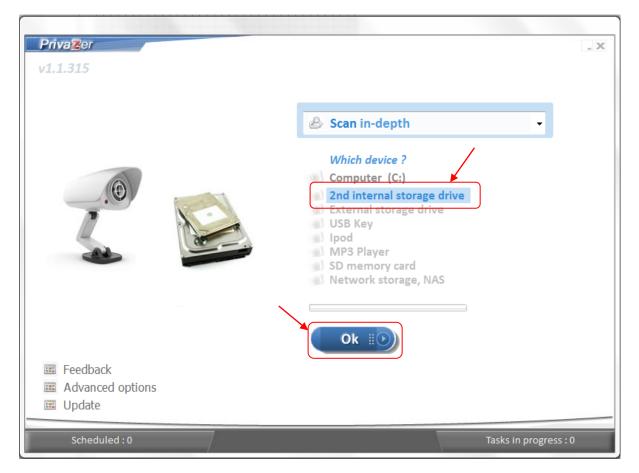
## Test Number 3: Detection of residual traces in free space

**Step 1:** Launch and run PrivaZer software and select "2nd internal storage drive" and click OK button.



**Step 2:** In order to scan only "Traces in MFT", please uncheck "Select all" and check "Traces in MFT" check box and then click on "Scan" button. (Note: When "Traces in MFT" is selected, "Pre-analysis" and "Traces in free space" get selected by default).

PrivaZer		-×
RECOVERY (D:)  Select scans  Select scans  Traces in MFT  Traces in free space  Traces in USN Journal  System (Recycle bin,)	<b>Recover references</b> to previous files in the allocation table of files	
Select all	Learn more > Advanced options >	
Start cleaning Shutdown PC after cleaning		
💽 Back Sc	can 💽	

**Step 3:** The results of the scan for "Traces in MFT" for "2<sup>nd</sup> internal storage drive" will be shown in the window as below. Click on "Clean" button to proceed with Cleanup.

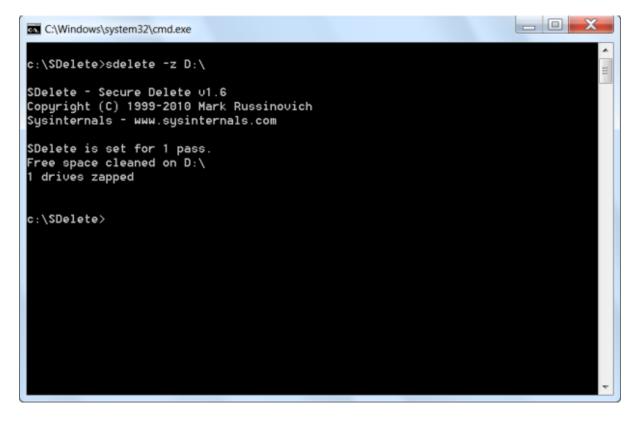
· · · · · · · · · · · · · · · · · · ·	"Strong "Solgar. Stating) making) to	1.000
Privazer		. ×
RECOVERY (D:)		
Scans completed (39 s)     Image: Completed (39 s)  <	Residual traces in free space	
✓ <u>Select all</u>		
	95% confidence interval[0.01 % - 0.07 %]Residual traces0.001 GBSample size19565 clusters	
	Examples of sectors to reset to zero >	
Start cleaning Shutdown PC after cleaning		
💽 Back Clean 💽	See cleanup options	

**Step 4:** The results of the Cleanup for "Traces in MFT" for "2<sup>nd</sup> internal storage drive" will be shown in the window as below. Click on "Close" button to close the Cleanup window.

