

6

HDClone

Cloning | Backup | Migration | Rescue



Hard disks, SSDs & USB drives

New: Dynamic Disks

New: Differential Images

New: SecureBoot Systems

VHDX, VMDK and VDI

Editions

- Free Edition ^{F*}
- Basic Edition ^{W,V*}
- Standard Edition ^{W,V*}
- Advanced Edition ^{W,V*}
- Professional Edition ^{W,V,T,M*}
- Enterprise Edition 4x/8x/16x ^{M*}

Highlights

- HotCopy, LiveImage, SmartCopy
- SmartImage for NTFS/FAT – **New:** HFS+
- Mounting file images as Windows drives
- Intel SATA RAID cloning and backup
- TRIM and ATA-Password for IDE + SATA
- Disks above 2 TB and with Advanced Format ¹⁾



HDClone is the universal cloning solution for storage media and includes backup, data rescue, migration and mass-copy.

The core of HDClone is a specially developed CopyEngine, making it one of the fastest cloning applications in the world.

Running with and without Windows

HDClone can be started self-booting or in Windows, offering the familiar drive letters, dynamic volumes, RAIDs and media requiring special Windows drivers to be used for copying.

Automation

The command line interface (CLI) for Windows can be used from batch scripts or the task scheduler for predefined tasks. Specify drives by ID, port, device name and/or serial number.

Fault tolerance with SafeRescue

Special strategies for reading defective sectors and a timely preferred rescuing of healthy data areas.

File images and VM images

Storing images on FAT and NTFS media, on network drives²⁾ and optionally compressed and/or encrypted, or in VM format (VMDK/VHDX/VDI) for VMware/VirtualPC/VirtualBox.

HotCopy & LiveImage at runtime

Consistent copies and images – even at runtime ('live') in Windows and even of the system volume itself.

Adjusting partition sizes & Defragmentation – NEW: HFS+

HDClone can automatically enlarge, shrink and defragment NTFS, FAT & HFS+ during copying.

Faster with SmartCopy & SmartImage

Smart images and copies (NTFS/FAT/HFS+) additionally save storage and time. Perfect for backup and migration.

TRIM keeps SSDs fast

The TRIM command optimizes SSDs, reviving their original performance during cloning and for subsequent use.

Edition overview

	Free	Basic	Standard	Advanced	Professional	Enterprise
Max. copying throughput MB/sec	30	50	60	∞ ³⁾	∞ ³⁾	∞ ³⁾
IDE, SATA, USB	●	●	●	●	●	●
New: Dynamic Disks (single disk only)	○	●	●	●	●	●
Unlocking ATA password protection	○	○	○	●	●	●
TRIM command for enhancing SSDs	○	○	○	●	●	●
New: SecureBoot	○	○	○	○	●	●
New: Dynamic Disks as source	○	○	○	○	●	●
Intel Software RAID 0/1/10/5	○	○	○	○	●	●
Firewire / IEEE1394 and SCSI hard disks ⁶⁾	○	○	○	○	●	●
SATA hotplug & Port-Multiplier	○	○	○	○	○	●
HotCopy	●	●	●	●	●	●
SafeRescue mode	○	●	●	●	●	●
Resizing (FAT, NTFS)	○	●	●	●	●	●
Advanced Format ¹⁾	○	○	●	●	●	●
SmartCopy & defrag (FAT, NTFS)	○	○	●	●	●	●
Verification mode	○	○	●	●	●	●
New: HFS+ (SmartCopy, resizing, defrag)	○	○	○	●	●	●
Command line interface (CLI)	○	○	○	○	●	●
Storing a report (PDF)	○	○	○	○	●	●
MultiCopy (4x, 8x, 16x)	○	○	○	○	○	●
LiveImage	○	●	●	●	●	●
SmartImage	○	○	●	●	●	●
Password protected images	○	○	●	●	●	●
Compressed images	○	○	●	●	●	●
New: Differential images/backups	○	○	○	●	●	●
QuickCompress	○	○	○	●	●	●
StrongCompress	○	○	○	○	●	●
256-bit AES-encrypted images	○	○	○	○	●	●
Images on Network shares ²⁾	○	○	○	○	●	●
Creating VM images (VMDK, VHD, VHDX, VDI)	○	○	○	○	●	●
New: Restoring images incl. MVD overlay	○	○	○	○	●	●
Miray Virtual Disk (MVD)	○	●	●	●	●	●
Managed file images	○	1	1	●	●	●
Multiple mounted volumes	○	1	1	7	7	7
Mounting VM images (VMDK, VHD, VHDX, VDI)	○	○	○	○	●	●
Mounting directly from network shares	○	○	○	○	●	●
Writeable virtual volumes	○	○	○	○	●	●

Technical Data

Areas of use

- Migrating or duplicating entire system installations
- Data backup, data rescue, system recovery
- Mass installation of computer systems (roll-out, deployment)
- Clone, backup or rescue proprietary file systems
- Copy between SATA, IDE, USB, Firewire, SCSI, SAS & RAID
- Forensics, rescuing and securing of evidence

Hardware requirements self-booting

- PC 586+/256 MB, VGA, keyboard & mouse (PS/2 or USB)
- Bootable CD/DVD drive or USB thumb drive

Requirements running on Windows

- Windows XP (SP2), Vista, 7, 8/8.1
- Windows Server 2003, 2008, 2008 R2, 2012 ⁴⁾

Supported Media

- IDE-, ATA-, SATA- & eSATA hard disks & SSDs, CompactFlash
- USB hard disks, USB thumb drives, SCSI hard disks ⁶⁾
- SD/SDHC/MMC, CompactFlash, xD, Memory Stick etc.
- Firewire/IEEE1394 hard disks (internal & external) ⁴⁾
- Dynamic Disks, RAID, SAS ²⁾ and other ²⁾

Supported Controllers ⁵⁾

- PCI IDE controllers / Busmaster IDE controllers
- SATA/SATA-II controllers with IDE/AHCI, SCSI host adapters ⁶⁾
- USB 1.1/2.0/3.0/3.1 controllers with UHCI/OHCI/EHCI/XHCI
- Firewire/IEEE1394 controllers with OHCI
- Intel Onboard Software RAID 0/1/10/5

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