

Master Data Assessment Project



Data Quality Management

Deliverables

- A Dashboard detailing the quality of master data on single instance or on multiple instances of systems.
- A Duplicates data report for identification of duplicates.
- A Profile consistency report for identifying different formats of data under a data field for an entity.
- A List of values report detailing possible list of values under a data element for an entity.
- A Relationship report to identify possible missing link between parent and child entities.
- A Mandatory report to identify data incompleteness for entities.

Business Drivers For iQ-DOT Implementation

- Single view of data issues across systems.
- Identification of possible problems around master data before Master Data Management (MDM) Implementation, Business Intelligence (BI) implementation or Upgrade of SAP.
- Better understanding of master data quality across different systems, to help scope the MDM/BI/SAP Upgrade Project efforts.
- Identification of possible duplicates on a single instance or multiple instances.
- Identification of missing data fields for data completeness.
- Identification of possible list of values present for a particular data field under an entity.
- Identification of consistency of formats of data (Profile consistency).
- Identification of Data completeness in terms of relationship between parent and child relationship in backend ERP or related system master data.

Intelligroup's Accelerators

- Intelligroup proprietary data quality assessment framework iQ-DOT based tool.
- iQ-DOT pre configured templates for accelerating and minimizing the time involved in data quality requirements assessment.
- Intelligroup's highly experienced master data architects and data governance experts with many man-years of similar iQ-DOT project experience in related areas of ERP master data.

Delivery Highlights

- Assessment team presents an Executive level Summary presentation on the health of the Master Data at the site.
- The Assessment team helps educate the Business Data Owners to identify processes that would aid future data governance and control.
- They advise on compliance to SAP Best Practices guidelines for Master Data maintenance, drawn from various customers in related industries.
- The Assessment identifies the over all data quality issues and assists our customers/Intelligroup to arrive at estimates to cleanse data with appropriate people, process and technology combinations.
- Assessment will be completed on time and within budget.
- A formal Assessment signoff by the Customer on Satisfactory completion of the Assessment exercise.

Benefits

- Complete and thorough analysis of the data on system(s) that helps understand the problems associated with data due to people, process and technology issues.
- Data quality assessment would help understand the issues with data before any MDM or BI implementation or Upgrade of SAP.
- Help establish Data Cleansing, Data Migration and the Transformation strategies for the identified business critical Data.
- Assessment results may also help in improvising the currently existing data governance process.

Assessment Team

The project team for the Assessment will comprise of SMEs mainly drawn from the area of MDM or BI or SAP Upgrades.

Additional resources involved can be the technical team to enhance the templates as per customer requirements-

- **MDM/BI Data Architect/SAP Upgrade Technical Team:**
 - Responsible for understanding the business drivers for the development of customer's data management or Business Intelligence organization,
 - Assists in the master data process design, and
 - Helps to lay down the architecture for the master data governance structure.
 - Understands the master data distribution in the customer business landscape and helps design the data transformation effort estimation.
- **Data Team:**
 - Help extract and load data from across systems into iQ-DOT for assessment.
 - Generation of Data Quality reports.
 - Customization of iQ-DOT templates.

Assessment & Scoping Estimates

The initial assessment is estimated to take around 2-4 weeks for a team of 4 FTEs depending on the amount of data to be assessed. A more detailed scoping is necessary to establish an accurate estimate of the assessment project duration. This includes 1 Business analyst from Intelligroup working Onsite for 2 weeks to understand the Data quality requirements and next 2-4 weeks offshore/onsite data assessment exercise.

1. Actual work responsibilities depend upon the nature of the Contract signed with the Customer.

What is required from the Customer?

The data extracts from the source systems for data quality assessment. Business Analyst or Business users who can help Intelligroup understand the data that has to be assessed. In case iQ-DOT has to be deployed at customer site, SQL Server 2005 license is required at the customer site.

Is Data Quality relevant for your Organization?

- Lack of control of consistent & correct data is the main reason for inaccurate reporting, slipping profits due to reliance of incorrect data, higher inventory costs, heavy delays due to incorrect planning and lower customer satisfaction and lower discounts.
- iQ-DOT is a data quality framework which is packaged with a
- predefined set of parameters that facilitate the data quality assessment.
- Data quality and accuracy is critical for any MDM or BI Implementation or Upgrade of SAP system. Organizational performance is directly proportional to the Quality of Data.
- Assessments can identify possible issues with data quality from people, process and technology perspective. It also helps in setting proper data quality governance in place for data quality management.
- Assessment enables to take the corrective action to address data quality issues prior to MDM and BI implementation or Upgrade of SAP.

Key Challenges for iQ-DOT Implementation

- Data Governance policy adaptation and adherence.
- Extent of Data Cleansing influences directly the Quality of data considered in the project.
- Business - and not IT - must take over the responsibility of data ownership and control.

Key features of iQ-DOT framework based data quality assessment tool:

- Built using Microsoft .NET and SQL Studio 2005.
- Has been successfully benchmarked with over 40GB of master data, i.e. over 320 Million records, in a matter of minutes.
- Easily customizable.
- Can read delimited flat files.
- Installable at client site.



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