

Rapidly unload, extract and repartition data.

IBM **Information Management** software



IBM Optim High Performance Unload for DB2 for Linux, UNIX and Windows

Highlights

- ***Move large volumes of data with speed, accuracy and less effort***
- ***Accomplish more processing in less time and adapt to tight or shrinking batch windows***
- ***Promote faster unloads and extracts to enhance the value of new hardware and software***
- ***Eliminate the need for intermediate storage during migrations***
- ***Recover a single table or tablespace from backup for restoration***

How can you manage large volumes of data cost-effectively?

As application databases continue to increase in size and number, it is becoming harder to manage the resulting batch processing overruns, skewed data, rising data migration costs and other factors that negatively impact business operations. With more applications requiring timely data access, processing through large volumes of data can increase costs for servicing these requests. Similarly, processes for extracting and moving large volumes of data become more complex and time consuming, making it difficult to complete unload processing in allocated batch windows.

To avoid negative consequences, unloads must often run concurrently in the production environment. Consequently, the tool you use to extract and move data can have a critical impact on the efficiency and uptime of your IT environment and directly impact your ability to satisfy service level agreements (SLAs).

Designed for maximum performance, ease of use and flexibility, IBM® Optim® High Performance Unload for DB2® for Linux®, UNIX® and Windows® offers high-speed, unload and extract capabilities needed to move data quickly and efficiently across enterprise systems. Optim High Performance Unload is designed to reduce the elapsed time of unloading DB2 data, which can often lead to reduced CPU usage. In limited lab testing using a single large table, IBM has measured up to a 10 times reduction in elapsed time over using DB2 Export alone. (These results were obtained in a controlled lab environment. Results in other environments will vary.)

With Optim High Performance Unload, DBAs can choose the precise data to move to a target destination, with lower risk of configuration mistakes, less demand on system resources and a more positive impact on business operations.

Manage high performance unloads and repartitioning

Optim High Performance Unload is designed to perform high-speed data unloads from multiple database partitions by reading directly from the tablespace file. To avoid contention for CPU resources that support production applications, Optim High Performance Unload can extract tables from full, offline backups including backups of SMS or DMS tablespaces or database backups. Optim High Performance Unload can also unload or restore using incremental backup images.

Optim High Performance Unload streamlines processes with capabilities for creating multiple types of output during a single unload. For example, choose output to files, pipes, or other devices and support multiple output formats, including XML, delimited and un-delimited ASCII, and DSNTIAUL. DBAs can also use Optim High Performance Unload to redistribute data on the same or a different system.

To focus on a precise set of data, Optim High Performance Unload allows users to set filters and unload subsets of data. Because Optim High Performance Unload supports the use of column scalar functions for modifying values, specific data type conversions and formats, such as date and time, are automatically formatted during the data unload. Plus DBAs can help users be more self-sufficient enabling any user ID that has SELECT authority on the table to run an unload job.

Streamline application and database migrations and consolidations

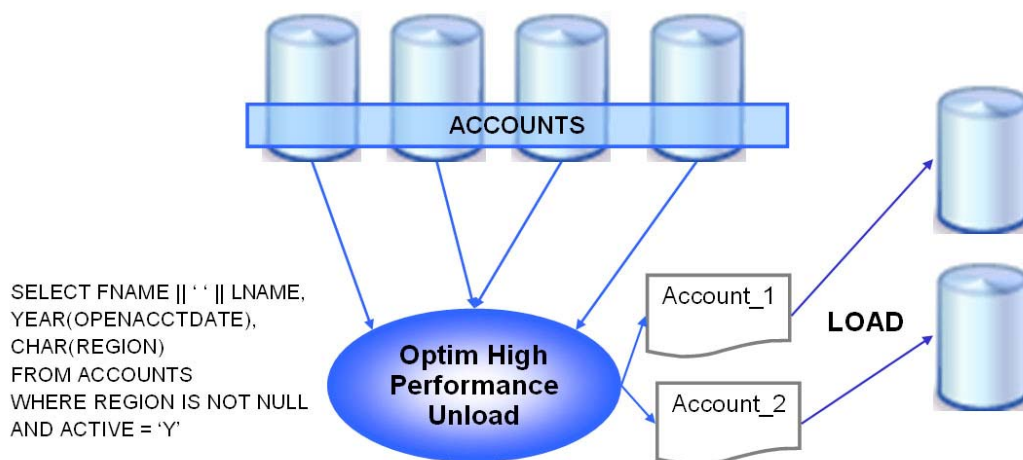
Upgrading systems and consolidating database instances are common practices to derive the most value from your application environment. However, these procedures are inherently risky. Organizations must orchestrate a complex sequence of conversion activities, while carefully minimizing business disruptions.

