

## Hyper-V

# Exclusive Virtual-Aware defragmentation for optimal performance in Hyper-V Environments

The PerfectDisk® Hyper-V Bundle is the next generation of disk defragmentation for virtual environments. Combining PerfectDisk's speed, thoroughness, flexibility, control and automation with virtual awareness, the PerfectDisk Hyper-V Bundle helps ensure system resources in your Hyper-V™ virtual environment are optimized and allocated properly, with no negative performance implications. The PerfectDisk Hyper-V Bundle includes the PerfectDisk Enterprise Console, providing maximum ease of use and management flexibility.

## Certification and verification – A trusted solution

PerfectDisk is certified by Microsoft® for Windows Server® 2008 and Hyper-V, ensuring the highest standards of quality. As a Microsoft Gold Certified Partner and member of the Microsoft Developers Network, Raxco maintains a close partnership with Microsoft to ensure ongoing quality and compatibility.

## Exclusive Virtual-aware Resource Allocation

Unlike any other disk defragmenter available today, the PerfectDisk Hyper-V Bundle provides intelligence in a Hyper-V environment to ensure optimal performance and eliminate unnecessary and harmful resource contention. This exclusive feature brings StealthPatrol's automatic background defragmentation processing to a new dimension. PerfectDisk is not only aware of its resource availability and usage of individual machines, but of their physical hosts as well, ensuring the fastest possible performance for guests and the host machine, with no negative resource usage. Integration with Live migration further enhances usability.

## Patented optimization technology

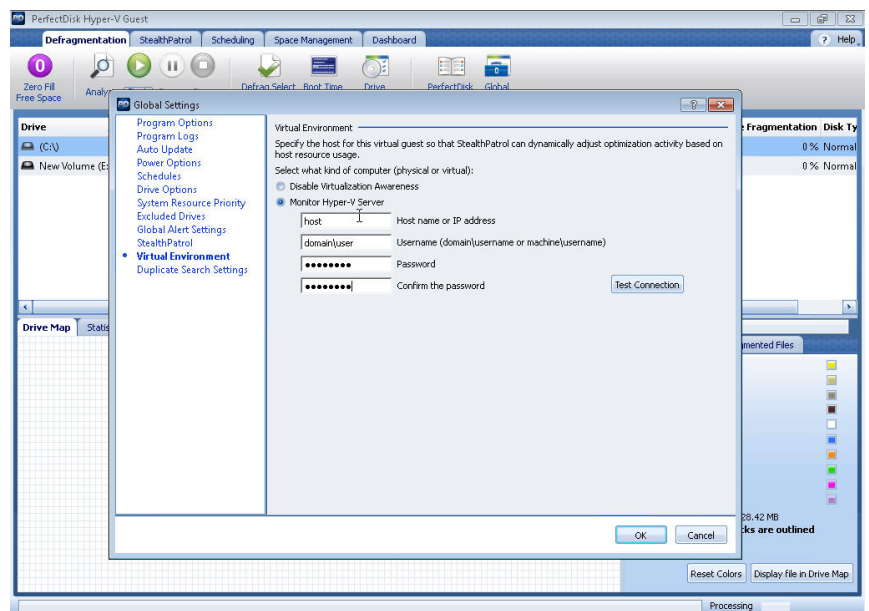
PerfectDisk's patented SMARTPlacement™ optimization strategy places files on disk drives according to usage patterns. This greatly reduces the rate of fragmentation and ensures future defragmentation passes run faster and utilize fewer resources than typical disk defragmenters. And PerfectDisk exclusive Space Restoration Technology™ ensures drives have the largest amount of contiguous free space available. This helps boost write performance in addition to read performance. No other defragmenter leaves larger blocks of free space than PerfectDisk – and it does it in a single pass. Standard defragmenters do not consolidate free space effectively, resulting in poorly utilized storage, disks that will fragment more quickly, and poorer write performance.

