IBM IMS High Performance Image Copy for z/OS, Version 4.1

Highlights

- ***Reduces the amount of time a database is unavailable during image copy and recovery by leveraging FlashCopy®, SnapShot® copy and concurrent copy***
- ***Minimizes CPU utilization and elapsed time by using High Performance (HP) Input/Output function for read and write processing***
- ***Decreases the need for Job Control Language handling when restarting by performing automatic checkpoint/restart***
- ***Reduces need to manually stop and start databases by interfacing with the IMS Tools Online System Interface***

Saves media space and time

Image copies are essential to the timely recovery of databases after a loss of data or programming mistake. However, taking data offline can reduce user productivity and negatively impact your business. IBM IMS™ High Performance Image Copy for z/OS®, Version 4.1, helps you speed recovery time by supporting quick copy and restarting methods. As a result, you can help users become more productive and avoid expensive losses from missed business opportunities.

Supports advanced copy services

IMS High Performance Image Copy helps you rapidly back up and recover database data sets by providing support for advanced copying features, such as concurrent copy, FlashCopy and SnapShot copy. Concurrent copy is a storage subsystem extended function that reduces downtime for database data sets while applications are updating the data. Concurrent copy supplies you with point-in-time data consistency, delivering a copy of the data as it existed at the time the logical copy was made. FlashCopy support for IBM TotalStorage® Enterprise Storage Server® and IBM TotalStorage DS8000 devices (and similar support for third-party devices) and SnapShot copy support for IBM RAMAC® (Random Access Method of Accounting and Control) Virtual Array (RVA) devices minimize database outages for creating image copies. SnapShot and FlashCopy provide you with a rapid backup of a database data set and a rapid recovery of the database data set when necessary.

Reduces image copy and recovery time

By utilizing the FlashCopy and SnapShot copy features, IMS High Performance Image Copy creates a new, fast recovery image copy in a small fraction of the time previously required to create a standard image copy. The fast recovery image copy feature drastically reduces the time required to recover a broken database. The latest version of IMS High Performance Image Copy also:

- ***Reduces elapsed time and CPU utilization.*** *IMS High Performance Image Copy minimizes CPU utilization for image copy and reduces elapsed time, especially on the read-side of VSAM database data sets by exploiting the High Performance (HP) Input/Output function for read and write processing. The HP Input/Output function is an option for all sequential direct-access storage device (DASD) input and output operations for the IMS HP Image Copy tool.*
- ***Provides automatic checkpoint and restart.*** *The tool decreases the need for Job Control Language (JCL) handling when image copies fail by using the new automatic checkpoint/restart feature. You can restart failed image copy jobs by resubmitting the same job stream. No alterations to the job stream are necessary, which avoids duplicating previously successful image copies.*
- ***Stops and starts database automatically.*** *IMS High Performance Image Copy also enables automated operations for initiating nonconcurrent image copies through the IMS Tools Online System Interface. It allows a seamless and automated method so that the database image is available and in the appropriate state. Using this interface, a database can be taken offline prior to the image copy, then brought back online after the image copy is complete. This interface works within the Plex (IMSplex or data sharing group) to bring the database offline on every system prior to the image copy and then back online on every system once the image copy is complete.*

System considerations

IBM IMS High Performance Image Copy for z/OS, Version 4.1, supports IMS Versions that are currently available (5655-B01 IMS V7.1 with PTF UQ63844; 5655-C56 IMS V8.1 with PTF UQ64888; and 5655-J38 IMS V9.1) and requires SMP/E for installation. It runs under IBM z/OS. IMS High Performance Pointer Checker for z/OS, Version 2 with PTF UQ93559 and APAR PK07708 is required for a full-function IMS database HASH check. IBM IMS Fast Path Basic Tools for z/OS, Version 1.2, or IBM IMS High Performance Fast Path Utilities for z/OS, Version 2 is required to perform a HASH Check on Fast Path data-entry databases.

For more information

Please contact your IBM marketing representative or IBM Business Partner, or call 1-800 IBM CALL within the U.S.

Also visit our Web site at:
ibm.com/software/data/db2imstools

When ordering IBM IMS High Performance Image Copy for z/OS, V4.1, please refer to program number: 5655-N45.

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