



InfoBluePrint Data Quality Accelerators

Backed by the InfoBluePrint Data Quality Management Methodology, we have developed specifications, rules libraries, a regular expressions library, solution architecture, data models and reference data for South African party data (e.g. customer, supplier, counterparty, intermediary and employee) that can be leveraged to fast track your data quality project, both architecturally and programmatically.

This solution has several benefits:

- Realise the value and ROI of a data quality software technology purchase much faster
- Avoid time-consuming and costly trial and error development that is inherent to data quality assessment and data cleansing activity
- Immediate access to tried and tested reference data gathered over many years, specifically in the SA context
- Comprehensive libraries of proven business and data rules and regular expressions (regexes) for data validation & correction
- Consistent and reliable results
- Common data models for any data source and any data structure, resulting in re-use and benefit from the same data quality assessment and cleansing code
- Audited programmatic data cleansing – detailed visibility of what was cleansed and why
- Modular design for complete customisation and easy maintenance

Customisable Features Overview



Data quality assessment & validation



Data classification



Repair of mis-fielded data and derivation of missing data



Data cleansing & standardisation

Our Data Quality Accelerators have been successfully deployed in the following technologies:



Customisable elements in detail

Artefact	Description
Data Quality Improvement Methodology	The InfoBluePrint formal methodology addresses all aspects of Data Quality Improvement. Supporting the methodology are comprehensive process definitions, checklists, templates, job aids, educational material and, where relevant, technology-specific material.
Data Quality Rules Library - Assessment	A comprehensive set of consistently defined Data Quality Rules for South African party data applicable to many common attributes and combinations of attributes. Assessment rules are used to determine the degree of compliance of the data to what is regarded as been fit for purpose for the various business processes and analytics that it supports. These are expressed as Business Rules which are plain English expressions in simple business language, together with the associated Data Rules which are the more technical expressions of the Business Rules. One Business Rule typically translates into multiple data rules that can be more easily and consistently coded into the Data Quality technology.
Data Quality Rules Library – Cleansing	A comprehensive set of consistently defined Data Quality Rules for South African party data applicable to many common attributes and combinations of attributes. Cleansing rules are aligned to the Assessment rules and are used to define the programmatic cleansing that must be performed on the data in order to improve that data quality to an acceptable level. These are expressed as Business Rules which are plain English expressions in simple business language, together with the associated Data Rules which are the more technical expressions of the Business Rules. One Business Rule typically translates into multiple data rules that can be more easily and consistently coded into the Data Quality technology.
Regular Expressions Library	At their lowest level, Data Rules often make use of industry standard Regular Expressions (RegExes) in order to consistently define and apply the rules in the Data Quality technology of choice. This is an extensive library of immediately useable, tested and well-proven RegExes applicable to many common party data attributes.
Reference Data Library	Reference data is used within the context of the InfoBluePrint Data Model to support the validation and standardisation of attributes for both natural and juristic persons, such as name prefixes, suffixes, titles, address types, common misspellings, noise data, company types, ID types, telephone area codes, telephone types and common representations of various party data attributes. Reference Data is used both for validation and data cleansing.
Data Quality Technical Solution Architecture	The InfoBluePrint Technical Solution Architecture defines the configuration requirements to implement the relevant DQ tool to deliver consistent, auditable and high-performance data quality processes. This is the architecture within which data is validated, cleansed and augmented.
Generic InfoBluePrint Data Models	The InfoBluePrint Data Model is a logical data model for demographic data, which is implemented physically in a relational database. Client-specific data is mapped against this model. Generic rules are then applied to the model to validate, standardise, parse, correct and augment client-specific demographic data. This approach allows for maximum flexibility, accommodating any data source input, regardless of structural variation. The model also includes all components necessary to effectively and reliably perform batch control on programmatic Assessment and Cleansing processes in the Data Quality technology, as well as a detailed Results data model which forms the basis of a "Data Quality metrics warehouse", against which any reporting and analytics tool can be used to build comprehensive Data Quality dashboards and reports, complete with metrics trending and tracking over time.

Data Quality Reporting Templates

The generic reporting templates ensure that data quality reports are done in a consistent and presentable manner, for all levels of an organisation. Where relevant, data quality tool-specific reporting, e.g. via dashboards, is leveraged for comprehensive data quality monitoring.

About InfoBluePrint

InfoBluePrint is a company dedicated to helping businesses manage their critical business information as a valuable corporate asset. We are uniquely and exclusively focused on Data Management, and we provide specialised solutions and services in the areas of Data Quality, Master Data Management, Data Engineering & Migration and Data Governance.

What we do

DATA QUALITY

We help you manage Data Quality as an ongoing process, which benefits every business area. We ensure that your business information is reliable, complete, consistent, current and correctly interpreted.

DATA GOVERNANCE

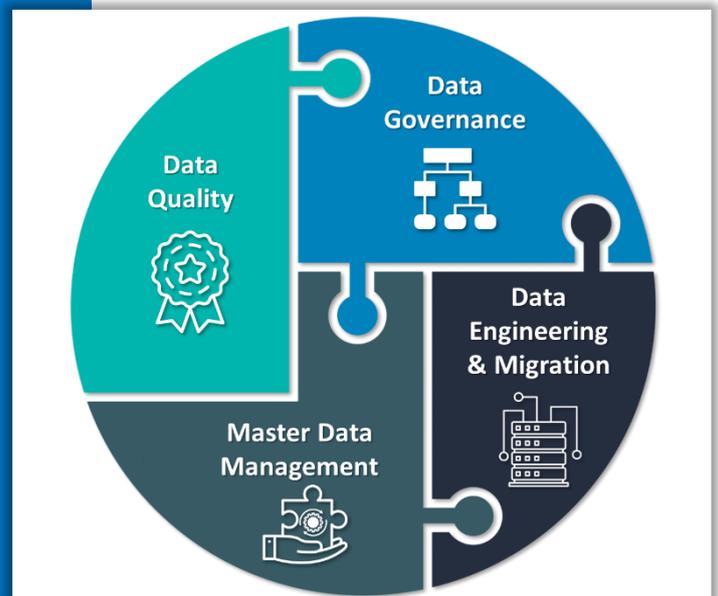
We ensure that all parts of your organisation are working in collaboration with each other, within clearly defined and assigned roles, responsibilities and processes. We help you to govern and manage data with the same rigour as other valuable assets such as finance and people.

DATA ENGINEERING & MIGRATION

We understand that as technology and requirements change, data engineering and migration become key, especially when re-configuring platforms. We improve and reconcile data to ensure it complies with all new requirements and achieves the expected business benefits.

MASTER DATA MANAGEMENT (MDM)

A Data Architecture that includes Master Data Management (MDM) hubs significantly improves an organisation's ability to sustain high quality data and can be a powerful enabler for achieving compliance and successful digital strategies.



Our impact

Companies that we have helped to embrace formal and mature Information Management practices have experienced the benefits that come with quality-assured data. Our clients have enjoyed the following benefits:



**Need to discover how we can help your organisation attain business success through well-managed data?
Please get in touch:**

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