

# FDRPAS

## NON-DISRUPTIVE DASD MIGRATION

z/OS Storage Management



*Moving your DASD volumes around or replacing an entire subsystem, can be a serious business, but it need not take a serious amount of time.*

*With its enhanced ISPF panels and powerful simulation features, FDRPAS offers a fast, effective and easy-to-use solution for large-scale and ad-hoc DASD migration projects...*



### Key Benefits

FDRPAS reduces the disruption and application downtime generally associated with moving whole DASD volumes. It is a multi-purpose storage management tool with numerous uses including:

- **When installing new DASD Hardware**  
With FDRPAS you can move your data from existing volumes to new hardware while those volumes are still in use, and without the need for an IPL, making it the ideal tool for large-scale DASD migration.
- **For general data movement**  
With FDRPAS you can non-disruptively move terabytes of data during normal business hours without interrupting other system activity and while continuing to meet service levels, making it the perfect solution for any ad-hoc data movement and migration.
- **For I/O load balancing**  
You can use FDRPAS to rearrange the disk volumes within a subsystem or across subsystems to distribute the I/O load and improve performance.



### 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.



### 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. 3390-9 to 3390-27, 3390-54 or EAVs).



### User Experience

System	Completed		Elapsed Time	
	Volumes	TB	Migrating	TB/Hour
KTA4	201	1.71	0:48:39	2.64
KTA5	709	6.04	1:36:23	3.82
KTA6	521	4.44	0:44:10	6.25
SHARED	317	2.70	0:27:34	5.98
<b>Total</b>	<b>1748</b>	<b>14.89</b>	<b>3:36:46</b>	<b>4.12</b>

↑ **Moved 14 TB of Data**
↑ **4 TB Per Hour**

**Non-Disruptively**

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### Performance

On average, FDRPAS can SWAP a 3390-3 in less than 3 minutes. Multiple SWAPs can be run simultaneously, allowing you to potentially move 100s of DASD volumes in a matter of hours.



### Volume Support

FDRPAS can swap almost any z/OS DASD volume, including:

- The SYSRES and other system volumes (including JES Checkpoint and Spool volumes)
- Volumes containing ICF Catalogs (including master catalogs)
- SMS-managed volumes
- CICS volumes
- Volumes containing the RACF database or Tape Management System catalog

FDRPAS supports the DASD subsystems from all major hardware vendors and the SWAP process can operate across vendor platforms, easing the conversion or migration from one vendor's subsystem to another.



### Moving Up to Larger Disks

FDRPAS can move to another disk of the same or higher capacity (e.g. a 3390-27 to a 3390-27 or higher), automatically updating the z/OS VTOC and VTOC Index on the target to make the additional capacity available as free space.



### Ease-Of-Use (ISPF Panels)

The ISPF panels make the migration process easy and straight-forward. The main panel (shown below) generates the statements to SWAP any number of volumes or an entire controller. The pull-down MENU option reveals all the FDRPAS commands.

```
..... FDRPAS Plug & Swap ..... Row 1 to 2 of 2
COMMAND ==> Swap SCROLL ==> PAGE
MENU Command Panel: 1 of 3
Refresh 0
-----
Volume Unit SMS Swap to
Serial Addr CU Storage Offline
Mask Mask SSID Serial Group Unit Status
-----
HI17CC 17CC 9970 22398 17CA ACTIVE SWAP 89%
HI17C2 17C2 9970 22398 17C1 ACTIVE SWAP 43%
```



### SIMSWAPMON

The simulation feature performs extended checking, including:

- Starting Monitor tasks on all other systems accessing the source volume
- Confirming that the target volume sizes are equal or higher than the source volumes
- Confirming that the target volume is offline



### CHECKSOURCE=YES

Performs extensive checks on source volumes to detect error conditions such as duplicate VVDS, VVDS with incorrect serial and overlapping data set extents.



### Online Web Demo

Watch the FDRPAS demo on the Innovation website and you'll see how simple the process can be!



**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/cfguides>



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