

RealTime Defrag

The Advanced Tool for z/OS Disk Space Management

Real Savings

Today the availability and reliability of your organization's data is critical to its success.

However, finding the time required to keep your systems operating efficiently often strains a data center's resources and its ability to meet service level agreements. In order to utilize available resources more efficiently, increasingly more computer centers are optimizing their disk space with RealTime Defrag (RTD).

RTD makes the impossible possible. Now you can have cost-effective, optimal utilization of disk space around the clock. RTD optimizes disk space permanently and automatically without affecting production and online operations. This way, you achieve considerable savings in terms of space and shorter processing times. Take a look at RTD and you'll soon see it pays for itself.

Recover Disk Space Around the Clock

RealTime Defrag for z/OS quickly, reliably, and economically makes more of your existing disk space. Batch windows at night and maintenance windows on weekends are freed of defrag runs that often take hours. RTD optimizes all disks according to your instructions, even those that are continuously accessed. In this way, particularly in cases of 24x7 operations, you achieve optimal management of the entire DASD environment. Production continues without interruptions. And disruptions due to too little disk space are as much a thing of the past as are deletion activities that have a negative impact on production and block access to the disks for other applications.

Optimize Automatically in Real-Time

RTD always makes certain that disk space is being utilized in the most economical way. RTD never takes a break. There's no need for manual involvement and costly advanced planning. Once started, RTD works behind the scenes, inconspicuously and automatically, continually and in small increments. This way, you can be assured that the space on your disks is put to optimal use. You save in terms of costs, avoid job disruptions, and can be assured of the best conditions when you access your files.

Customize to Production Standards

RTD works according to those criteria that are important to you. Whether those criteria are storage groups, volume names or file names, file attributes, or SMS classes, you control the processing. Parameters can be customized at any time, and your changes take effect immediately. In Simulation Mode, RTD reports scheduled actions without actually performing them. Disk space is then optimized in Active Mode. Simulation Mode can operate parallel to Active Mode. This way you can adapt RTD to new situations, step by step.

Proven Efficient DASD Management

RTD handles important DASD management tasks such as defragmentation, unused space release, and file extent reduction in one step. **RTD is the only product (hardware or software) available which provides these vital functions without negatively impacting z/OS production processing.** Efficient I/O techniques assure optimal performance. Applications that run in parallel are unaffected. With RTD's online reports you can monitor your success. At a glance, you know how much space you've saved, and can verify RTD's optimal use.

Advantage of New Opportunities in z/OS Disk Space Management

RealTime Defrag for z/OS:

- Guarantees optimal, cost-effective disk space utilization at all times, particularly in 24x7 operations
- Runs continuously, thus freeing you of long defrag runs during batch windows at night and maintenance windows on weekends
- Results in considerable savings in terms of both disk space and access times
- Prevents disruptions of jobs and production due to insufficient disk space and assures the best conditions when files are being accessed
- Usually pays for itself within one year
- Renders faster processing possible by combining separate file areas
- Works automatically and inconspicuously in the background in accordance with your instructions
- Supports you in your efforts to provide 24x7 service that is free of disruption
- Affords you the opportunity, in Simulation Mode, to plan for and test the best possible results for your production environment
- Monitors success via online reports
- Requires very little in terms of resources or CPU time
- RTD supports Release, CMA2TMA, Combine, and Defrag processing for datasets allocated on all z/OS supported DASD including EAV volumes.

Optional Features

Multiple Address Space (MAS) support allows large installations to process up to 28 volumes concurrently while automatically balancing I/O activity across the DASD configuration.

Fast Replication Option (FRO) provides support for FlashCopy Version 2 devices resulting in optimal I/O performance, reduced CPU utilization and minimal dataset enqueue times.

Preserve Mirror (PM) support provides full support for devices using Remote Pair FlashCopy (Preserve Mirror) to maintain business continuity in z/OS environments with continuous dataset operations. Additional RTD selection filters and processing options allow the user to easily control this environment.

SPACEREL provides release of free extents on extent space efficient (ESE) volumes back to the extent pool. SPACEREL requests are executed through the SPACEREL service provided by ANTRQST. Full RTD scheduling and selection criteria, including masking, are supported.

CHKVOL performs an integrity check on a volume's VTOC prior to any subsequent processing. CHKVOL analyzes the volume's VTOC and detects unaccounted tracks as well as overlapping files. If the REPAIR option is activated, RTD will return any unaccounted tracks to the volume's free space map in the Indexed VTOC. If overlapping files are detected, RTD will skip the volume and not process it any further.

Global Success

INTERCHIP AG has been developing efficient tools for storage management for more than 30 years. Our solutions are used successfully throughout the world. With RTD we carry on the tradition of developing powerful software in close collaboration with our clients.

Arrange for a 30-day, free trial installation and see for yourself the considerable advantages RTD has to offer.

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