deleted files, then "Recuva" will be unable to restore these files and the above steps have been successful in wiping your hard drive or USB flash drive.



If there is a green dot to the left of the file name, then the deleted file can be restored by "Recuva". This means that the above steps have not been successful in wiping deleted files from your hard drive or USB flash drive. In this case, you will have to go back to "Step 2" to perform the entire procedure again:

