IBM

IBM IMS Database Recovery Facility for z/OS, Version 3.1

Highlights

■ ***Recovers database data sets and Fast Path areas quickly, increasing availability of data***

■ ***Helps you verify availability of data recovery assets during process of recovery, saving management time***

■ ***Applies database changes to multiple database data sets simultaneously***

■ ***Causes no IMS™ slowdown, improving end-user productivity***

Recovery breakthrough

When the need arises to recover and process IMS data from an earlier point in time, IBM IMS Database Recovery Facility for z/OS®, Version 3.1, can make a major difference to your database management organization.

A functionally rich and affordable IMS facility, IMS Database Recovery Facility provides database recovery processing in both online and batch IMS environments, having no impact on IMS database resources, even in the online environment.

Because IMS Database Recovery Facility applies only committed updates, there is no need to quiesce or deallocate databases, introducing an important breakthrough in recovery services. End users can continue their work uninterruptedly, helping them to maintain their productivity.

Improving management and user productivity

IMS Database Recovery Facility provides the capability to automatically invoke the following IBM IMS Tools and utilities during the recovery process:

- *IBM IMS High Performance Image Copy to create image copies*
- *IBM IMS Index Builder to rebuild primary and secondary index data sets*
- *IBM IMS High Performance Pointer Checker to validate database consistency*
- *The IMS HALDB DFSPREC0 utility to rebuild the HALDB Primary Index data set and Index List data set*

Duplicating databases

IMS Database Recovery Facility enables you to perform application program testing, audit and database recovery all at once. This helps you improve productivity for your database administrators (DBAs) as well as for your end users by providing the capability to recover directly to database copies or image copies.

Recovery processing

IMS Database Recovery Facility allows you to recover multiple database data sets simultaneously. The product works to help you maintain efficiency by:

- *Reading image copies, logs and change accumulation data sets in parallel.*
- *Reading each input only once, even when recovering multiple data sets.*
- *Applying database changes to multiple database data sets simultaneously, speeding recovery by using parallel processes and reducing I/O.*

Using incomplete change accumulation data sets

Change accumulation data sets may be used, but are never required before a recovery, even in data sharing environments. IMS Database Recovery Facility recovers shared IMS databases directly from image copies and log data if change accumulation data sets are not available. In fact, IMS Database Recovery Facility uses incomplete change accumulation data sets for recovery if they are the latest copy available.

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Easy-to-use interface

IMS Database Recovery Facility runs in parallel with normal online database and transaction activities. You control the process using commands within a simple, intuitive interface.

Rich functionality in a recovery management tool

IMS Database Recovery Facility can be used to recover both full-function database data sets and Fast Path DEDB areas, and it works in both Parallel Sysplex® and non-Parallel Sysplex environments.

IMS Database Recovery Facility also:

- *Performs timestamp forward recovery, with timestamps that are not restricted to allocation boundaries.*
- *Starts databases and areas automatically after recovery on all applicable IMS systems, or on the IMS system that is performing recovery.*
- *Manages database recovery; online invocation works with the IMS Automated Operator Interface.*
- *Initiates itself automatically with the submission of an MVS™ batch job that does not require an active IMS Region.*
- *Provides enhanced reporting for analysis of recovery execution and for summaries of all open units of work that contain updates not applied in database recovery to an earlier point in time.*
- *Generates a setup report/list without running the recovery process.*
- *Utilizes parallel and concurrent processing to provide dramatic gains in performance.*
- *Recovers directly from secondary log and image copy data sets for disaster recovery processing.*

System considerations

IMS Database Recovery Facility for z/OS, Version 3.1, runs in conjunction with IMS Versions 8 and 9. In addition, it runs on any IBM S/390® hardware configuration that supports the required versions of IMS. IMS Database Recovery Facility requires SMP/E for installation. It also requires DFSORT™, an optional feature of OS/390® Version 2.10 (5647-A01) or of z/OS Version 1.1 (5694-A01), or a functionally equivalent sort program.

The following products are not required for the basic function of IMS Database Recovery Facility but are needed at run time to use specific functions: IBM IMS High Performance Pointer Checker; IBM IMS Index Builder; IBM IMS High Performance Fast Path Utilities; IBM IMS High Performance Image Copy.

For more information

Please contact your IBM marketing representative or IBM Business Partner or visit: **ibm.com**/software/data/db2imstools/

When ordering, please note the following program numbers:

- *IMS Database Recovery Facility for z/OS: 5655-N47*
- *IMS HP Pointer Checker for z/OS: 5655-K53*
- *IMS Index Builder for z/OS: 5655-E24*
- *IMS HP Fast Path Utilities for z/OS: 5655-K94*
- *IMS HP Image Copy for z/OS: 5655-N45*