

Specialized Testing

FCS as the main Implementers of DW/BI projects, primary focus will be on data warehouse & Business Intelligence testing to ensure the database structures, extract, transformation and load (ETL) processes, the front end access and Bi Reports generation processes fully support the client requirements.

To overcome the below DW/BI testing challenges like...

- Unwillingness on the part of DW developers
- Lack of awareness
- Absence of tools
- Lack of standard approach/methodology

FCS brings a new approach for predictable, efficient and cost-effective software testing.

DW/BI Testing:

FCS as partners with Oracle for Implementing the DW/BI Related Project have experienced professionals in testing these types of projects. Our experience across number of projects has helped us to develop best practices for efficiently managing our clients' full testing needs.

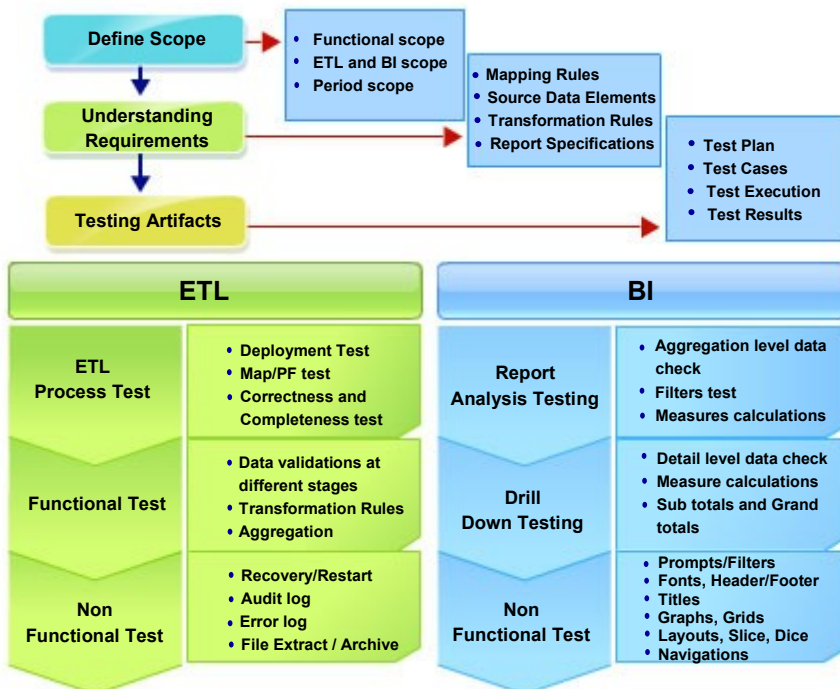
Our Approach:

With our experience and expertise, we have prepared a frame work that provides a strong test platform for every client testing engagement.

Key benefits:

- Assure your business information is accurate, consistent, and reliable
- Independently validate information upstream, downstream, and within ETL
- Automatically detect errors and prevent them from propagating
- Minimize the risk of the data loss
- Data security testing can be done
- Data Accuracy
- Reporting efficiency

Data Warehouse and Business Intelligence Testing Frame Work



Charlotte * Denver * Santa Clara * Washington DC
Amsterdam * London * Hyderabad * New Delhi



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The framework would be comprised of assets/job aids that facilitate efficient planning and execution of DW/BI testing, such as:

- SQL queries against source and target databases
- SQL queries to compare data at each stage of transformation
- Custom-built, reusable test utilities (e.g., Excel macros) to populate data from source

Systems and reports automate comparison and flash data errors. Such utilities have the following advantages:

- Reduction in human errors of omission in identifying data mismatches.
- Productivity enhancement
- Reusability across different stages and objects
- Templates to track defects/test results
- Test artifacts - test strategy, test plan and test cases; a common and largely re-usable templates of these documents can prove handy in gaining speed in initiating testing for new functional areas/reports/projects.

Features:

ETL Testing:

- Ensuring that the All the Maps and Process Flows are deployed successfully
- Ensuring the Successful Load of the source data into destination repository
- Ensuring that the all validations has performed
- Ensuring that all the Lookup checks have been done.
- Ensuring the correctness of the data
- Ensuring the Completeness of the data

At FCS We have developed Automated Script using Perl from which we can Deploy & Run MDL and it gives appropriate test results by comparing the target table data with expected data. This process will reduce the resource time & cost of the project when we do enhancements in our earlier product.

BI Testing:

- Ensuring the correctness of the data displayed at aggregated Level in the Report
- Ensuring each dimension data is displayed with respect to all facts.
- Ensuring the correctness of the data when filters for different dimensions are used
- Ensuring the Values of the calculated measures for Aggregated Level
- Ensuring that the Data is displayed when Drill Down to Detail Level
- Ensuring the Values of the calculated measures for Detail Level
- Ensuring the Look and Feel of the Report is as Client Requirements

