

# PARAGON HARD DISK MANAGER

*2010 Corporate Line*

## Storage lifecycle maintenance for corporate Windows environments!

Corporate editions of Hard Disk Manager 2010 consolidate all our technologies and expertise in the field of data and storage management to let you cost-effectively maintain physical and virtual Windows servers and workstations all through their lifecycle.



### Our product delivers:

- P2V, V2V, V2P, P2P Windows migration
- PAT (Partition Alignment Tool)
- Exclusive drive re-partitioning facilities
- Rock-solid disaster recovery technologies
- Unique file system optimization tools
- Reliable storage disposal techniques
- Flexible licensing policy

### Primary audience:

- System administrators working for small and mid-sized companies
- IT experts

Hard Disk Manager 2010 Brief Editions' Overview	Workstation	Server	For Virtual Server
<b>Virtualization and Migration</b>			
Mount a virtual disk and work with it as if it's an ordinary physical disk (Connect VD)	✓	X	✓
Migrate a physical system to a virtual environment by converting all installed software and data into a virtual disk (P2V Copy)	✓	X	✓
Restore a physical system from a backup directly to a virtual environment (P2V Restore)	✓	X	✓
Restore functionality of a virtual environment after unsuccessful virtualization with 3-rd party tools (P2V Adjust OS)	✓	X	✓
Migrate a Win2K+ system to a different hardware configuration (P2P Adjust OS)	✓	✓	✓
<b>Supported Virtual Machines</b>			
MS Virtual PC	✓	X	✓
MS Virtual Server	X	X	✓
MS Hyper-V	X	X	✓
VMware Workstation	✓	X	✓
VMware Fusion	✓	X	✓
VMware ESX Server	X	X	✓
<b>Additional Functionality</b>			
Boost performance of physical and virtual storages (Partition Alignment Tool)	X	X	✓
<b>Supported Operating Systems</b>			
Windows 2003/2008 Server	X	✓	✓
Windows 2003/2008 Small Business Server	X	✓	✓

**Please note!** Hard Disk Manager 2010 Workstation bundles HDM 2010 Professional with 1-year Upgrade Assurance and Extended Support.

## WHY PARAGON HARD DISK MANAGER 2010?

### We offer effective data and storage management

- Any type of migration for Win2K+ platforms (P2V, P2V Restore, V2P, V2V, P2P, etc.)
- PAT (Partition Alignment Tool) to boost performance of physical and virtual data storages
- Maintenance of virtual machines and the host from one site in MS Hyper-V Server
- Operation with virtual disks as if they are physical (Connect VD)
- Fast data exchange between physical and virtual environments
- Time-proved drive partitioning of any complexity for physical and offline virtual disks
- Any backup destination, including un-mounted partitions, network shares, and FTP servers
- Differential and incremental backups, and exclusive file complements
- Task scheduling and scripting to chain multiple operations into one job and automate execution
- Exclusive defragmentation for NTFS and FAT (27 strategies, MFT defragmentation and shrinking, etc.)

### We contribute to business continuity

- Live imaging and migration for Win2K+ systems with Microsoft VSS and Paragon Hot Backup™
- Complete backup infrastructure that is fully compliant with the Set-and-Forget Backup Policy
- No hardware dependency with the next generation of Paragon Adaptive Restore™; our technology guarantees a Win2K+ system will boot on different computer hardware (P2P)
- Restore at a granular level minimizes downtime if there's no need to restore an entire image
- Comprehensive recovery environments based on DOS, Linux, and WinPE 2.1
- Boot problems correction (Windows system registry modification, MBR and BCD correction, etc.)

### We help to protect intellectual property

- Encryption and password protection for backups guarantees security for confidential data
- Two wipe algorithms (custom and the US DoD 5220.22-M military standard) to destroy all on-disk information or only remnants of deleted files / directories without affecting the used data

### We support all hardware and software

- Support for any Windows OS since Win2K (including Windows 7 and Windows Server 2008 R2)
- Support of all the latest hardware, including all SCSI, IDE and SATA RAID controllers, Blu-ray drives, USB 1.x/2.0 and IEEE 1394 (FireWire) devices, PC card storages...
- Support for MS Virtual PC, MS Virtual Server, MS Hyper-V R1/R2, VMware Workstation, VMware Fusion, and VMware ESX Server
- Support for Microsoft dynamic disks (simple, spanned, striped, mirrored, RAID-5)
- Support for GPT (GUID Partition Table) disks
- Support for Apple Boot Camp configurations

### We take care of our customers

- Free updates with no limitations
- Free upgrades within 60 days after purchasing and a good discount later
- Knowledge Base and Community Forum for self support
- Free complimentary support for 60 days after purchasing
- Exclusive paid assistance services

