IBM

IBM IMS Online Reorganization Facility for z/OS, Version 1.1

Highlights

■ *Allows full-function databases to be reorganized while still accessible from online systems*

■ *Reduces database downtime from hours to seconds*

■ *Improves DBA productivity through single-step reorganization process*

■ *Implements changes automatically across all online systems*

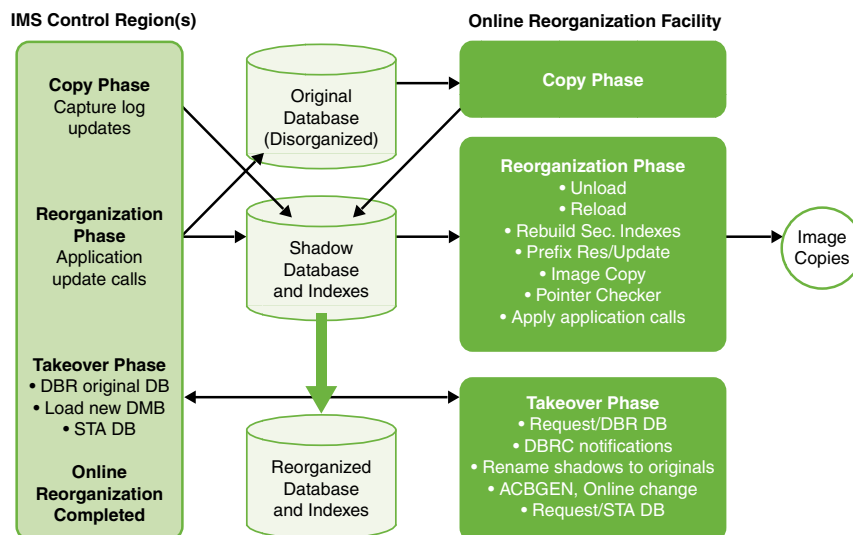■ *Eliminates the need for operator intervention after reorganization finishes*

Maximizing database availability

Your IBM IMS™ database is your most critical asset. Users across your organization depend on it every day to perform their jobs effectively. The need for continuous operation of your IMS system is therefore more than a goal — it's a strategic imperative.

That's where IBM IMS Online Reorganization Facility for z/OS® can add real value to your business. IMS Online Reorganization Facility provides the fastest and most efficient method for reorganizing full-function databases in IMS online environments.

Streamlining the reorganization process

This high-performance tool not only reduces downtime from hours to seconds, it also increases database administrator (DBA) productivity and efficiency with a single-step reorganization process — it can implement changes automatically across all online systems without the need for manual intervention afterwards. The single-step reorganization process can be used for all full-function databases, greatly reducing the complexity of the job completion language (JCL) needed to perform the many steps of the reorganization process. IMS Online Reorganization Facility further reduces DBA workloads by allowing basically the same JCL for all databases.

IBM IMS Online Reorganization Facility implements changes automatically across all online systems in a single-step reorganization process.

ON DEMAND BUSINESS™

Features

With the IMS Online Reorganization Facility you can:

- *Reorganize HISAM, SHISAM, HIDAM, HDAM, PHIDAM and PHDAM databases.*
- *Make selected DBD changes d uring the reorganization process, automatically propagating the changes to the participating online systems without manual intervention.*
- *Define the period when takeover time occurs, specifying a less critical time window for when the database is unavailable.*
- *Automatically create and define the shadow data sets based on the existing database data sets:*
  - *SMS allocation uses the same SMS constructs and candidate volumes.*
  - *Non-SMS allocation uses the same volume serials.*
- *Allows a user exit to be specified during load, which can be used to do such things as purge or change data.*

Reorganizing to shadow data sets

Using IMS Online Reorganization Facility, you can reorganize the database to shadow data sets. It captures the changes during this period and applies them to the reorganized shadow data sets. In doing so, the shadow data sets become the reorganized database data sets. The database is unavailable for a short period of time, called takeover time, when renaming the shadow data sets.

The IBM On Demand operating environment

IMS Online Reorganization Facility has strong ties to On Demand strategy from IBM. Not only are the tools integrated with each other and with the databases they support, many of the products have autonomic characteristics that reduce the complexity of IT environments.

System requirements

Mandatory requirements:

- *IMS High Performance Unload for OS/390® (5655-E06)*
- *IMS High Performance Load for z/OS, Version 2 (5655-M26) or later*
- *IMS High Performance Image Copy for z/OS, Version 3 (5655-K96) or later*
- *IMS Tools Online System Interface common code component (ships with IMS Online Reorganization Facility)*

Optional requirements:

- *IMS HP Prefix Resolution for z/OS, Version 3 (5655-M27) or later, is needed when the database has an internal logical relationship.*
- *IMS HP Pointer Checker for z/OS, Version 2 (5655-K53) is needed when requested for image copies.*

Why IBM

Companies can waste both time and money when databases are not regularly reorganized. IMS Online Reorganization Facility is the only tool on the market that addresses all of the challenges associated with the reorganization processes, minimizing database downtime while improving DBA productivity.

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 Online Reorganization Facility for z/OS, Version 1.1, please refer to program number 5655-H97.