# DATA QA

**BUSINESS DATA QUALITY**
bdq

> **"I estimate that the overall solution gets us results 10-20x faster than traditional methods"**
>
> *Jeremy Walker*
> *Data Quality Consultant*

## Global SAP consolidation project uses DataQA to provide actionable, business friendly data quality assessment reports

Data migrations are fraught with problems—it is so often the case that data will not load into the target, or if it does, the new application does not function correctly. Problems have to be located and corrected row by row, value by value. These problems are usually discovered at the worst possible time—at the end of a project, and can cause major delays and expense.

Phusis are experts with data, and are using DataQA on a global SAP standardisation programme, at a multinational Fast-Moving Consumer Goods (FMCG) corporation. DataQA is being used to assess how much of the existing data, from across the world, meets the business and technical requirements of the new global SAP instance. Clear, actionable reports are delivered to the business users to pinpoint potential errors, upfront.

## Jeremy Walker, Phusis Data Quality Consultant, explains how DataQA has been used:

"I have been using Data QA to create thorough data quality reports as part of a migration for an international FMCG client within an SAP environment. These reports shows how much data does not comply with business and application rules, thus allowing the project management to understand risk and scope cleansing efforts.

The software features an intuitive drag and drop interface that allows quick and easy creation of rules - all of which are fully customisable where tweaks are required to suit the particular scenario.

## Customer Success Story

- *Customer:* Phusis
- *Industry:* Fast Moving Consumer Goods
- *Challenge*: Global SAP consolidation and data migration requiring data validation with bespoke rules
- *Benefits:* Clear, detailed reporting for business users, time savings, and the ability to easily implement complex validation rules

## Identify data issues and manage risk

- Show data issues down to rows and values
- Actionable, business friendly reports
- Input into project risk assessment
- Get testing quickly with drag and drop rules

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The approach is very agile, allowing the user to add a large number of rules and generate a comprehensive report very quickly. Data can also be re-tested as required, meaning that you can continuously validate data throughout the project lifecycle, which saves a lot of time when there are changes to either the rules or data. DataQA can operate against files or databases, so I did not have to spend time coaxing data into a database in order to detect problems.

Data QA has played a pivotal role in testing truly bespoke complex business rules as the nature of the product allows the user to test virtually anything. BDQ made themselves available to guide me through the creation of the first few complex rules, which I have since been able to do myself within the tool.

The output of the tests comes in a very clear format - showing the business exactly what needs to be changed and why, making the reports extremely powerful for the people who need to correct the data. I estimate that the overall solution gets us results 10-20x faster

## Report examples

An example of the type of reports which Phusis delivered can be seen below. Summaries of record failures help to scope cleansing and fixing effort, whilst detailed error reports going right down to row and value, complete with reasons for failure, show why problems exist.

| SourceDescription | TableName | TableDescription | Records tested | Records failed | %age failed any tests |
|---|---|---|---|---|---|
| France | Purchasing | Purchase records | 153,432 | 12,529 | 8.16 |
| France | Purchasing_Condition | Purchase conditions | 249,234 | 13,495 | 5.41 |
| UK | Golden set_Plant | Plant information master data | 6,354 | 2,601 | 36.99 |

| AllTestsPassed? | EINA-LIFNR | EINA-MATNR | EINA-MATNR: Must link |
|---|---|---|---|
| Yes | TETORAA | 45167988 | Pass |
| No | TETORE | 45169442 | Fail |
| Yes | TETORAA | 45164548 | Pass |
| Yes | TETORAA | 45164548 | Pass |
| No | TETORE | 45168878 | Pass |
| No | TETORE | 45165944 | Pass |
| No | TETORE | 45167292 | Pass |
| Yes | TETORAA | 45167292 | Pass |
| Yes | TETORAA | 45167848 | Pass |
| No | TETORE | 45169488 | Pass |
| No | TETORE | 27868928 | Pass |
| No | TENO01NO01 | 27868928 | Pass |
| No | TETORE | 45167947 | Pass |
| Yes | TETORAA | 45164538 | Pass |

## Agile and powerful

- Continuous data assessment to handle changes in data
- Test against files or databases
- Create sophisticated, business specific tests,
- Reuse tests to save time
- Integration with the full .NET library stack, and external libraries

## Actionable and fast

- See exactly where and why problems exist
- See summaries to help plan project workload
- Web UI or multi-tab Excel reports
- 10-20x faster than traditional approaches