

ASSIGNMENT NO: 06

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Name:

Kshitish Deshpande

Roll No.:

PF22

Subject:

DFCL

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Problem Statement:

Explore various computer forensic application programs for recovering deleted files and or deleted partitions and demonstrate any one such tool.

Objectives:

1. To study and explore Recuva and its features.

Theory:

Recuva supports feature such as:

1) Recovers deleted files of different formats.

2) Recovers deleted emails from software such as Microsoft Outlook Express,

Mozilla Thunderbird or Windows Live Mail.

3) One feature is Deep Scan which does a more thorough search but takes more time depending on the system. It will find deleted data even if it has been emptied from the Recycle Bin. It is not going to work every time especially on files that have been securely deleted, corrupted, or overwritten. A best practice is to use this as soon as a file has been deleted.

4) Deletes file you want to erase forever.

Implementation:

1) Download Recuva from this website- "<https://www.ccleaner.com/recuva>".

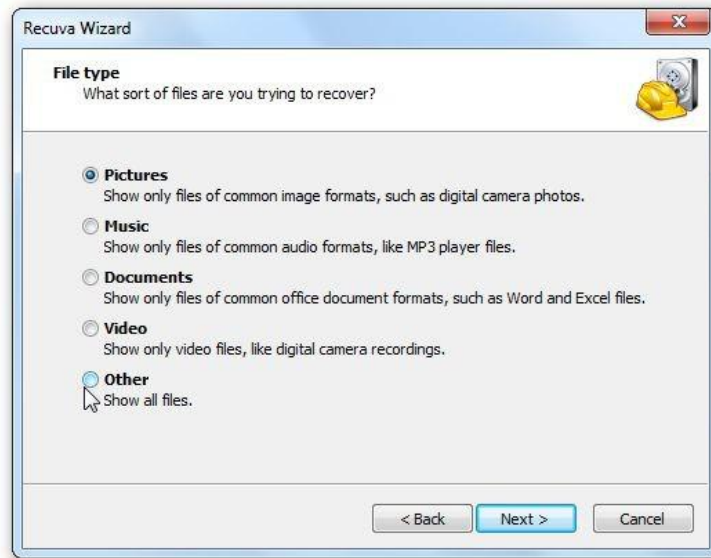


2) Install the software.

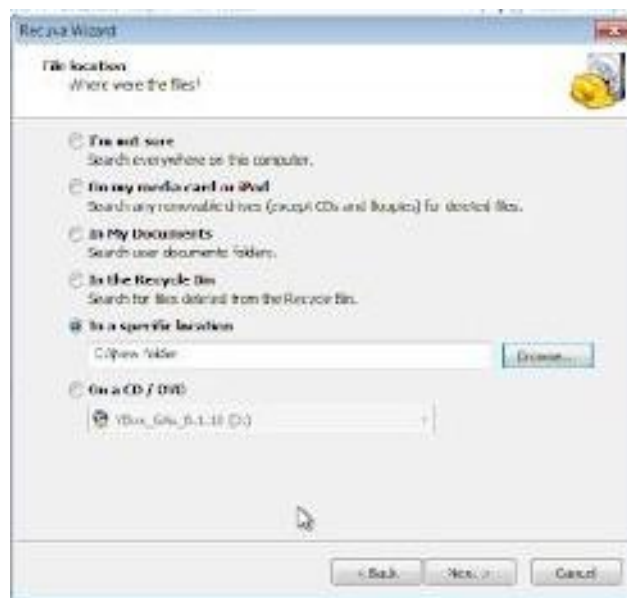
3) After the successful installation of Recuva, the Recuva Wizard gets initiated.



3) Now we must choose the type of file to recover. If we are not sure, we can choose “Other” to Show all files, this is handy for complex file types.



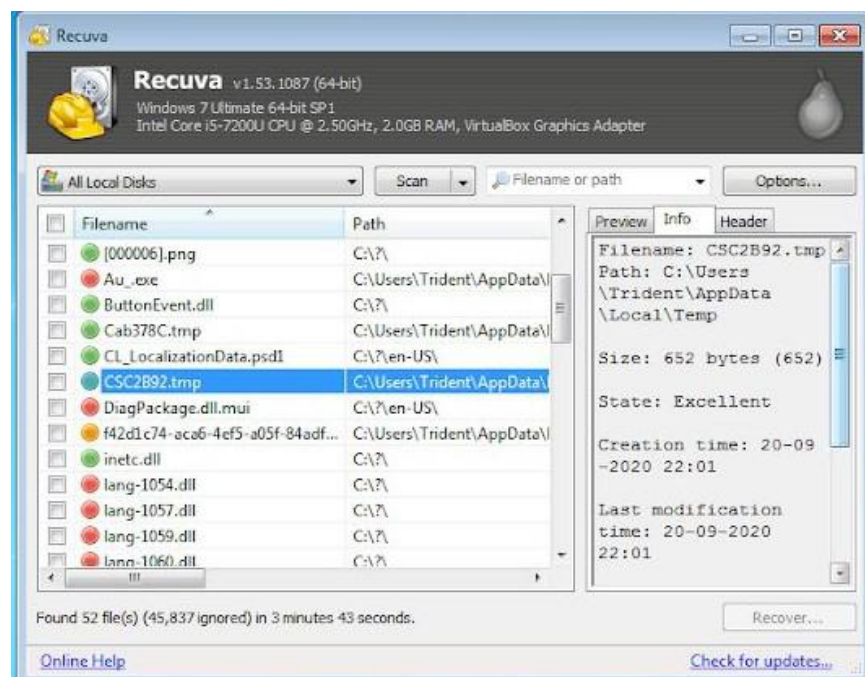
4) Select the location of where the file was located. We can choose removable media, certain directories, or search everywhere on the computer.



5) Wait while Recuva scans the system for deleted files.



6) After scanning we get the results; it will show the file(s) and the green or red dot next to them tells us how likely they will be restored without any damage. Here it shows advanced mode where we can preview the different files found. Here, Green is Recoverable; Orange is some lost in data; & Red is the non-recoverable data.



Platform: 64-bit Windows 7.

Conclusion: Hence, I learned the Recuva usage to recover deleted file.