

# FDRPAS

## NON-DISRUPTIVE DASD MIGRATION

### z/OS Storage Management



*The demand for 24x7 availability has never been greater. System outages due to the implementation of new DASD hardware, or the mass movement of data from one DASD subsystem to another, can no longer be tolerated.*

*Storage Managers need a tool that can migrate whole DASD volumes to new addresses with the minimum of disruption...*



#### Key Benefits

FDRPAS can reduce the disruption and application downtime generally associated with moving whole DASD volumes.

FDRPAS is a multi-purpose storage management tool with numerous uses, including:

- **When installing new DASD Hardware**  
FDRPAS eliminates the need to IPL in order to migrate DASD volumes to new technology. With FDRPAS you can move the data from existing volumes to the new hardware while those volumes are still in use.
- **For general data movement**  
With FDRPAS you can non-disruptively move terabytes of data during normal business hours without interrupting other system activity.
- **For I/O load balancing**  
You can use FDRPAS to re-arrange the contents of disk volumes within a subsystem, or across subsystems, to distribute the I/O load and improve performance.



#### Performance

On average, an FDRPAS SWAP of a 3390-3 can be completed in 3 to 5 minutes.

Multiple FDRPAS operations can be run simultaneously, allowing you to potentially move 100s of DASD volumes in a single day.



#### Volume Migration (FDRPAS)

FDRPAS can perform a non-disruptive movement of a z/OS disk volume from one disk device to another.

Any users or application programs that are using the volume can continue to safely allocate new data sets, or read, update and delete existing data sets, with no disruption to their own processing....*(continued over)*



#### Volume Consolidation (FDRMOVE)

As well as being available as a separate product, FDRPAS is also included with FDRMOVE.



FDRMOVE can help you to consolidate your data onto fewer DASD volumes with the minimum of disruption (e.g. 3390-3 to 3390-9).

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### Volume Support

FDRPAS can move volumes within a single system image, or volumes attached to multiple systems or LPARs in a shared-DASD Complex or Sysplex, whether locally or remotely attached. Multiple volumes can be swapped concurrently.

FDRPAS supports a wide variety of disk devices from hardware vendors including IBM, EMC, Sun StorageTek and Hitachi.

It can swap disk volumes between disks of the same type from the same hardware vendor, or between disks supplied by different vendors.

FDRPAS can swap any z/OS volume including the SYSRES, other system volumes, SMS managed volumes, and volumes containing open catalogs, CICS data, application data bases, RACF databases, Tape Management Catalogs and TSO data sets.

### Moving Up to Larger Disks

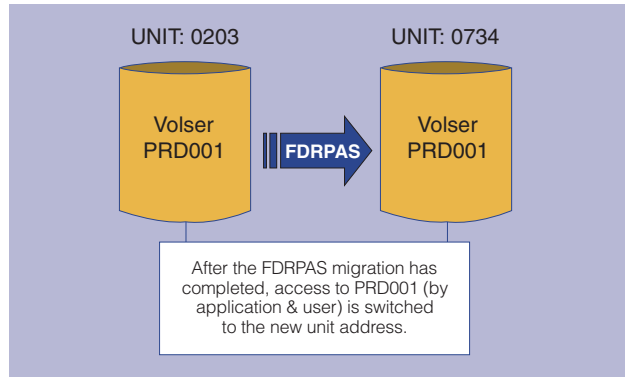
FDRPAS can even move a disk device to another disk of the same or higher capacity (e.g. a 3390-3 to a 3390-3, or higher), automatically updating the z/OS VTOC and VTOC Index on the target to make the additional capacity available as free space.

### Consolidating Small-to-Large Disks

If you have several disks that you wish to consolidate onto single larger disk (e.g. three 3390-3's to a 3390-9), you can use FDRPAS in concert with FDRMOVE to migrate your data with the minimum of disruption.

### Non-Disruptive Migration

FDRPAS is truly non-disruptive. The operating system, application jobs, online systems and users will be unaware that FDRPAS is swapping disk volumes to new disk devices.



When FDRPAS completes the swap of a disk, the volume resides completely on the new device, and the original device is no longer required. When all volumes on an old disk subsystem are moved to new locations with FDRPAS, the old subsystem can be powered off and disconnected.

### User Quotes

*"Using a single job (with MAXTASK=20) it took just 1 hour to move 600 volumes (1.6TB) between two EMC subsystems connected via 8 FICON channels..."*

*"FDRPAS managed to move 400 3390-3's, which were on average 60% allocated, in just 160 minutes..."*

**Want to Know More About FDRPAS?** 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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