ExtractDB

The IBM System i5 Test Database Builder

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ExtractDB is the premier data extraction tool for the IBM System i5 (including iSeries and AS/400). ExtractDB provides a simple yet robust user interface to define and build test databases. In addition to simplifying test data construction, ExtractDB ensures the integrity of your test data by extracting only relationally accurate sets of records from your production databases. And with the ExtractDB remote module, you can also extract data from other IBM System i5 servers.

Build test databases quickly and accurately

ExtractDB provides a quick, easy, efficient and accurate means for extracting subsets of an application database.

With ExtractDB you can:

- Easily establish programmer test environments.
- Segregate your system into data subsets for testing an application system and ensuring that the testing process is complete.
- Create a user training environment that accurately reflects the live system.

ExtractDB lets you create data models that are logical subsets of your data files. You can identify key parts of the database required for testing a program, an application, or an entire system.

You can set up a cash-posting portion of an accounts payable model, an order entry model, or a full system model. Or, you can link as many different models as you need to accomplish your data extraction objectives.

These models (or data subsets) are then used by ExtractDB to pull the data needed to perform programmers' tests, set up training environments, subset data for reporting, or any other functions that require data from more than one file to be synchronized — without duplicating your entire production database.

Benefits:

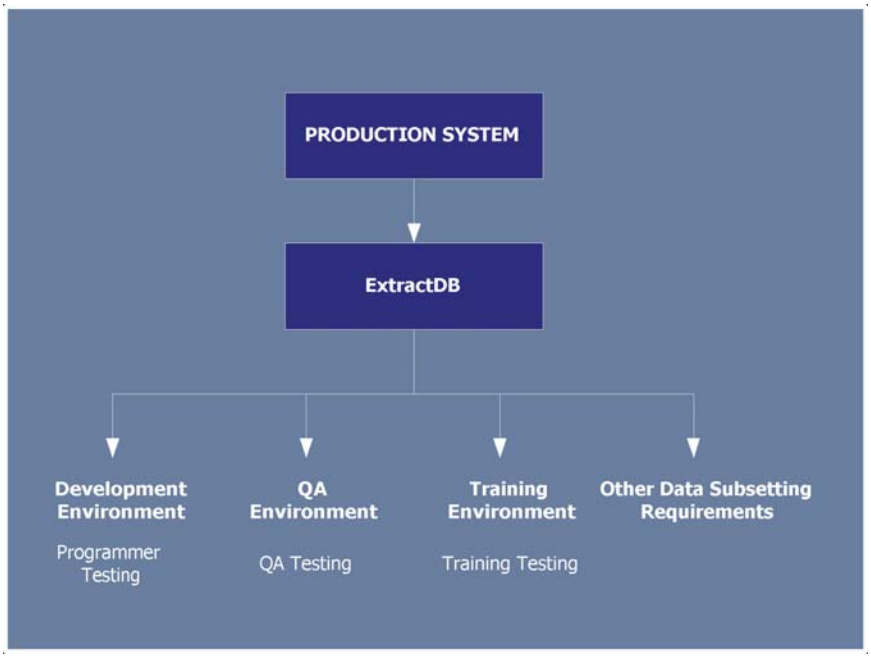
- Speeds up and simplifies the overall testing process.
- Ensures referential integrity in the testing environment.
- Provides an immediate investment payback by reducing the impact on training, testing, and disk space utilization.
- Saves valuable testing resource time by automating the creation of data subsets for whatever purpose they are required.
- Allows users to quickly and safely learn a new application using a subset of the actual database — saving space and protecting the actual production data.
- Time spent by programmers and testers manually creating test data can now be used for other critical projects.

Features:

- Easy set up
- Allows you to quickly analyze and load all or specific parts of the production database into ExtractDB.
- Provides a simple entry or import of relationships between your database files.
- Allows you to combine data subsets together to form a model of as much or as little of the system as you need.

Data extraction:

- Records may be selected randomly or based on user-defined criteria.
- ExtractDB allows you to identify the file to base your selection upon. It uses "data drill-down logic" to place



only the needed records in the newly created database. For example, yu can make a request for 10% of all customers and then extract the required records from the other database files of the application.

- Lets you select data by user-defined criteria, (e.g. randomly, last 100 records, every 10th record, "X" percentage of records, etc.).
- Create pre-defined "selection sets" that you can re-use for later extracts.
- Supports complex many-to-many file relationships that exist in applications such as bill of material processing.

Date aging:

- Supports field value arithmetic and field setting — useful in date aging datasets for test date sensitive applications.
- A wide variety of date formats are supported including: YY, MM, DD, CC, MMDDYY, MMDDCCYY, DDMMYY, YYMMDD, CCYYMMDD, Julian and more. In addition, date math functions allow a value to be added, subtracted, or set to a specific value.
- The date values can be predefined or specified at run-time. The value can also be derived using a customer-defined program.
- Date aging capabilities in a database field, for example, allow you to offset the dates for an entire set of transactions consistently.

Interfaces:

- Users of the CA AllFusion 2E or PowerDesigner CASE tools can import their application models into ExtractDB to reduce the time needed to set up data extraction of an application built using a CASE tool.
- The Build Model features allow users to easily import from any specialized database design into ExtractDB.

Plus many other powerful features:

- The ability to create datasets for use with query in creating reports or for downloading data to a PC environment. These can be run automatically or on a scheduled basis.
- Data purging capabilities that allow you to use ExtractDB's knowledge of a database to delete certain subsets of data.
- ExtractDB can be used in training — allowing new users to extract and work with test data without affecting the production database.

The bottom line:

With ExtractDB, users have a quick, easy and efficient method of extracting subsets of data from a production application database. ExtractDB is an integrated component of MKS's suite of IBM System i5 products that provide organizations with powerful tools to help manage the software development processes.

Learn more

To learn more about ExtractDB and the rest of the MKS's products and services, point your browser to www.mks.com.

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