

## IBM DB2 Multiplatforms Tools

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### Highlights

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- **Maximize DB2 response time and system throughput**
- **Recover data and applications more quickly and precisely**
- **Reduce maintenance windows for data unloads and repartitioning**
- **Reduce data storage costs and improve performance when accessing active data**
- **Create sterilized test data**
- **Reduce human error by automating and managing complex DB2® structural changes**

### Reducing data center complexity

Life in the data center is becoming more complex for database administrators (DBAs). They must cope with the impact of software and hardware upgrades, data migrations and the explosion in the volume of data that has occurred with the introduction of new regulatory compliance laws. These require that data be maintained for longer periods of time and made available for ongoing auditing. DBAs are spread thin and must find new ways to optimize their time so they can focus on their core responsibilities—ensuring the delivery of high levels of data availability and database performance to meet business needs.

Fortunately, IBM DB2 Multiplatform Tools can help DBAs stay in control of even the most complex database environments. High-value tools, such as DB2 Change Management Expert, DB2 Recovery Expert and DB2 Performance Expert help DBAs handle more complex tasks that are prone to human error, and can compound into larger, more costly business mistakes if not handled promptly. Other high-value tools, including DB2 High Performance Unload, DB2 Test Database Generator

and DB2 Data Archive Expert, provide capabilities that allow DBAs to be free from routine or mundane tasks so they can focus on other critical data center issues.

### Simplifying change management

Database administrators today are facing a host of new issues that place a premium on innovation and organizational responsiveness. The pressures come from many different sources: business acquisitions and restructuring, increased competition, and new technology architectures and strategies. The only constant is change, and for DBAs that means the need to change DB2 structures and data more frequently and under tighter deadlines than ever before. Overall, the change management process has been prone to error, tedious and slow. For example, DBAs must often spend hours analyzing objects and dependencies before deciding on a course of action. And, the need exists to track changes and to work collaboratively on these changes. This is where IBM DB2 Change Management Expert can help, whether you are upgrading a standing database or migrating data between databases.

DB2 Change Management Expert is a tool that makes it fast and easy for DBAs to model the target database, compare two sets of objects to see where they differ, migrate a set of objects to the target or redefine the target objects to be like the source. Changes automatically roll through all related objects, streamlining the entire change management process. The tool also allows DBAs to automatically undo all changes, if necessary.

DB2 Change Management Expert is valuable because it:

- *Improves productivity and reduces errors by automating and managing complex DB2 structural changes.*
- *Increases application availability by modeling the impact of proposed changes prior to implementation.*
- *Ensures data integrity by finding related schema elements.*
- *Enhances teamwork by integrating changes from multiple group members.*

DB2 Change Management Expert supports IBM DB2, Version 8.1 and above, on Linux®, UNIX® and Microsoft® Windows®.

### **Optimizing performance**

In today's competitive business environment, users demand 24x7 access to enterprise information. To maximize system throughput and the response time of DB2, IBM offers

IBM DB2 Performance Expert for Multiplatforms, which monitors, analyzes and tunes the performance of DB2 data and DB2 applications. The tool provides a complete, detailed analysis of system performance based on data from DB2 and the operating system to help DBAs more proactively oversee performance management, and identify and resolve database issues before they impact your business. In addition, the tool can:

- *Make recommendations to help improve system performance going forward, giving you statistics and graphical views that provide continual updates on the health of your databases.*
- *Define, schedule and run automated processes, recognize trends, and anticipate potential bottlenecks such as locking conflicts and deadlocks, using its Performance Warehouse feature.*
- *Define thresholds and provide warnings or alarms via e-mail when thresholds are met.*

To optimize the performance of your database and keep productivity high, DB2 Performance Expert for Multiplatforms is the ideal tool. It supports DB2, Version 8.1 and above, on Linux, UNIX and Microsoft Windows.

### **Protecting data**

Data is your company's most valuable asset and protecting the integrity of that data is crucial. When data is unexpectedly lost, it is imperative that you can quickly recover those assets before the situation compounds into a more costly business mistake.

