

## APPLICATION TESTING SOLUTION

### TestBase

- > Test Faster, Test Together
- > Dramatically Improve DB2 Application Quality
- > Enforce Data Privacy



#### Business Challenges

Maintaining and enhancing core DB2 business applications on today's extremely tight budgets is a difficult and challenging task. Ensuring that overall application quality holds or even improves is nearly impossible.

As more and more companies strive to increase revenue and improve customer service, it becomes increasingly important to enhance and test key DB2 applications as quickly, cost-effectively, and thoroughly as possible - while carefully protecting the privacy of all sensitive data used for testing.

#### Test Key DB2 Applications Faster, Better, and Safer

The TestBase software solution from SoftBase allows you to quickly retrieve manageable subsets of referentially intact data from DB2 databases around the enterprise, thoroughly test and validate proper functioning of all DB2 application enhancements, and to ensure that all sensitive production data remains completely private during testing.

Also, by consolidating many common application testing tasks into a single integrated testing workbench, TestBase dramatically reduces testing time and greatly improves overall DB2 application quality. Mission critical DB2 enhancements are deployed faster, with greater reliability, and in the most cost-effective manner as possible.

#### Test DB2 Applications Faster

Testing and deploying DB2 applications faster starts with the ability to quickly extract realistic business data from all required production data sources.

TestBase copies test data from DB2 UDB databases on OS/390, z/OS, AIX, UNIX, and Windows platforms. In addition, TestBase allows you to include legacy data from both VSAM and QSAM into your test scenarios. All data is extracted via referential integrity rules defined in the DB2 UDB catalogs and/or registered within TestBase itself. Test data can be extracted in any quantity desired - from the extremely small amounts of data desired for unit testing to the much larger volumes of data required for acceptance testing applications just prior to actual application deployment. TestBase also contains a world-class DB2 table editor that allows you to massage test data to configure properly for specific testing conditions.

Dramatically speeding up DB2 application testing also requires the ability for all your testing personnel to work together to accomplish their individual testing tasks.

TestBase provides a revolutionary new technology called "Slice" that allows each tester to extract and refresh their own test data without impacting anyone else. By allowing all application testers to work together at the same time, data corruption and single threading of testing tasks is completely eliminated. Testing is completed in a fraction of the time it used to take - with less friction between your testing personnel!

#### Test DB2 Applications Better

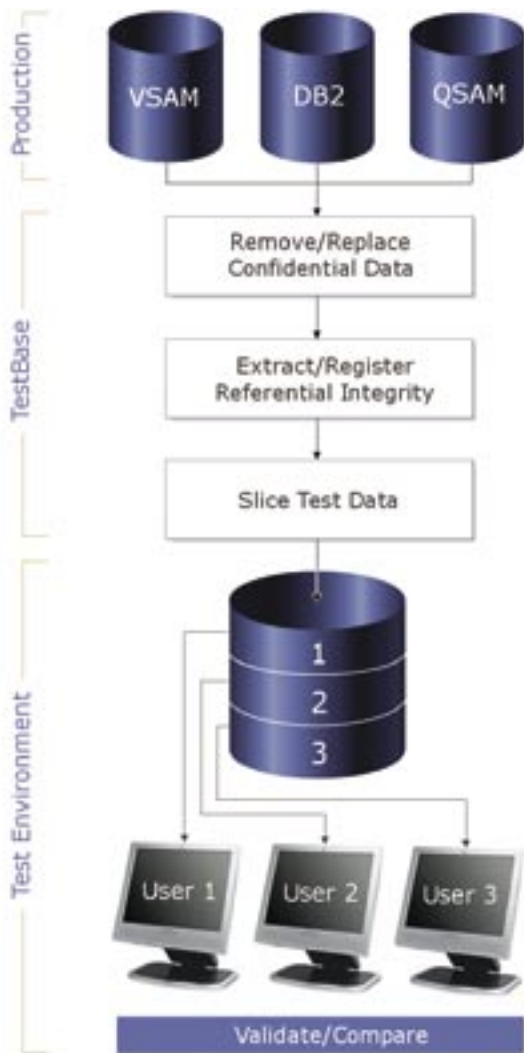
Manageable quantities of high-quality test data allow testing personnel to run more tests in a shorter amount of time. Problems and issues with application code changes are found sooner and resolved faster.

TestBase allows DB2 DBAs to register referential integrity and test data extraction rules one time and to then provide high quality, realistic test data to everyone in an organization. This ensures that even the newest application programmers or the least technical quality assurance testers can all retrieve and refresh test data whenever they desire.

TestBase contains a powerful Compare Reporting Facility that provides

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quick verification of testing results in an easy to understand report format. The Compare Reporting Facility also generates powerful regression reports that identify unexpected data changes caused by application code changes. TestBase is able to not only verify that new DB2 application enhancements are working properly, but also that no unexpected application problems have been placed into production. Application Developers and DB2 DBAs will sleep well at night knowing that nothing has accidentally been broken in production during an application enhancement project.

### Test DB2 Applications Safer

Recent legislation acts such as HIPAA, Sarbanes-Oxley, and PIPEDA mandate that companies are required to carefully de-identify data so that IT professionals cannot accidentally or intentionally misuse production information. Severe consequences can be incurred by displaying confidential customer data in an application testing environment. Simply authorizing access or having IT personnel sign agreements not to misuse data does not free companies from legal liability.

TestBase is the only solution on the market today that allows DBAs, Data Security Officers, and other appropriate IT personnel to carefully define and deploy a Data Privacy Strategy across all mainframe testing environments. The unique TestBase “Mandatory Masking” feature ensures that all sensitive data passes through predefined rules that carefully remove and replace confidential information **before** it ever reaches test DASD.

Also, TestBase provides a wide variety of techniques to mask confidential test data including jumbling, predefined data value substitution, and random value translation. TestBase assists you in building and deploying a secure test data privacy strategy that will make even the most diligent auditor smile!

### About SoftBase

For over 18 years SoftBase has provided unique software solutions to companies with investments in DB2 UDB business applications executing on the OS/390 & z/OS hardware platforms. TestBase will allow you to continue to maintain and enhance your critical DB2 business systems as quickly as possible while ensuring great application quality and effective data privacy.

“TestBase is a very big time saver... the tool takes care of making sure you don’t lose any of your relational integrity. Data Privacy will come into play with Social Security numbers where... we can let users see the data but it will mask the numbers, unless it’s somebody with security clearance to see it.”

—Jeff Boggress

North Carolina Farm Bureau Insurance