fdso

FAST DATA SET ORGANIZER FOR VSAM, SEQUENTIAL, AND PDSS

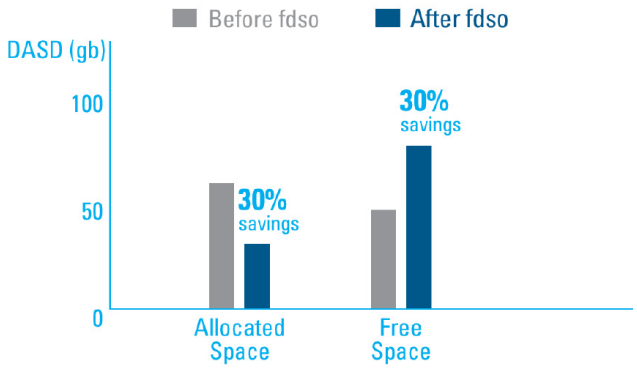
fdso (Fast Data Set Organizer) is a comprehensive, high-speed DASD management tool that has been engineered for maximum efficiency and flexibility. It provides powerful, effective solutions for reorganizing and maintaining data sets and DASD volumes across the entire enterprise. Now one tool can be used to process all types of data sets in SMS, non-SMS, or mixed environments.

fdso offers the following features to improve the efficiency, reliability, and productivity of any OS/390 or z/OS environment:

DATA SET MAINTENANCE

fdso supports the management and maintenance of data sets, including the reallocation of VSAM and non-VSAM files, the defragmentation of individual data sets or DASD pools, the release of unused space, and the conversion to or from SMS. fdso reclaims DASD space by compressing and releasing wasted PDS space. Additionally, DASD space wasted by allocated but unused data sets and underused data sets can be reclaimed for all supported data set types.

DASD SAVINGS USING FDSO



STANDARDS ENFORCEMENT

This includes exception reporting and correction for data set naming, size, placement, and utilization.

ENTERPRISE-WIDE PDS MANAGEMENT

fdso supports PDS management, offering verification, compression, and directory block optimization.

CATALOG AND VOLUME MAINTENANCE

fdso supports extensive catalog error checking and diagnosis, catalog and volume-level "scratch" functions, and the ability to uncatalog and recatalog data sets.

DATA SET FLEXIBILITY

Many applications are possible through fdso's multifaceted approach to data set management. Its combination of power and flexibility frees users from the constraints inherent in less comprehensive data set management tools, and increases the effectiveness and efficiency of their applications.

SYSTEM ENHANCEMENT

In addition to fdso's unique functionality, an installation can exploit the intuitive design and low overhead of fdso by using it to replace or enhance older utilities not developed for today's environment.

- In an SMS environment, where the volume name may not be known, fdso can be used in place of IEHLIST to obtain detailed data set information.
- VSAM data sets exceeding a threshold number of CI or CA splits can automatically be redefined without having to use the much less efficient IDCAMS utility.
- Volume defragmentation products can reclaim significantly more space after fdso has compressed PDSs and recaptured wasted space within a volume.

FDSO TECHNICAL SUMMARY

fdso, an ultra-high-speed DASD management tool, offers an integrated platform for data set management, catalog maintenance, and reporting on an installation-wide basis. The combination of an extremely flexible control language and a rich set of operators presents a wide range of management possibilities. fdso can be used to completely automate many large, routine jobs, as well as to easily make small modifications or ad-hoc inquiries.

INTERNAL SCHEDULER

Using its highly efficient internal scheduler, fdso assigns work by volume to maximize throughput via multi-tasking and multi-processing. Once a volume has been selected, fdso automatically identifies the data sets, processes them, and generates any reports as requested.

INTUITIVE CONTROL LANGUAGE

fdso offers a powerful control language that allows a user to select either large quantities of data or small unique data sets, with intuitive control statements. Data set selection can be based on any combination of over one hundred different data set, volume, and SMS attributes, including name (maskable with wildcard selection characters), location, size, DCB characteristics, time, etc. If a user specifies generic selection criteria, all data sets matching those criteria are automatically processed by fdso.

DATA SET REPORTING

fdso offers a full spectrum of reports that provide detailed information about the current state of selected data sets in clear and easy-to-read formats. With a single fdso execution, a user can obtain comprehensive data set reports that would normally require running several utilities to collect and format the data. Using the powerful selection facility, users can easily tailor the fdso standard reports or define their own reports to meet specific needs such as:

- DASD Space Management
- Capacity Planning
- Resource Chargeback
- Disaster Recovery Planning
- Application Migration
- Management Reporting

FDSO JOBSTREAMS

The powerful selection facility and high-speed performance of fdso allows an installation to perform tasks not easily accomplished, or even possible, with other products.

An installation could establish fdso job streams to:

- Compress all PDSs on online DASD volumes and ensure that they have at least 20% free space and 10% free directory blocks before running the nightly update jobs.
- Reallocate all data sets belonging to a specified SMS data class that have gone into multiple extents.
- Ensure that all SMP/E data sets have at least 25% free space before installing maintenance.
- Identify data sets that do not meet installation naming or allocation specifications, and create extract data sets that can be easily downloaded for use in a PC-based executive information system.

INSTALLATION, HARDWARE/SOFTWARE REQUIREMENTS

fdso runs under any version of z/OS and includes support for ESCON, RAMAC devices, and SMS. fdso takes only a few minutes to install and requires no operating system modifications.

REDUCE WASTED DASD, CPU TIME, EXCPS, AND ELAPSED TIME WITH SEA'S FAST PACK

SEA's fastPack is comprised of 5 state-of-the-art DASD management tools. On the DSN and Volume level, pdsfast, fastgenr, fastvsam, and Fast Data Set Organizer (fdso) constitute a suite of ultra-high-speed DASD and data management solutions. Its powerful and flexible reporting facility provides management with an installation-wide view of the DASD subsystem that can be tailored to their needs (broken down by volume, storage group, unit type, pool, etc.)

On the member level, Fast Member Organizer (fmo) is a comprehensive, easy to use, high-speed, member-level monitoring and management tool that can dramatically reduce DASD space consumption by archiving unreferenced PDS members and by reusing disk space.

Using fastPack, installations can recover automatically from many out-of-space conditions during processing, backup huge volumes of VSAM data, defragment volumes incrementally without requiring exclusive access to the volume, and a whole host of other functions.

As transparent replacements for the IBM utilities IDCAMS, IEBCOPY, and IEBGENER, which are invoked thousands of times a day, the fastPack components can deliver significant resource savings.

With fastPack, SEA is uniquely positioned to help modern data centers not only maintain and maximize their investment in DASD but also improve their system performance, extend DASD capacity by up to 20%, and keep pace with its continued growth through improved automation and management.

SEA - SOFTWARE ENGINEERING OF AMERICA

Established in 1982, Software Engineering of America has built a global reputation as a leader in the field of data center software solutions. Over 10,000 data centers of all sizes and configurations are utilizing one or more of SEA's products, including 9 of the Fortune 10 as well as 425 of the Fortune 500 Companies.

SEA provides the highest quality technical support in the industry for all of its products, 24 hours a day, 7 days a week, worldwide.

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