## KEY FEATURES

Features	Benefits
 Supported Windows OS	Accomplish any operation under any Win2K+ system (Windows 2000 and later)
 Supported virtual machines	MS Virtual PC, MS Virtual Server, MS Hyper-V, VMware Workstation, VMware Fusion, and VMware ESX Server
 PAT (Paragon Alignment Tool)	Align partitions to physical disk sectors to boost performance of storages
 Live imaging and migration	Protect or migrate Windows systems online with Microsoft Volume Shadow Copy Service (MS VSS) or Paragon Hot Processing
All existing backup techniques	Sector and file level backups with differential or incremental updates as well as an exclusive file complement
Any backup destination	Local mounted/un-mounted partitions, external storages, CD/DVD/Blu-ray discs, network shares,  FTP servers as well as the secured hidden partition (Backup Capsule)
 Wide migration options	P2V, P2V Restore, V2P, V2V,  P2P, migration of Windows 7 installed on .vhd
 Connect VD	Connect and work with virtual disks as if they are physical
 P2V Adjust OS / P2P Adjust OS	Make OS start up after unsuccessful migration or virtualization with 3rd party tools; Make OS bootable on dissimilar hardware
Comprehensive recovery environments	Three types to choose from, based on the latest Linux, DOS, and  WinPE 2.1, available on CD/DVD/Blu-ray, thumb drives, and Backup Capsule
Redistribute Free Space	Increase free space on one partition by up-taking the on-disk unallocated space and the unused space of other partitions
Cyclic Backup	Establish a self-acting data protection system that is fully compliant with the Set-and-Forget Backup Policy
Script Generator	Chain multiple operations into one job and make a script to execute it later on computers locally or remotely in the unattended mode
 Selective Restore	Easily extract files and folders from a backup image through the Restore Wizard without the need to restore an entire image
Data Wiping	Destroy all on-disk information or only remnants of deleted files/directories with a custom algorithm or the US DoD 5220.22-M military standard

## AVAILABLE LICENSES

### End User Single License or Corporate Single License

Each user must agree with the terms of this license type during product installation. EULA (End User License Agreement) grants the legal right to use Paragon Software within a private household or an office. The complete text of EULA can be found in the installation package. By default all products include this license type.

Only with Hard Disk Manager for Virtual Server you get a special `Per Seat` License that stipulates the use of our product on one physical system, that hosts up to 99 virtual machines. Besides it includes a 10-migration pack for physical platforms.

### Volume License

Prices are calculated from two units to several hundred units. At a certain point, it may be more cost-effective to request if a Site or Enterprise wide license would be a better solution for the customer.

### Technician License

The Technician License is a valuable, cost-effective software option for system administrators, technicians, and IT consultants who maintain small, mid-sized or large corporate environments.

The Technician License is only available for Hard Disk Manager 2010 Server.

Hard Disk Manager 2010 Server Licenses' Overview	Standard Tech License	Independent IT Consultant's Tech License	Mid-sized Business Network Tech License	Enterprise Network Tech License	Unlimited Tech License	Server Single License
Number of servers allowed to work on	Up to 10	Unlimited external use (up to 10 internally)	Up to 25	Unlimited	Unlimited	1
Number of workstations allowed to work on	Unlimited	Unlimited (one location internally)	Unlimited	Unlimited	Unlimited	None
Number of licensed locations	One location	Unlimited	One location	One location	Multiple locations	Per system
Number of licensed technicians	1 Tech	1 Tech	1 Tech	1 Tech	Unlimited	Per system
Included support for virtual machines, P2V, V2P, V2V, and Connect VD	no	no	yes	yes	yes	no
Included Support Service	Extended Support (1 year)	Extended Support (1 year)	Extended Support (1 year)	Extended Support (1 year)	Extended Support (1 year)	Complimentary Support (60 days)
Included Upgrade Assurance	yes	yes	yes	yes	yes	no

## SYSTEM REQUIREMENTS

Supported Operating Systems	Supported Virtual Machines
<p>Windows 7 (32/64-bit)            Windows Vista (32/64-bit)            Windows XP Professional (32/64-bit)            Windows XP Home            Windows 2000 Professional SP4            Windows Server 2000 Family SP4            Windows Server 2000 Family            Windows Server 2003 x64 Edition            Windows Small Business Server 2003 Family            Windows Small Business Server 2008 Family            Windows Storage Server 2003            Windows Server 2008 Family (32/64 Bit)</p>	<p>Microsoft Virtual PC            Microsoft Virtual Server            Microsoft Hyper-V R1/R2            VMware Workstation            VMware Fusion            VMware ESX Server</p>
Supported HDD and Removable Media	Supported File Systems
<p>Parallel ATA (IDE) HDD            Serial ATA (SATA) HDD            External SATA (eSATA) HDD            SCSI HDD            All levels of SCSI, IDE and SATA RAID controllers            RAID support (hardware and software)            CD-R/RW            DVD-R/RW            DVD+R/RW            DVD+/-R (DL)            BD-R            BD-RE            USB 1.x/2.0 and IEEE 1394 (FireWire) devices            PC card storage devices</p>	<p>NTFS (v1.2, v3.0, v3.1)            FAT16            FAT32            Linux Ext2FS            Linux Ext3FS            Linux Ext4FS            Linux Swap            Apple HFS+            Other file systems (in the sector-by-sector mode)</p>
For Windows installation	For WinPE environment
<p>Intel Pentium or compatible, 300 MHz or higher            At least 128 MB (256 MB or greater)            Disk space: 120 Mb            Internet Explorer 5.0 or higher</p>	<p>Intel Pentium III CPU or compatible, 1000 MHz or higher            At least 512 MB of RAM            SVGA video adapter and monitor            Mouse</p>



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