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# TestDisk

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## TestDisk, Data Recovery

Latest stable version



# 7.1

July 7, 2019

TestDisk [is OpenSource software](#) and is licensed under the terms of the [GNU General Public License](#) (GPL v2+).

**TestDisk** is *powerful* free data recovery software! It was primarily designed to help **recover lost partitions** and/or **make non-booting disks bootable again** when these symptoms are caused by *faulty software*: certain types of *viruses* or *human error* (such as *accidentally* deleting a Partition Table). Partition table recovery using TestDisk is really easy.

TestDisk can

- Fix partition table, recover deleted partition
- Recover FAT32 boot sector from its backup
- Rebuild FAT12/FAT16/FAT32 boot sector
- Fix FAT tables
- Rebuild NTFS boot sector
- Recover NTFS boot sector from its backup

- Fix MFT using MFT mirror
- Locate ext2/ext3/ext4 Backup SuperBlock
- Undelete files from FAT, exFAT, NTFS and ext2 filesystem
- Copy files from deleted FAT, exFAT, NTFS and ext2/ext3/ext4 partitions.

TestDisk has features for both novices and experts. For those who know little or nothing about data recovery techniques, TestDisk can be used to collect detailed information about a non-booting drive which can then be sent to a tech for further analysis. Those more familiar with such procedures should find TestDisk a handy tool in performing onsite recovery.

## Operating systems

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**TestDisk** can *run* under

- DOS (either *real* or in a Windows 9x DOS-box),
- Windows 10/8.1/8/7/Vista/XP, Windows Server 2016/2012/2008/2003
- Linux,
- FreeBSD, NetBSD, OpenBSD,
- SunOS and
- MacOS X



[Download](#) binary executables and source files for DOS, Win32, MacOSX and Linux.

## Documentation

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- [testdisk.pdf](#) More than 60 pages about data recovery using TestDisk & PhotoRec and other tools
- [TestDisk Step by Step](#) to recover lost partitions and repair damaged FAT/NTFS boot sector
- [TestDisk and Live rescue cd](#)
- [TestDisk compilation](#). [Developers](#) are welcome to contribute code to TestDisk & PhotoRec.
- Recover deleted files
  - [Recover deleted files from NTFS partition](#)
  - [Undelete files and directories from FAT12, FAT16, FAT32 and exFAT filesystem](#). FAT file systems are commonly found on flash memory cards, digital cameras, and many other portable devices.

- [Undelete files from ext2 filesystem](#)
- [Recovery examples](#)
- [Computer forensics self training using TestDisk & PhotoRec](#)
- [Running the TestDisk Program](#) , a menu by menu explanation
- [TestDisk FAQ](#)
- [Support](#)
- [TestDisk & PhotoRec In The News](#)
- [TestDisk Team](#)

To recover lost pictures or files from digital camera or harddisk, run the [PhotoRec](#) command.

## Filesystems

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TestDisk can **find lost partitions** for all of these file systems:

- BeFS ( BeOS )
- BSD disklabel ( FreeBSD/OpenBSD/NetBSD )
- CramFS, Compressed File System
- DOS/Windows FAT12, FAT16 and FAT32
- XBox FATX
- Windows exFAT
- HFS, HFS+ and HFSX, Hierarchical File System
- JFS, IBM's Journaled File System
- Linux btrfs
- Linux ext2, ext3 and ext4
- Linux GFS2
- Linux LUKS encrypted partition
- Linux RAID md 0.9/1.0/1.1/1.2
  - RAID 1: mirroring
  - RAID 4: striped array with parity device
  - RAID 5: striped array with distributed parity information

- RAID 6: striped array with distributed dual redundancy information
- Linux Swap (versions 1 and 2)
- LVM and LVM2, Linux Logical Volume Manager
- Mac partition map
- Novell Storage Services NSS
- NTFS ( Windows NT/2000/XP/2003/Vista/2008/7 )
- ReiserFS 3.5, 3.6 and 4
- Sun Solaris i386 disklabel
- Unix File System UFS and UFS2 (Sun/BSD/...)
- XFS, SGI's Journaled File System
- Wii WBFS
- Sun ZFS

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TestDisk home: <https://www.cgsecurity.org/wiki/TestDisk> .

TestDisk forum: <https://forum.cgsecurity.org/phpBB3/> .

Category: [Data Recovery](#)

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