

FDRPAS V5.4 L80

Swapping Large Numbers Of Volumes – Improvements in the design and better integration with system services allows FDRPAS to be more robust and provide the ability to process a larger number of volumes concurrently, providing substantial savings in time to SWAP volumes.

These improvements include:

Generate JCL and Control Statements – A new technique (GENSWAP) for generating the control statements for SWAP processes allows a simpler method in migrating a complete SSID or Control Unit. This process generates the necessary control statements for the SIMSWAP, SIMSWAPMON, MONITOR, and SWAP processes. The GENSWAP command sorts all the specified devices by size, control unit, then by SSID and spreads the jobs across the SSIDs to reduce contention. The GENSWAP command creates the JCL and control statements for both the main task and the MONITOR task to ensure they are consistent and in agreement.

MONITOR Started Tasks – Creating MONITOR tasks as Started Tasks (STCs) allows more MONITOR tasks to be run simultaneously without tying up initiators.

SWAP Job Limit Increased to 64 Volumes – The prior limit of swapping 32 volumes in a single SWAP job has been increased to 64 volumes.

Substantial reduction in overhead by the SWAP tasks allowing 5000 SWAP tasks running simultaneously on a single LPAR.

The volers of target and source volume can be flipped once a SWAP has completed to better work with products such as Global Mirror for z/Series (XRC), GDPS, and others. This is accomplished with the COPYVOLID=YES,VOLRESET=NO operands on the SWAP command.

Volume Limit Increased To 15,000+ Volumes – The prior limit of swapping 10,000+ volumes at the same time has been increased to 15,000+ volumes for FDRPAS SWAP operations. This is especially useful for, but not limited to SWAP processes including: HyperSwap, GDPS, Consistency Groups, and moving a large number of volumes at a set point-in-time. This can also be useful for moving an entire data center to a new location.

Performance Enhancements During SWAP For PAV – Improvements have been made in the channel programs to reduce I/O wait time during the SWAP operation for PAV volumes. This improves user processing times of very active volumes utilizing PAV, while FDRPAS is migrating a volume.

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