PrivaZer	
Secure cleanup of D: COMPLETED on 02/05/2012 15:16:18	
You can access the free space of D again	4 s
111 Free MFT entries cleaned	SECURITY
	Free space 1.939 GB
	1.939 66
Shutdown PC after cleaning	History (9)
Boost	Feedback
O Stop	Close 🕥

**Step 5:** Download the free version of SDelete from the Microsoft website (<u>http://technet.microsoft.com/en-us/sysinternals/bb897443</u>). Unzip the downloaded file to a directory. For ex: "c:\SDelete"

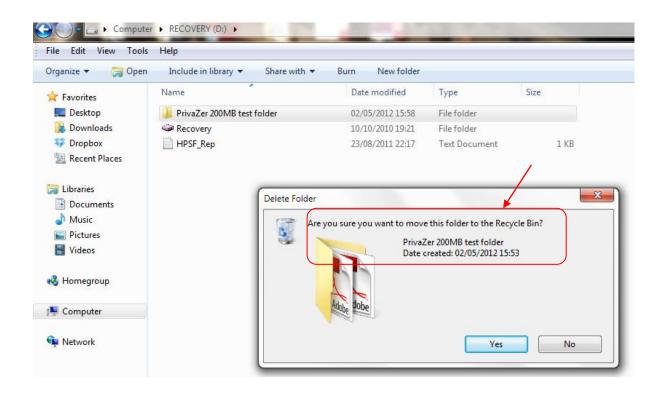
**Step 6:** Go to the directory where your SDelete file is located. Select a drive to run SDelete on. Please select second internal drive instead of C: drive. For ex: D: drive. Reset the selected drive to zero free space with SDelete by using option -z to zero current drive free space. Please type "SDelete -z <drive>" and click enter to start the SDelete.

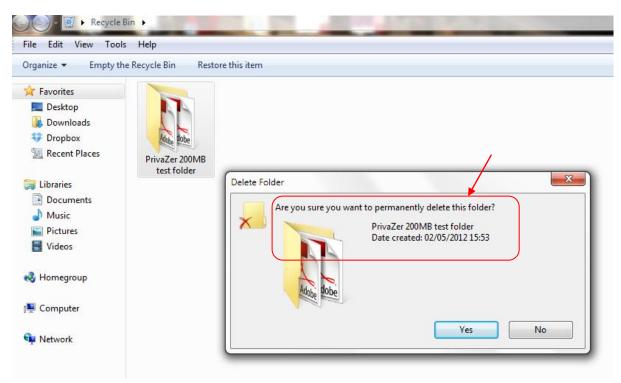


**Step 7:** Copy a "test file" of size 100MB or more in "2<sup>nd</sup> internal storage drive" i.e. (D:) drive in this example.

)rganize 🔻 🛛 Include i	n library 🔻 Share with 🔻	Burn New folder		
Favorites	Name	Date modified	Туре	Size
📃 Desktop	퉬 Test pdf folder 1	02/05/2012 15:53	File folder	
ᠾ Downloads	퉬 Test pdf folder 2	02/05/2012 15:53	File folder	
🝀 Dropbox	퉬 test pdf folder 3	02/05/2012 15:53	File folder	
🔠 Recent Places	🔁 Test pdf 1	22/03/2012 16:54	Adobe Acrobat D	10,104 KB
	🔁 test pdf 2	02/04/2012 18:08	Adobe Acrobat D	16,780 KB
🗧 Libraries	🔁 test pdf 3	22/03/2012 16:56	Adobe Acrobat D	12,328 KB
Documents	🔁 test pdf 4	26/04/2012 10:12	Adobe Acrobat D	439 KB
👌 Music	🔁 test pdf 5	27/03/2012 11:56	Adobe Acrobat D	618 KB
Pictures	🔁 test pdf 6	22/03/2012 10:02	Adobe Acrobat D	218 KB
📕 Videos	🔁 Test pdf	26/04/2012 10:12	Adobe Acrobat D	405 KB

Step 8: Now delete this test file.





Step 9: Empty this test file from Recycle Bin as well.

**Step 10:** Now again launch and run PrivaZer software and repeat step 1 to step 3. The Scan results window for "Traces in MFT" for "2<sup>nd</sup> internal storage drive" will be shown as below.

PrivaZer detects residual traces left by the file

- in the free space (red color) and
- in the file table (FAT or MFT).