To help deal with even the most complex data recovery situations, there is IBM DB2 Recovery Expert for Multiplatforms. The tool assists the DBA with recovering data objects, including tables and table spaces, and provides recommendations to help you determine the fastest and least costly recovery method. In addition, the tool:

- *Recovers a dropped table to a point in time, including all of the dependent objects such as authorizations, views, indexes and, optionally, related tables.*
- *Uses its Log Analysis to provide more granular recovery options to easily back out or redo transactions.*
- *Assists with data auditing by pinpointing DB2 data that was changed, when the change occurred and who made the change.*
- *Recovers from DB2 online and offline backups. DB2 compressed backups are also supported.*

There's no better way to ensure the integrity and availability of your company's data than by offering precise and efficient data recovery. DB2 Recovery Expert for Multiplatforms, supporting DB2 Universal, Version 8.1 and above, on Linux, UNIX and Windows, allows you to do just that.

### **Reducing maintenance windows**

Running high-volume data unloads can take time—time that you can't afford. If you need to reduce batch maintenance run times and improve database availability, IBM DB2 High Performance Unload for Multiplatforms can help.

The tool significantly speeds up DB2 data unloads and can run data unloads from your backup systems (including backups of SMS or DMS table spaces or backups of the database) to keep your production systems running at optimum levels. You can also do selective unloads, partitioned unloads as well as data transformations during an unload. This high-speed utility:

- *Can extract a single table from a backup.*
- *Supports multiple output formats including XML, delimited and undelimited ASCII, and DSNTIAUL.*
- *Provides built-in DB2 Splitter functionality so you can unload and split in a single operation at high speed.*
- *Uses DB2 authorization checking so users with SELECT authority can also take advantage of DB2 High Performance Unload capabilities.*

- *Exploits the following DB2 9 features:*
  - o *Table partitioning*
  - o *DB2 Storage Optimization Feature*
  - o *DB2 Advanced Access Control Feature*

For faster, more efficient data unload and repartitioning operations that help you put your data where you want it, look to DB2 High Performance Unload for Multiplatforms. The tool supports DB2, Version 8.1 and above, on Linux, UNIX and Windows.

### **Reducing data storage costs while enhancing performance**

Data volumes are rising, compounded by new regulatory compliance laws that require DBAs to keep data longer. To lower storage costs, reclaim disk space and retain data more efficiently, IBM offers DB2 Data Archive Expert for Multiplatforms, which allows DBAs to easily move seldom-used data to a less costly storage medium, without programming requirements. Additionally, it permits "table-grouping," through use of the IBM DB2 Grouper Component, to discover relationships between tables from definitional and access sources, thereby making it easy to include tables related with those being archived. DB2 Data Archive Expert for Multiplatforms also:

- *Improves performance when accessing active data.*
- *Exploits less expensive media for archived data and can access archived data concurrently with minimal changes to applications.*

- *Supports archiving sets of rows representing application objects, not just entire tables.*
- *Provides easy creation of specifications and allows the development of job profiles through Web-based UI panels.*
- *Supports DB2 for z/OS® (licensed separately) allowing for cross-platform archiving.*

In today's business environment, DBAs seek new ways to keep their production systems trim and responsive. DB2 Data Archive Expert for Multiplatforms can help them do just that. It supports DB2, Version 8.1 and above, on Linux, Unix and Windows platforms.

### **Quickly creating sterilized test data**

Creating test data can be a tedious task, especially with new data privacy regulations that can increase the liability risk of exposing sensitive production data used in test environments.

To help you generate test data quickly and safely there is IBM DB2 Test Database Generator for Multiplatforms. This powerful tool rapidly produces test data on demand, with minimum effort, helping you bring new databases to market quickly and cost-effectively. Plus, the tool lets you easily create test data from scratch or create subsets of production data while masking out any sensitive data such as social security numbers, salaries, addresses or financial information, making sure sensitive data is protected. You can also:

- *Specify data sources (database tables or text files) that can be used to supply seed data for test environments.*
- *Define sets of generation rules, or actions, to generate test data from seed data or generate test data from scratch.*
- *Compare and synchronize DB2 tables.*
- *Update existing data without deleting it and re-creating it.*

Available for DB2, Version 8.1 and above, on Linux, UNIX and Windows, DB2 Test Database Generator for Multiplatforms offers a complete test data creation solution that can create test data in a wide variety of environments.

#### **Expanding access to DB2 data**

To help further increase DBA productivity and improve responsiveness, count on IBM DB2 Table Editor for Multiplatforms and IBM DB2 Web Query Tool for Multiplatforms.

