

# BUSINESS INTELLIGENCE TESTING SOLUTIONS

IMPROVING THE EFFICIENCY AND TIMELINESS OF THE BENEFIT ENROLLMENT PROCESSING

## END-TO-END SOLUTIONS



### INFORMATION

Gain business benefit from deeper analysis



### CONSOLIDATION

Draw from disparate data sources into a single view



### ACCURACY

Ensure that your data is accurate and trustworthy



### EFFECTA

Achieve data accuracy and improve business intelligence

## Managing Large Data Volumes

Business Intelligence (BI) and Data Warehouse (DW) systems allow companies to use their data to gain insight and make more informed business decisions. With valuable information at their fingertips, leaders are benefiting from competitive analysis, customer behavior analysis, business scenarios and forecasting, business planning, operation optimisation and financial management and compliance. Companies today are leveraging their BI platforms to empower business users with on-demand intelligence, support better analytics and deliver information at the right time.

To construct Data Warehouses, Extract, Transform and Load (ETL) technologies help collect data from various sources, transform the data depending on business rules and needs, and load the data into a destination database. Consolidating data into a single corporate view enables the gathering of intelligence about your business, pulling from different data sources, such as your CRM, ERP, Supply Chain Management and HR systems. An important feature is the ability to view this data in multi-dimensional cubes, giving business leaders the ability to quickly and easily navigate around the data to find trends, spot patterns, and drill down issues.

However, for organisations with large volumes of data, BI/DW solutions can often pose a significant threat as well.

These businesses depend on information accuracy issues, consistency and reliability in order to make well-informed decisions, but may be faced with the challenges of information validation, data loss, reporting inefficiencies and data security. A company's analysis is only as good as its data, making it crucial to determine whether the data populating your BI/DW systems is correct. With a team of seasoned testing experts, Prolifics works closely with customers to understand their business and BI needs, and deliver a custom testing solution that fits all of their requirements.

## The Power of BI Data Validation with Effecta

Effecta is the only tool in the market that is designed to test data migrations from a wide range of source systems including SAP to a BI/DW environment. This complete and scalable testing solution automates change impact analyses, test data maintenance, test execution and validation, enabling customers to increase the quality of implementation, mitigate business risks, and improve performance. Effecta tests BI/DW systems during initial implementation and also during maintenance and support pack deployments, ensuring that the right data has been pulled.

To ensure that decisions are being made based on accurate information, many organisations find it critical to validate the data being used, aiming for accuracy and consistency in reporting and analysis.

Prolifics provides testing solutions for BI and DW systems, helping identify and fix errors that may impact your business, including inaccurate data, incorrect mapping or missing fields. Our testing experts also ensure that ETL is performed correctly and that the right data has been pulled. Leveraging Effecta, Prolifics automates the validation of data in your BI/DW system, helping your organisation greatly reduce costs and time associated with testing while increasing test coverage. Effecta is specifically designed to provide native support for testing your BI environment with the following components:

### Validation Manager

At the heart of testing your BI data is Effecta's Validation Manager, which verifies test results and stores them in the Effecta repository. Validation Manager automates the creation of validation components that validate the data loaded from ERP and other systems and enable you to test the complete ETL Process for a high volume of records. It validates not only the data but the accuracy of field mappings and extracts.

### Test Data Manager

Stores test data as data sets in the Effecta database. Before executing an automated test, the validity of the test data is checked with reference to the BI System and is updated with the latest data from the BI system reflecting the most recent runs.

### Script Manager

Script Manager eliminates complex coding and automatically enhances recorded scripts. This enables scriptless automation of GUI automation tools, such as IBM Rational Functional Tester and HP QuickTest Professional.

### Change Impact Manager

As changes occur in the infrastructure, Change Impact Manager automatically analyses the impact and identifies a regression test set and changed meta data and is designed to bring in the new changes. This reduces the risk associated when installing enhancement pack upgrades.

### Report Manager

Report Manager provides out-of-the-box reports for tracking test artifacts, development and test execution and detailed test results pinpoint failed events in test case.

### Test Manager

Promotes reusability and repeatability with the ability to create test requirements and link them to test cases and development objects.



## ABOUT PROLIFICS

Prolifics creates a competitive advantage for organisations around the world by implementing customised, end-to-end IT solutions that achieve business success, leveraging leading technologies in a global delivery model. For more than 40 years, the company's technology expertise, industry-specific insights and certified technology accelerators have transformed organisations around the world by solving complex IT challenges. For more information, visit [www.prolifics-testing.co.uk](http://www.prolifics-testing.co.uk).

