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## Highlights

- Simplifies the creation of clones for DB2 subsystems, DB2 table spaces, and application data volumes
  - Utilizes fast replication technologies to copy data instantly, reducing costs of refreshing data across the enterprise
  - Enables process control with reliable and verifiable reporting and logging
  - Fast copy technology quickly copies DB2 data sets within a subsystem to a different subsystem
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# IBM DB2 Cloning Tool for z/OS

*Faster, simpler cloning solution to improve performance and reduce operating costs*

## Issue commands against the restored data even with a different release of the tool

Using clones with current data can help provide faster resolution if problems with production data are encountered. The IBM® DB2® Cloning Tool for z/OS® can reduce the time required to create a clone from hours or even days to just minutes. The DB2 Cloning Tool is also designed to mask one or more columns during table space cloning.

## Flexible solutions for diverse environments

The IBM DB2 Cloning Tool utilizes the TCz customization software from IBM, making customization more flexible. This means that any software-based or storage-based volume-level copy technology can be used with the DB2 Cloning Tool, giving organizations a broader range of options. Versatility improvements enhance the cloning process for diverse IT environments. The introduction of a stored procedure API facilitates subsystem cloning from any platform that can invoke a stored procedure. This allows the user more control by generating the jobs, scheduling the jobs in the DB2 administrative task scheduler, and monitoring the execution of jobs. The Cloning Tool also provides for return of investment improvements by adding additional support for Preserve Mirror FlashCopy®, which is designed to help users utilize the FlashCopy operations to PPRC primary volumes without affecting the PPRC duplex state.

## Enhanced manageability and troubleshooting

Organizations need a streamlined, manageable tool to perform cloning functions, and the IBM DB2 Cloning Tool offers solutions to enhance your DB2 processes. The ISPF interface can simplify the cloning process by providing support for subsystem cloning using a system level backup. It supports the creation of separate user data sets for table space cloning. In addition, job monitoring can be improved by writing the messages to a distinct data set. Other usability features reduce manual intervention



by automatically managing the work file databases when cloning a DB2 system for a data sharing environment. An option to generate Data Definition Language (DDL) for non-existent target objects minimizes administration of DB2 object creation. Process control and auditability can be improved through a new target job report and implementation of logging in the repository. In addition, source object DDL is retained for validation of involved objects. Enhanced data masking and object verifications can further improve reliability and security for sensitive data refreshes.

### Increased performance and availability

Read-only users who work with clones instead of production data may notice significant performance improvements as well as a reduced need to refer back to production data. The Cloning Tool is designed to deliver faster and more efficient performance. It can also automate the cloning of DB2 subsystems in either an offline or online environment, which increases an organization's flexibility and availability. The tool updates the DB2 internal control information in the Bootstrap Data Set (BSDS), as well as in the directory and the DB2 catalog to reflect the target DB2 subsystem names quickly and efficiently. The speed with which the DB2 Cloning Tool handles the cloning process is the key to saving time and reducing costs. The Cloning Tool is designed to improve availability by providing a consistent copy of the source data, using LOG APPLY technology to eliminate the need to stop and start objects. Performance improvements can be made by increasing the number of subtasks, thereby reducing the elapsed time of the target job.

The DB2 Cloning Tool supports the cloning of multiple DB2 data-sharing groups and non-data-sharing DB2 subsystems. Additionally, with a few simple commands, the number of DB2 data sharing members can be reduced, and data sharing groups can be changed to non-data sharing groups.

### The right choice for cloning

When your organization takes on a cloning project, the IBM DB2 Cloning Tool offers advanced features that can make it easier to quickly clone a DB2 subsystem or a DB2 table space. Advanced features and performance enhancements can also lead to increased flexibility, manageability and performance that help organizations save time and control costs.



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