DB2 Table Editor for Multiplatforms lets administrators and authorized end users graphically manipulate DB2 data directly without requiring any additional programming. The tool provides integration with the DB2 Control Center or Web-based interfaces to support high function editing while respecting DB2 security and user profiles. With DB2 Table Editor for Multiplatforms you can:

- *Use a drag and drop graphical user interface to quickly create “Editing Forms.”*
- *Efficiently navigate DB2 databases, tables and views.*
- *Easily locate and launch previously saved Java™-based forms.*

Free up your DBA resources by letting end users update data where and when they wish, with DB2 Table Editor for Multiplatforms supporting DB2 Universal Database, Version 8.1 and above, on Linux, UNIX and Windows, as well as IBM Informix® Dynamic Server, Version 9 and above.

Simplifying data access for end users has never been easier. DB2 Web Query for Multiplatforms provides easy universal access to DB2 data from the Web or handheld devices without the need for gateways or expensive portals. Users at all levels can effortlessly run data queries, comparisons and reporting on DB2 data using multiple interfaces including:

- *Traditional Web-based browsers.*
- *E-mail clients and wireless devices such as personal digital assistants.*
- *Text pagers and wireless application protocol-enabled cellular phones.*

Accessing data is easy—whether you’re using the wired Web or

wireless devices—when you have DB2 Web Query Tool for Multiplatforms supporting DB2 Universal Database, Version 8.1 and above, on Linux, UNIX and Windows, as well as Informix Dynamic Server, Version 9 and above and IBM WebSphere® Application Server, Versions 5.1 and 6.0

#### **Now—Get 5 at a time!**

Want to acquire IBM’s premier DB2 Tools for Multiplatforms at a significant discount? Now you can by purchasing the DB2 Toolkit for Multiplatforms. The Toolkit lets you acquire the following DB2 Multiplatform Tools by purchasing one license, at a significant cost savings:

- *IBM DB2 Performance Expert for Multiplatforms*
- *IBM DB2 Recovery Expert for Multiplatforms*
- *IBM DB2 High Performance Unload for Multiplatforms*
- *IBM DB2 Test Database Generator for Multiplatforms*
- *IBM DB2 Data Archive Expert for Multiplatforms*

#### **Latest DB2 versions supported**

IBM updates DB2 Tools for every new database release, so you can quickly complement all of the new features and functions of DB2.

DB2 Tools for Multiplatforms, including DB2 Recovery Expert, DB2 Performance Expert, DB2 High Performance Unload, DB2 Test Database Generator, DB2 Data Archive Expert, DB2 Table Editor, and DB2 Web Query Tool, are also available for IBM z/OS.

When ordering IBM DB2 Tools for Multiplatforms, please refer to the following Passport Advantage part numbers:

- *IBM DB2 Toolkit for Multiplatforms (D57UKLL)*
- *IBM DB2 Change Management Expert for Multiplatforms, Version 1 (D590YLL)*
- *IBM DB2 Performance Expert for Multiplatforms, Version 2.2 (D55KALL)*
- *IBM DB2 Recovery Expert for Multiplatforms, Version 2.1 (D55NELL)*
- *IBM DB2 High Performance Unload for Multiplatforms, Version 3.1 (D55JYLL)*
- *IBM DB2 Test Database Generator for Multiplatforms, Version 2.2 (D55TQLL)*
- *IBM DB2 Data Archive Expert for Multiplatforms, Version 2.1 (D570TLL)*
- *IBM DB2 Table Editor for Multiplatforms, Version 4.3 (D55JWLL)*
- *IBM DB2 Web Query Tool for Multiplatforms, Version 1.3 (D55NCLL).*

When ordering DB2 Tools for Workgroups, available for Linux, AIX® and Windows, please refer to the following Passport Advantage part numbers:

- *IBM DB2 Performance Expert for Workgroups, Version 2.2 (D55IQLL)*
- *IBM DB2 High Performance Unload for Workgroups, Version 3.1 (D55HDLL)*
- *IBM DB2 Table Editor for Workgroups, Version 4.3 (D55ISLL)*
- *IBM DB2 Web Query Tool for Workgroups, Version 1.3 (D55M3LL).*

#### **For more information**

Please contact your IBM representative or IBM Business Partner, or visit;

[ibm.com/software/data/tools/mptools.html](http://ibm.com/software/data/tools/mptools.html)

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