

Data recovery on failed hard disk

Hard disk is a permanent storage device for storing electronic data on a magnetic surface. Hard disk was invented by Reynold Johnson which was capable of storing five million characters. Now-a-days hard disk capacity has increased tremendously with storage capacity of 1 Terabytes. As storage capacity has increased so chances of losing such a huge amount of data form the hard disk.

Hard disk failure can when there is a break down of the hard drive (termed as physical failure of the hard disk) and data stored on the disk cannot be accessed. There are various kind of failure which our hard disk suffer the most common is "Head Crash". Head of the drive is an important component which is used to read and write the information from the hard disk. Head just moves over platter only at a distance of micrometer. Any sort of collision results in severe data loss. If we try to do the recovery by our own can result in further damage of the data.

There are numerous factors which causes hard disk failure. The most common are power surges, voltage fluctuations, electronic malfunction, physical shock, wear and tear, corrosion, exposure to high magnetic waves, sharp impact, high temperature exposure etc. Hard disk failure is increasing higher, as to increase the speed or read/write operation we are rotating the hard drive with great speed. If any thing goes wrong with the normal operation of hard disk causes severe damage.

There are several techniques used by data recovery experts to recover the data from the failed hard disk. It is done by moving the hard disk to working system. Hard disk is open to replace the parts like head of the drive, arm and chips and sometimes change of platter is also done to make it working such that data recovery can be done on failed hard disk.

Hard disk recovery requires clean and dust free environment such as Class 100 Clean Room

Apart from the physical failure of the drive, if our hard disk has suffered a logical crash then in this case data recovery software is helpful. Logical crash can be termed as inability to access the data from hard drive or data lost due to accidental format, viruses or software malfunction or even sabotage.

In case of recovery of data from severely damaged hard disk you should consult data Recovery Company for saving your important data which is trapped inside the failed hard disk.

Article written by Andrew Watson .

About the Author

[pdf converter](#) [html converter](#)

Source: <http://www.tntarticles.com>