DATA QUALITY MANAGEMENT

CaseWare Analytics Data Quality Module (DQM)

CaseWare Analytics DQM helps businesses to manage data effectively by automating the data quality process, ensuring that all data is accurate and complete. The solution helps organizations embed data quality directly into their operations to serve a greater good, such as monitoring the controls of core business processes.

The solution works to transform your data from all sources in four stages: Profiling, Parsing, Matching and Cleansing. After your data is transformed, CaseWare Analytics DQM ensures ongoing data quality by continuously monitoring both existing and new data, and by employing early detection systems. CaseWare Analytics DQM also allows for a collaborative approach to data quality, alerting multiple people within your organization to data quality issues, so they can be corrected. Access to good quality data saves time and resources while adding value to your business, by allowing you to better connect with your customers, efficiently execute your business processes, and make better business decisions.

CaseWare Analytics Capabilities

DATA PROFILING
Get a complete picture of the accuracy of your data by assessing and validating your data against approved data standards.

DATA CLEANSING
Cleanse your data by standardizing, de-duplicating, validating addresses and geocoding to prevent billing, payment or inventory errors. Data is checked against rules set by you, and is corrected accordingly.

- Standardizing corrects data entered inconsistently or data with no structure

- De-duplicating purges duplicate records to create a single instance of the relevant data

- Address validating automatically finds postal codes and zip codes for Canada, the U.S., and more than 240 other countries

- Geocoding pinpoints the exact geographic location of a customer or product in your database

ONGOING MONITORING
Scheduled and automated monitoring of your data helps to maintain its quality, prevent future errors and improve data collection processes that can mitigate aganist having 'dirty' data in your system.

INTEGRATED WORKFLOW FOR REMEDIATION
Once data quality issues are identified, alerts (equipped with resolution guidelines) are automatically sent to the business stakeholder who can resolve the issues. The workflow engine is completely configurable and will result in a streamlined process including multiple levels of escalation, setting deadlines, etc.

Solution Benefits

ACCURATE VIEW OF OPERATIONS
Ensure reliable, consistent and timely data that provides a true snapshot of your business at all points in time. This helps to improve decision making and achieve greater revenue potential.

COLLABORATIVE FRAMEWORK
Assign data quality issues to the right personnel via an integrated workflow and escalation path, to ensure accountability and issue resolution.

HIGH QUALITY & CONSISTENT DATA
With constantly reliable data, data analytics can provide tremendous insights to help prevent revenue leakage and improve business operations.

CASEWARE
ANALYTICS

Data Analysis	Governance, Risk & Controls Definition and Monitoring	Remediation - Routing, Alerts, Follow-up, Escalation, etc.	Reporting & Visualization - Compliance, Regulatory, Dashboards, Metrics

PROCESS FLOW

PROFILING

Analysing data and obtaining a complete picture of data quality challenges

PARSING

Pattern matching to correctly identify individuals and entities and the relationships between them

MATCHING

Linking data from multiple sources through householding and fuzzy matching

CLEANSING

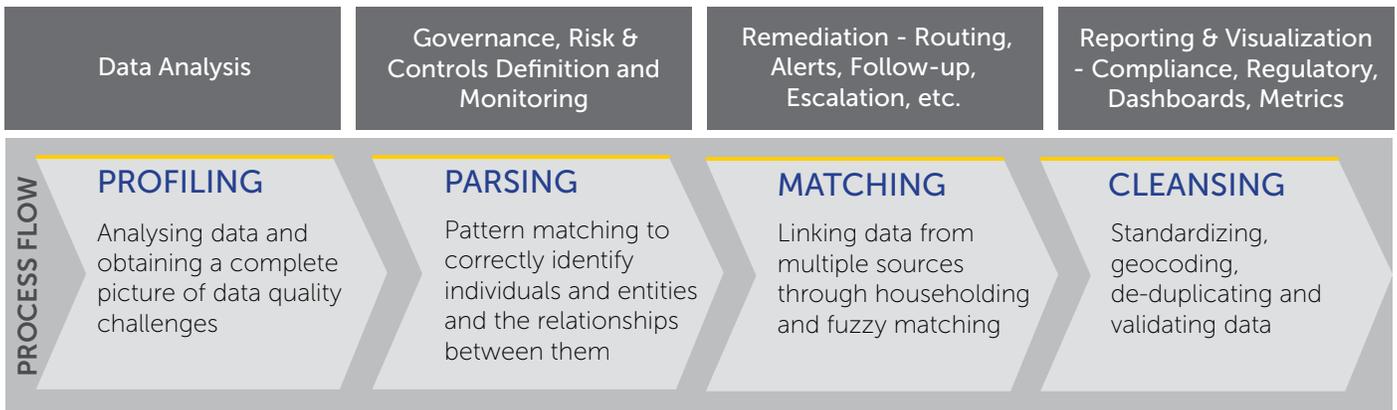Standardizing, geocoding, de-duplicating and validating data

Figure 1 - CaseWare Analytics DQM Platform maintains quality through early detection & ongoing oversight.

Sample Data Quality Analytics

Cross-Matching Data From Multiple Sources

Cross-match data from multiple sources that share common entities (customers, suppliers, etc.)

Identify, link or merge related entries

Consolidate data to correctly identify one customer who is entered into the database multiple times

Group similar data from multiple sources about a person, family, household or company

Data Accuracy

Split full names into component parts

Standardize name prefixes, including honorifics, professional titles and salutations

Assign gender to names through probabilistic gender assignment

Add custom name files for cultural name differences and known aliases

Find postal codes and zip codes for the U.S, Canada and more than 240 other countries automatically

Identify name and address parts in non-standard addresses

Data Cleansing

Standardize data entered inconsistently, improperly fielded or with no structure

Create unique records to avoid errors

Purge duplicate records

About CaseWare Analytics

CaseWare Analytics is home to IDEA® Data Analysis and the CaseWare Monitor continuous monitoring platform. Our software solutions are built on a foundation of industry best practices and expertise, enabling audit, compliance and finance professionals to assess risk, gather audit evidence, uncover trends, identify issues and provide the intelligence needed to make informed decisions, ensure compliance and improve business processes. We offer solutions that meet the needs of auditors, analysts, purchasing card managers, compliance officers and more. With 40 distribution offices worldwide, CaseWare Analytics' products and solutions serve more than 400,000 professionals in 90 countries.

To learn more visit casewareanalytics.com.