

SEA

fastPack

DASD Data Management



User Driven Software Solutions Since 1982

SOFTWARE ENGINEERING OF AMERICA®

fastPack

The growth in demand of online processing in the last decade has translated almost entirely into increased resource requirements for the batch workload that supports this demand and the IT operations that manage this function. As Corporations have moved toward internet and online applications, the batch component that supports these processes continues to represent a vital aspect of the IT business. The batch work generally translates into asynchronous business processes that spin-off from the more immediate on-line transactions. However, these processes are increasingly becoming B2B; running 24/7 often having very high service level requirements.

SEA's FastPack is a proven technology helping data centers throughout the world, drastically reduce batch elapsed time and DASD resources of mission critical applications. FastPack delivers a rapid return on investment (ROI) and helps eliminate hidden costs by implementing advanced tuning strategies. The following are key benefits of using fastPack in the batch process:

- On the DSN and volume level, PDSfast, fastGENR, and fastVSAM offer 100% JCL-transparent, ultra-high-speed replacements for OEM products such as IEBCOPY, IEBGENER, and IDCAMS offering simultaneous reduction in both Elapsed time and CPU time (MIPS).
- Conserves resources and improves performance: CPU time, disk space, channel time, elapsed time, and staff hours.
- Compress, copy, unload and reload PDS datasets 10 to 100 times faster than IEBCOPY.
- Save disk space and improve partitioned data set (PDS) management: DASD space savings, intercepts STOW process, space reuse, access/audit control, usage monitoring, recording of accesses/updates of selected members in SMF and automatic LLA updates.

fastPack COMPONENTS

pdsfast/fmo

HIGH-SPEED, DASD MANAGEMENT, PDS MANAGEMENT, JCL-TRANSPARENT IEBCOPY REPLACEMENT

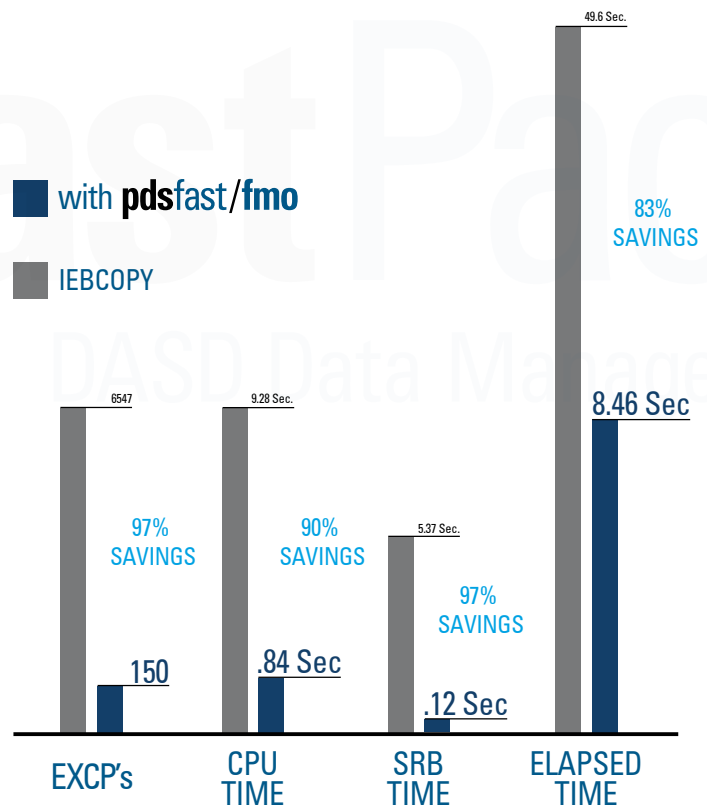
On the dataset level, pdsfast copies partitioned datasets, generally 50% to 90% faster than IEBCOPY, saving CPU, SRB, EXCP and elapsed times.

On the member level, pdsfast/fmo offers easy-to-use member-level monitoring and management.

pdsfast is the most comprehensive and cost-effective PDS management tool for the IBM z/OS environment. Most of these savings are derived from the thousands of times a day that OEM DASD management products such as DFDSS, HSM, and SMP/E dynamically invoke IEBCOPY. These behind-the-scenes jobs are hidden not only from the user, but also from SMF, which instead bills the invoking utility.

