



RealTime Defrag (RTD/XP) From INTERCHIP AG

Delivering Disk Space Peace of Mind

If your company is overallocating disk space to avoid processing interruptions due to running out of disk storage, or would like to reduce the use of night batch and weekend maintenance windows, RealTime Defrag from INTERCHIP AG might provide a solution.

The use of disk storage continues to grow as companies store continuously increasing amounts of data due to growth, acquisition, or regulation. Disk storage is one of the largest items in any IT budget and an important asset to any company. As companies grow, make acquisitions, and comply with regulatory requirements, the need for additional disk storage also grows. Getting the most from this valuable resource keeps operations flowing smoothly, maintains quick access to data through both online and batch processing, and minimizes waste.

Two culprits that cause either wasted disk storage or performance impediments are the overallocation of disk space to avoid computer processing disruptions and disk fragmentation. Disk storage is similar to an office storage cabinet in which files of various sizes and data are stored. When a new office storage cabinet is placed into service, an entire drawer might be dedicated to holding data for people whose last names begin with the letter "A." By allocating the entire drawer to the letter "A," it will be a long time before more space is needed to hold data. However, it does require the purchasing of many office storage cabinets. Overallocation in this example eliminates the problem of filling the space in a short time, but it is accomplished at great cost.

Many IT storage managers are forced to overallocate disk storage to ensure there is enough space to accommodate the addition of business data for an extended period of time. If disk space is not overallocated and the file is filled, all processing that requires the use of that file is stopped, causing a huge disruption to the company's business processes. While the goal is accomplished, the cost is high.

The challenges of effectively managing disk storage are further exacerbated when an entire file or data within a file is deleted. When deletions occur, the space is made available for other data. However, the next piece of data to be inserted

into the file may not fit into the newly freed space, causing it to remain available but unused. As thousands of deletions occur, the amount of open space continues to increase. Some of this open space is automatically reused. However, since the size of each open space may not accommodate an entire piece of newly added data, the data is split and stored into multiple, non-contiguous pieces of open disk space, causing the file to become fragmented. While the data can still be accessed, the speed at which it can be accessed is impacted, causing slower real-time response time and lengthened processing for batch jobs.



RealTime Defrag (RTD/XP) is a proven product in use since 1995 that eliminates fragmentation and the need for overallocation of disk space. Running continuously and efficiently in the background, RTD/XP quickly reorganizes disk files, recovering available storage space and eliminating file and DASD fragmentation. Unlike standard operating system utilities, no batch or weekend maintenance jobs are needed. Disk storage waste caused by overallocation is eliminated, since files are continuously and automatically reorganized. RTD/XP can be customized to meet your defragmentation needs through a variety of parameters that take effect immediately. The newest version of RTD/XP also introduces the ability to compress Partitioned Data Sets (PDSs) before executing the Release function for the data set, and a Pacing parameter to regulate RTD/XP processing down to the function per volume level. **Z**

RealTime Defrag (RTD/XP) is available worldwide from INTERCHIP AG, Elektrastrasse 6, D-81925 Munich, Germany.
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