



Disk Space Manager

The market-leading program for auto-managed management of files, disk drives, and volume sets.

Disk Allocation

As files are built, disk allocation occurs in segments, referred to as “extents”. This allows files to grow without using 100% of the full file size until data exists in the file. In addition, allocating disk space in extents allows a file to span multiple disk drives easily.

Unfortunately, the side effects of allocating disk space in extents can adversely affect performance. As programs

read files, unnecessary disk head movement can occur. This forces the program to wait for the file system to find the next extent of the file, relocate the disk head mechanism, and finally read the data.

Likewise, with hundreds of users, thousands of programs, and tens-of-thousands of files, disk drives can become so fragmented that there is no usable free space available to

complete the allocation. This will cause system downtime and performance issues.

Lastly, to reduce the number of disk allocations, the file system will allocate more disk space than is actually required for the file. Thus, files may use much more disk space than necessary. In fact, on many computers this “lost” disk space can easily add up to gigabytes of wasted space.

Benefits

- Improves performance
- Reclaims wasted disk space
- Reduces down time
- Reduces system management costs
- Expedites backups
- Eliminates I/O bottlenecks
- Automates disk space management tasks

Features

- Defragments disks online
- Combines files into single extents
- Spreads files across multiple disks
- Truncates files to reclaim wasted disk space beyond the end-of-file
- Populates new disks to rebalance I/O
- Manages file set for optimal performance
- Manages the whole volumeset in one command



Disk Space Manager provides a powerful "single command" approach to tackle complex disk space management issues.

The Disk Space Manager Solution

Disk Space Manager was created to address these specific disk management and performance issues.

First, Disk Space Manager allows files to be reallocated in a more efficient manner automatically. Regardless of the typical access method, sequential or random, reallocating files will help performance.

Second, Disk Space Manager can "defragment" disk drives, gathering small segments of free space and creating large segments. This provides the free space necessary for building and sorting files, and updating the OS.

Third, Disk Space Manager returns the disk space beyond the data of a file to the disk drive, avoiding the purchase of unnecessary disk drives. Disk Space Manager not only minimizes the cost of hardware, but also the cost of personnel to manage it.

Powerful Aggregate Function

Disk Space Manager provides a powerful "single command" approach to tackle complex disk space management issues.

With one "Manageset" command, the whole volume set is balanced and tuned. Wasted disk space is reclaimed, creating large volumes of useful free space.

Files are spread or combined according to file attributes and access patterns. This greatly reduces the number of disk read and write errors and balances files across all disk drives.

Disk Space Manager also provides this powerful feature at the file level. Users can tune a performance critical dataset using a single command.

Adding a new disk will create performance bottlenecks if disk space is not re-balanced. Disk Space Manager will populate and balance a new disk online with one command.

MPE/iX Integration

Disk Space Manager is fully integrated with MPE/iX's Transaction Manager (XM), ensuring complete safety and extremely fast performance. Furthermore, Disk Space Manager works safely with Netbase/iX and SharePlex/iX shadowing. MPE/iX Disk Mirroring, RAID, and EMC disk systems are also entirely supported.

Supported Operating Systems

MPE/iX 4.0, 4.5, 5.0, 5.5 and 6.0, including all PowerPatch levels and patches.

Other Solution-Soft Products

- Time Machine for MPE/iX, HP-UX, IBM AIX, Sun Solaris, NCR MP-RAS and Windows NT
- e-Space for MPE/iX
- e-Space available soon for HP-UX and Sun Solaris.

Ordering Information

For more information or to order a free demonstration copy, please call our sales office at (888) 884-7337 or visit our web site at www.solution-soft.com.



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