MORE FUNCTIONS THAN IEBCOPY

pdsfast handles all IEBCOPY and ISPF functions, including ALTERMOD, COPYGRP, and COPYMOD, plus features not available from IEBCOPY and other PDS utilities, such as:



Compress, Copy, Unload & Reload PDS Datasets
10 to 100 Times Faster than IEBCOPY

- Auto Features for data set space management
- Automatic LLA refresh option
- Recovery of deleted or replaced members
- Deletion of all members from a data set at once
- Checking a data set for errors and collecting statistics on wasted space, without doing a compress
- Selecting, renaming, and deleting groups of members
- Copying PDS members to a sequential file
- MAPPING member start/end addresses, dead space, and summary statistics

fastgenr

HIGH-SPEED, JCL-TRANSPARENT IEBCGENER REPLACEMENT

fastGENR copies sequential data sets and members of partitioned data sets, generally 50% to 90% faster than IEBCGENER, saving CPU, SRB, EXCP and elapsed times.

The larger the data set, the larger the savings you can obtain by using fastGENR. However, regardless of data set size, fastGENR offers added value through its useful diagnostic information, expanded printout, and enhanced copy features that significantly improve data reliability and programmer productivity.

fastGENR's wide-ranging set of productivity and data-integrity features includes:

- Multiple Input/Output Capacity
- Unlike DCB Attribute Copy Feature
- Elimination of concatenated data set order restrictions
- User Communication Data Area
- Easy Customization of product on an installation and/or job level

fastvsam

HIGH-SPEED, JCL-TRANSPARENT IDCAMS-REPRO, EXPORT/IMPORT REPLACEMENT & VSAM COPY FACILITY WITH BACKUP/RESTORE

fastVSAM is a high-speed, JCL-transparent VSAM Copy Facility with Backup/Restore capability.

fastVSAM transparently replaces IDCAMS REPRO, EXPORT, and IMPORT commands, and reduces the time and resources required for VSAM copy and Export/Import procedures by 50% or more. fastVSAM will provide significant savings in time and money for every installation that uses VSAM.

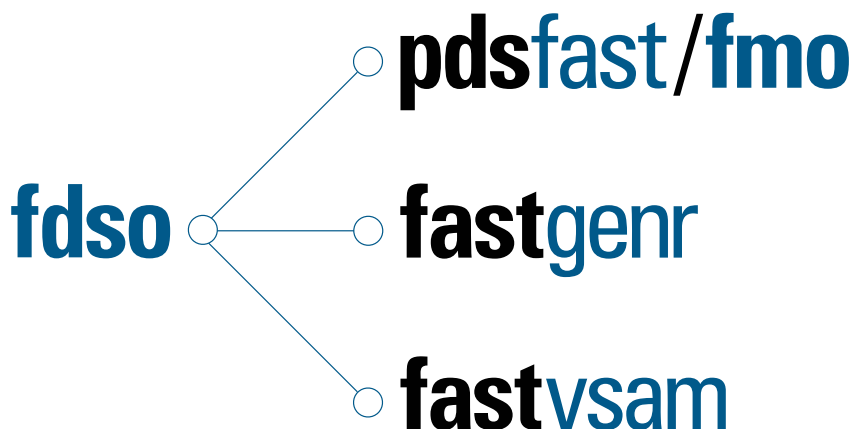
fastVSAM's highly efficient Backup and Restore Facility manages all file components as a single unit across multiple volumes and clusters.

High-speed logic and command flexibility save fastVSAM users time and money during VSAM management and maintenance tasks.

The larger the data set, the greater the savings. fastVSAM is compatible with SMP, SMP/E, DFSS, SMS, and RACF. fastVSAM, installs in minutes, requires no JCL changes, and supports all VSAM formats.

fdso

FDSO integrates and extends the power of these components to offer a comprehensive DASD-management and reporting package, effectively using one tool for all types of data sets in SMS, non-SMS, and mixed environments. Fdso helps by: re-locating VSAM and non-VSAM files, incrementally reclaiming wasted space on an active volume (saving more than 30% of DASD utilization), producing exception reports related to incorrect data set naming, size, placement, and utilization, and catalog error checking/diagnosis.



FDSO, is a fastPack component that provides 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 present a wide range of management options.

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. For example, 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.

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. Dataset selection can be based on any combination of over one hundred different dataset, volume and SMS attributes, including name (mask-able 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

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Established in 1982, Software Engineering of America (SEA) has built a worldwide reputation as a leading provider of IBM Mainframe and IBM i optimization, automation and security solutions with products licensed at thousands of enterprises worldwide, including 9 of the Fortune 10 and over 85% of the Fortune 500. SEA provides a full line of mainframe solutions covering all aspects of automation and optimization including Batch Performance & Optimization, JCL Management, Report & Output Management, RACF Security Management, Console Automation and a full line of IBM i Security and System Monitoring solutions.