

The credibility of the data is the basis for good decisions. Data processing systems are not free of errors. Error awareness is one thing but the knowledge where they are; how often they happen and how to correct them is another thing. Exarto DQ is a response to the market needs in terms of data quality control regarding errors or discrepancies stored in transactional databases, data warehouses and business intelligence reports.

Exarto DQ is a comprehensive solution which provides verification of data collected and processed in Oracle based IT systems both on premise and in the cloud. Flexibility and open architecture allow you to implement practically all data control ideas including:

- **Control of basic data** which enables verification of data stored in databases, such as checking whether the value is a number, text or date or if it fit the template as zip code, bank account number or even counting checksums of the social security number.
- **Data control required by Compliance departments** including verification of personal data quality and verification of business data quality, cross-check of data and dictionary data check. For example, using Exarto DQ it is possible to check whether the name has the required length and place of the consonants and vowels is correct, if date of birth is consistent with Social Security Number and if the country code of residence is consistent with the provided dictionary. These are just examples of possibilities often limited only by creativity.
- **Data Source Control.** Technical verification of data between different databases and different tables in many and one database.
- **Data control at the business level.** Different departments in an organization have sometimes different results for the same data and analysis. Exarto DQ allows for cross-verification of data between BI reports, warehouses, source systems and production databases.

How does usage of the Exarto DQ look like?

During implementation at the technical level, we connect to **databases and data warehouses** . Then in Exarto DQ we define the **rules** by which we want to analyze and control data. We also choose the **data** to be collected and presented to the user if errors

are detected in order to easily identify their sources of origin. Exarto DQ will process the rules according to the schedule looking for anomalies and discrepancies in data.

There is dedicated user interface (GUI) for defining rules, connecting data and working with the Exarto DQ solution but in order to have greater control over Exarto Data Quality results they can be presented in the form of interactive dashboards, reports and analyses in Oracle Business Intelligence or Oracle Analytic Cloud solutions .

Do I need Exarto DQ?

In the IT world one may say there are no systems without errors but we do not know about them yet. If data integrity and consistency is important to you or you want to cross-check data - Exarto DQ is the tool for you.

About Exarto:

Exarto is IT consulting company specializing in the delivery of reporting, analytical and business intelligence solutions, data warehouses and ETL. Exarto implements also dedicated database applications based on Oracle APEX and provides advanced data analysis services in the area of Data Science and AI . Exarto is Oracle¹ Gold Partner.

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