## Flexible Automatic Scheduling with unattended background defrag

PerfectDisk's exclusive AutoPilot Scheduling™ lets you decide when and how you want your PC and laptop defragmentation done – set it up once

### Highlights

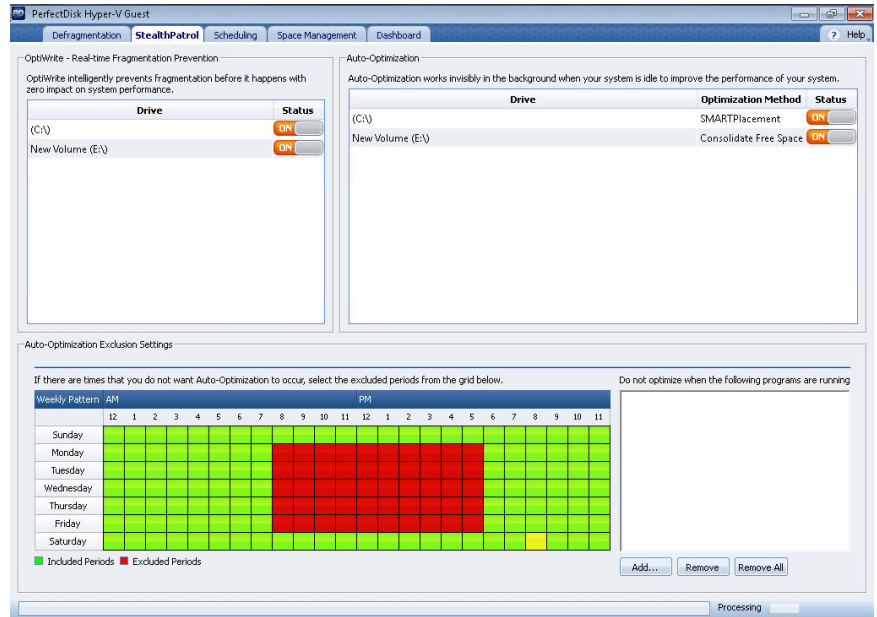
- Dramatically improve Hyper-V performance
- Eliminate Host and Guest I/O bottlenecks
- Automate shrinking of virtual disks
- Automatic background optimization w/ VIA Tech™
- Patented SMARTPlacement™ file optimization
- Certified for Server 2008 R2 with Hyper-V
- Host based licensing – Unlimited Guests
- Includes Enterprise Console License
- Space management reports



and you never have to think about it again. You can set up ongoing schedules based on time and date, or leverage the intelligence of PerfectDisk to automatically defragment drives during computer idle time with StealthPatrol™ unattended background defragmentation if scheduling is not convenient. There's also a Screen Saver mode for additional flexibility. It's defragmentation on your terms.

## Standard multi-gigabyte and multi-terabyte drive support

PerfectDisk defragments the very largest disk drives that are prevalent in today's operating environments – drives that range from several hundred gigabytes to several terabytes. Support for RAID and Volume Sets enables powerful defragmentation for the largest and most complex environments with large storage arrays and volumes. Because of this design, PerfectDisk not only defragments these large drives completely, but it does so up to twice as fast as other defragmenters, consolidates the drives' free space, and uses 80% fewer resources - at no extra cost.



## Total disk defragmentation and free space consolidation

PerfectDisk offers the most comprehensive solution for defragmentation by optimizing virtually every file on the system, including the Master File Table (MFT), all NTFS metadata files, paging files, directories, and data files, and completely consolidating free space. And it does it all in a single pass. There's also a File Defrag option that is useful for defragmenting very large files such as video files, rather than defragmenting the entire drive.

## S.M.A.R.T Monitoring

PerfectDisk provides a S.M.A.R.T. monitor to monitor the status of physical drives. It generates warnings and alerts for hardware performance and reliability, helping you ensure you are aware of any potential hardware problems.

## CPU and I/O – Control resource throttling

PerfectDisk provides resource throttling capabilities to manage resource usage as efficiently as possible. I/O throttling allows PerfectDisk to run on very busy disks without imposing additional load on the disk. CPU throttling allows you to raise or lower the CPU priority at which it runs. PerfectDisk uses very minimal CPU resources in its standard processing.

## Master File Table Placement for better computer performance

Only PerfectDisk optimally places the Master File Table (MFT) as recommended by Microsoft for improved performance. This can mean as much as a ten percent performance and productivity improvement.

## Additional Functionality for Power Users

PerfectDisk Professional provides capabilities beyond defragmentation for your storage management needs. Users can easily detect and delete duplicate files as well as see a bird's eye view of their drives with the Space Management

### Minimum System Requirements

#### Operating System:

Windows Server  
2012/2008/2003

#### VMware Workstation: Microsoft Hyper-V

Memory:  
64 MB  
(128 MB recommended)

#### File System:

NTFS  
exFAT  
FAT16  
FAT32  
RAID