

FDRMOVE (INCLUDING FDRPAS) DATASET MOVE & VOLUME CONSOLIDATION

z/OS Storage Management



With the continued introduction of newer, higher capacity disk volumes, many sites now have one or more types of 3390 disk available. Consolidating the smaller disks onto fewer, higher capacity disks is a delicate operation, requiring the minimum of disruption to users and applications...

FDRMOVE (Including FDRPAS)

FDRMOVE, which includes FDRPAS, provides non-disruptive or minimally-disruptive movement of your data and is ideal for consolidating small devices to larger devices (e.g. 3390-3 to 3390-9).

FDRPAS, which is also available separately, can non-disruptively migrate whole DASD volumes.

FDRMOVE: "MOVE"

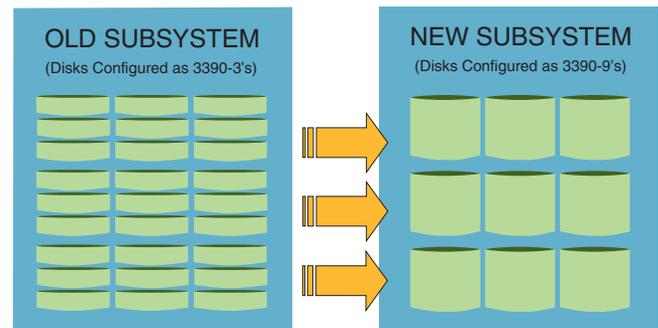
In many installations, a large percentage of data sets become inactive (not in use) over a period of time, and typically remain inactive for some time. The MOVE function of FDRMOVE is ideal for automating the movement of these data sets with no impact on day-to-day operations.

FDRMOVE: "FASTMOVE"

The "FASTMOVE" operation is designed for moving data sets that remain active for long periods of time and which cannot tolerate more than a few seconds of downtime.

Summary Of Operation

- FDRMOVE operates at the data set level, and builds on the proven technology of FDRPAS and FDRINSTANT to provide non-disruptive or minimally-disruptive movement of data.
- FDRMOVE supports single and multi-volume VSAM and non-VSAM data sets, on SMS and non-SMS volumes.
- FDRMOVE is very easy to use and is ideal for consolidating small devices to larger devices (e.g. 3390-3 to 3390-9).



Performance Examples

FDRMOVE's performance is influenced by the number and size of data sets being moved. Here are two examples from recent tests:

Ex 1: 250 data sets, 1TB of data, 16 volumes

- Using "instant" technology, FDRMOVE (FASTMOVE) we moved 1TB of data in approximately one minute.

Ex 2: 25,000 DB2 datasets, 120GB, 14 volumes

- Using FDRMOVE (MOVE) we moved 25,000 DB2 data sets in just over 8 minutes.

FDRMOVE (INCLUDING FDRPAS)

DATASET MOVE & VOLUME CONSOLIDATION



FDRMOVE: “MOVE” (continued)

The FDRMOVE “MOVE” operation moves data sets from the source volume(s) across to new volume(s) in the target disk subsystem using high-performance I/O. It moves all the inactive data sets, and then waits for your active data sets to become inactive, moving them as soon as they become available.

Because of the speed of FASTMOVE, it is often possible to simply “bounce” a long-running application (stop and start it). This is often sufficient time for FASTMOVE to get in and move the inactive data sets from the transit volumes over to the eventual target disks. The downtime of the application is kept to an absolute minimum.



FDRMOVE: “FASTMOVE” (continued)

The “FASTMOVE” operation uses FDRPAS to non-disruptively copy the source volumes onto temporary “transit volumes” in the target subsystem. It then uses data replication facilities within the new DASD subsystem (e.g. FlashCopy, EMCSNAP or SnapShot Copy), to copy the selected data sets from the temporary “transit volumes” to their eventual target disks as soon as those data sets become available.



Dynamic Allocation Exit

To ensure minimal disruption during the move process, FDRMOVE’s Dynamic Allocation Exit ensures that applications such as DB2 wait while a dataset is being moved by FDRMOVE (rather than fail with an immediate error).



“SIMMOVE” & “EXPANDVTOC”

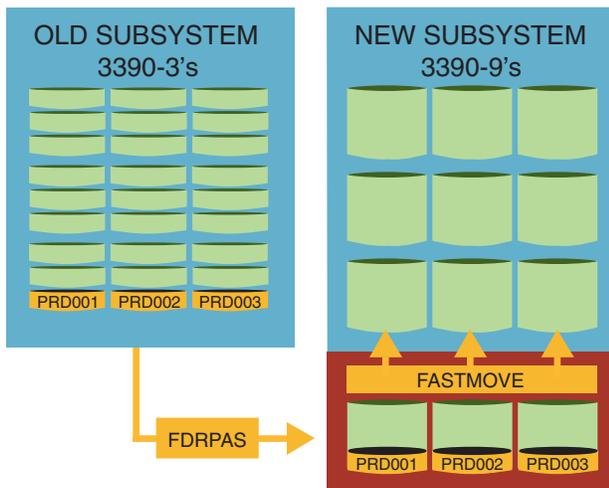
FDRMOVE includes two additional commands:

- The SIMMOVE command validates your control statements and identifies which jobs or users are using a data set.
- The EXPANDVTOC feature allows you to expand the VTOC on a volume, even if there are active data sets on the volume.



User Quote

“We needed to migrate 300 3390-3s to 100 3390-9s. Over a period of just 3 nights, 90% of the data sets were moved across to the 3390-9s with FDRMOVE (MOVE). We then completed the migration using (FASTMOVE)...”



Want to Know More About FDRMOVE? For a No-Obligation FREE Trial or to request a FREE Concepts & Facilities Guide, ask your local sales representative or visit: <http://www.innovationdp.fdr.com>



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