The costs of extended downtime resulting from problem migrations or

consolidations — lost business, missed service targets, even fines and penalties — can be enormous. Slow migrations delay the value derived from new hardware and software investments. Canceled migrations mean added costs and poor performance as organizations forfeit the benefits of faster and more economical hardware platforms.

With Optim High Performance Unload, simplified, faster upgrades and consolidations help organizations minimize the risk of business disruption. Enhancements in Optim High Performance Unload help maximize unload speeds and DBA efficiency. DBAs have the capabilities needed to move data directly from one database to another, including unloading, transferring and loading data between a source and target without requiring intermediate storage.

In addition, to enable reusability and automation, DBAs can create command templates and enhanced syntax for unload.



Optim High Performance Unload eases repartitioning and data transformation.

Maximum flexibility for efficient backup and recovery operations

When business-critical applications experience failures or outages, time is of the essence. Even a few minutes of downtime can have a catastrophic impact including delayed revenue, higher costs and lower customer satisfaction. Organizations must be able to recover quickly from a variety of failure scenarios to minimize losses resulting from application downtime.

Optim High Performance Unload can be a key tool in the DBA's arsenal to minimize negative consequences. With backup and recovery operations focusing on media failure or disaster recovery, sometimes accidental errors, like a single table drop, can create a real problems. Using Optim High Performance Unload, DBAs can unload a single table from a database backup and enable fast recovery. These capabilities offer the data management team more flexibility in responding to a variety of outages.

Integrate rapid data unloads with other IBM solutions

Designed to promote full-lifecycle data management, Optim High Performance Unload easily complements other IBM database solutions to empower the DBA. Specifically, Optim High Performance Unload can be used with IBM Optim Database Administrator for DB2 for Linux, UNIX and Windows to

accelerate complex schema changes and get production systems back online quickly.

Optim High Performance Unload can also be used with DB2 Performance Expert to rearrange data storage layouts and improve database access paths for better database responsiveness and overall throughput. In addition, Optim High Performance Unload has an API that can be used with in-house or off-the-shelf applications. Optim High Performance Unload for z/OS provides comparable capabilities the for DB2 z/OS environment.

Optim High Performance Unload is part of the IBM Optim Integrated Data Management portfolio. This portfolio delivers an integrated, yet modular, data management environment to design, develop, deploy, operate, optimize and govern data, databases, and data-driven applications throughout the entire data management lifecycle. By focusing across the data lifecycle and enabling different roles to collaborate, organizations can increase productivity and effectiveness, while improving the quality of service, cost of ownership, and governance of diverse data, databases, and data-driven applications.

About IBM Optim Integrated Data Management Solutions

IBM Optim Integrated Data Management Solutions offer proven, integrated capabilities to manage enterprise application data from requirements to retirement. With Optim, teams can share data artifacts (like models, policies and metadata) to align data management with business goals and improve collaboration.

Today, organizations of all types leverage Optim to improve performance, streamline database administration, speed application development, and enable effective governance. Optim delivers better business outcomes, at lower cost, with less risk, while providing capabilities that scale across enterprise applications, databases and platforms.

For more information

To learn more about Optim High Performance Unload, visit: <http://www-01.ibm.com/software/data/studio/high-performance-unload/>

For details on Optim High Performance Unload for IBM z/OS, visit: www.ibm.com/software/data/db2imstools/products/db2-zos-tools.html

For details on IBM Optim Integrated Data Management Solutions, contact your IBM sales representative or visit: <http://www-01.ibm.com/software/data/optim/>



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