IBM

DB2 Information Management Software

DB2 Administration and Change Management Tools from IBM

Highlights

- **Automate routine database administration tasks to improve DBA productivity**

- **Support application upgrades and enhancements by keeping production, testing and development databases in sync**

- **Improve database throughput and performance, promoting better business agility**

- **Provide protection for your database investment with superior service and support from IBM**

Empowering DBAs with powerful tools

Every new application in your data center puts new demands on your IBM DB2® Universal Database™ for z/OS® information management system—and more pressure on your database administrators (DBAs). That's why IBM has automated DB2 administration activities through its high-performance, comprehensive administration and change management tools: IBM DB2 Administration Tool for z/OS, Version 7 and IBM DB2 Object Comparison Tool for z/OS, Version 7. Backed by IBM's best-of-breed services and support, these tools empower DBAs to easily and efficiently complete the tasks that keep DB2 performing at optimal levels. With DB2 running smoothly in the background, your business users can focus on delivering the responsiveness your customers expect.

Managing database changes

When database structures change, DBAs often spend significant time creating complex scripts, even though the application update itself might be a simple one. Performing such tasks manually can be error prone, potentially impacting the applications on which your business users depend.

Database changes can have cascading effects on database and application performance, pushing errors deeper into the database and making it more difficult to correct mistakes. To avoid application failure, data loss or broken dependencies, DBAs must proceed meticulously through the processes of data unloading, object dropping and rebuilding, and data reloading.

DB2 administration and change management tools from IBM eliminate the need to undergo such cumbersome object management processes. Whether your DBAs are seasoned veterans or new to the job, they can increase their productivity quickly with DB2 Administration Tool and DB2 Object Comparison Tool. These function-rich tools were designed with an easy-to-use interactive system productivity facility (ISPF) interface, that enables DBAs to manage and process DB2 objects, organizing them properly for better system throughput.

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Automate DB2 administrative capabilities

Interoperability streamlines operations

DB2 Administration Tool and DB2 Object Comparison Tool interoperate to make short work of routine activities, helping to minimize system downtime and maximize user productivity. Operations that would require multiple steps when performed manually turn into single jobs. For example, when a physical data model needs to be modified, DBAs can use the DB2 Administration Tool to quickly make changes to the relevant objects underneath the model. And because DB2 Object Comparison Tool simplifies the process of comparing objects and their dependents from different sources and then synchronizing the sources, your DBAs can consistently keep production databases in step with those for testing and development.

In addition to supporting DB2 for z/OS, Version 7, both DB2 Administration Tool and DB2 Object Comparison Tool exploit the functions of DB2 Universal Database for z/OS, Version 8 by providing support for long names in all panels, 4096 partitions and data-partitioned secondary indexes, materialized query tables, sequence object supports and identity column enhancements.

As with the other tools in the DB2 family, the DB2 Administration Tool and DB2 Object Comparison Tool will continue to evolve to incorporate more autonomic functions, enabling you to increase the return on your investment and be more responsive to your customers, partners, suppliers and employees.

DB2 Administration Tool for z/OS, Version 7

DB2 Administration Tool provides a comprehensive set of functions to help you manage your DB2 environments efficiently and effectively. Like DB2 Object Comparison Tool, this tool features an easy-to-use ISPF interface to help you manage and process DB2 objects, and organize them for better system throughput. DB2 Administration Tool provides in-depth catalog navigation by displaying and interpreting objects in the DB2 catalog and executing dynamic SQL statements. Catalog query capabilities are also greatly enhanced in Version 7. DB2 Administration Tool integrates with other DB2 utilities to simplify the creation of DB2 utility jobs.

DB2 Administration Tool enables you to:

- *Use Online Schema Evolution (OSE) to simplify and streamline changes (available with DB2, Version 8 only).*
- *Run utilities against objects to accomplish tasks such as unloading, reloading, reorganizing, copying and catalog management.*
- *Determine who in the organization is authorized to access which objects.*
- *Grant access privileges to objects as appropriate.*
- *Find the status of a particular object quickly.*

Version 7 of DB2 Administration Tool includes specific enhancements for change management, including:

- *Redefine: Change the database for a table space or change the index creator.*
- *Work Statement List (WSL): Allow longer jobname prefixes for WSL-generated jobs, append or replace an existing WSL.*
- *Complex alters using ALC: Alter a view or foreign key, change the target database or table space name.*
- *Rename: Rename a database.*

DB2 Object Comparison Tool for z/OS, Version 7

DB2 Object Comparison Tool enables you to see what differences exist between two or more DB2 catalogs, a necessary capability for effective change management. DB2 Object Comparison Tool generates the jobs to align the catalogs. Because DB2 Object Comparison Tool simplifies the process of synchronizing sources, you can more easily keep your production database in step with your test and development database. DB2 Object Comparison Tool features enhancements to areas such as identity columns, stored procedures and user definable functions, further strengthening the tool's ability to support DB2 Universal Database for z/OS, Version 8.

DB2 Object Comparison Tool also enables you to:

- *Build a compare operation using the walk-through option.*
- *Generate target changes to a WSL for propagation to remote sites.*
- *Report differences using improved reports.*
- *Account for intentional differences and naming discrepancies between two sets of objects.*

Version 7 of DB2 Object Management Tool includes specific enhancements for change management, including:

- *Batch interface enhancements.*
- *Escalate to table space for partitioned tables.*
- *Masking of column names.*

For SAP users

SAP® provides a set of basic monitoring and management functions for the portion of DB2 supporting your SAP environment. To offer enhanced functionality, IBM has created three specially packaged, robust toolkits called the IBM DB2 Toolkits for z/OS the SAP Editions, which are intended for use on a zSeries® machine dedicated to an SAP environment. SAP users who do not have this dedicated environment can still take advantage of this enhanced functionality—and gain the additional benefit of using one set of tools to manage their entire DB2 for z/OS landscape—simply by utilizing the individual tools.

The DB2 Administration Toolkit for z/OS the SAP Edition is comprised of DB2 Administration Tool and DB2 Object Comparison Tool. For more information on this Toolkit, and the DB2 Automation Toolkit for z/OS the SAP Edition and the DB2 Performance Toolkit for z/OS the SAP Edition, and the benefits they provide for SAP users, visit: **ibm.com**/software/data/db2imstools/db2tools/db2sap

For more information

Please contact your IBM marketing representative or IBM Business Partner, or call 1 800 IBM-CALL within the U.S. or visit: **ibm.com**/software/data/db2imstools

When ordering the IBM DB2 Administration and Change Management Tools, please refer to the following program numbers:

IBM DB2 Administration Tool for z/OS, Version 7: 5697-L90

IBM DB2 Object Comparison Tool for z/OS, Version 7: 5697-L40

Please note that DB2 Object Comparison Tool, Version 7, works only with DB2 Administration Tool, Version 7. DB2 Administration Tool, Version 7 does not support prior versions of DB2 Object Comparison Tool.

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