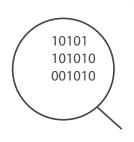


"IDENTIFY DATA PROBLEMS EARLY



Data Testing



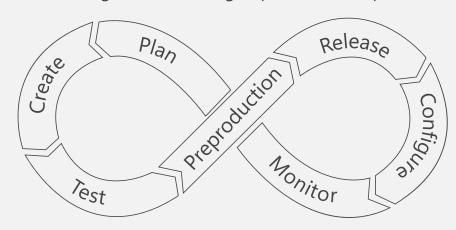
Data Monitoring



Data Observability

THE DATA GAP...

The Data Testing and Monitoring Gap in the DataOps Landscape.



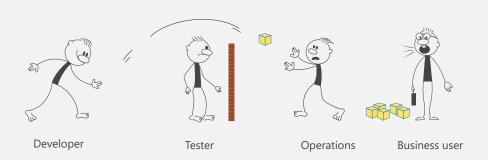
"Less than 1% of organizations have automated their Data Testing and Monitoring for their Big Data, Cloud Data Migration, and Data Warehouse / ETL projects."

Data Testing Gap: Manual testing of data is impossible due to the exponential growth in data (aka big data) and the ever-increasing number of data processes/ pipelines. Lack of data test automation negatively impacts the test coverage, productivity, as well as the quality of the data.

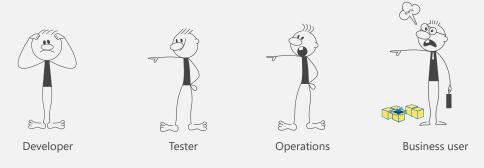
Release Certification Gap: Since organizations don't have the data testing automated, they have difficulty certifying a release. It can take 3x more time to execute the full testing and release cycle.

Data Monitoring Gap: Lack of data observability is a critical challenge in production. The dynamic nature of the data feeds and operational issues often adversely affect the data quality. Not having data monitoring in place not only affects the operational readiness but also exposes the organization to compliance and litigation risks

Siloed Data Development & Operation team is a significant challenge for the smooth functioning and the reliability of production data pipelines. The Data engineering teams only deploy processes without giving due consideration to the quality of the data process. As a result, users start encountering and complaining about data issues in the production environment.

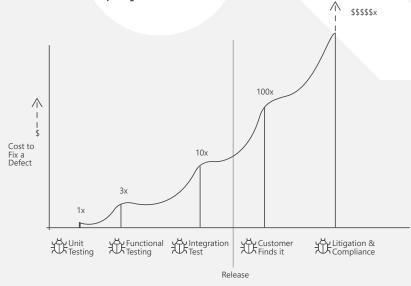


Once the faulty system is live in production, it just becomes a blame game!



#Data Warehouse, #Big Data Lake, #Cloud Data Migration,#ETL, #BCBS-239, #Data Observability, #Compliance, #SOX,#BASEL-ii, Solvency-ii

The Cost to fix data issues in production is 100x more expensive than in the development phase. Hence finding and resolving data issues early in the data development life cycle is essential for a project's success.



It is essential to incorporate the best practices of data test automation and monitoring into any data organization. The inability to do so will be very expensive to the organization:

Cost of Data Defects



Lack of Trust in Data



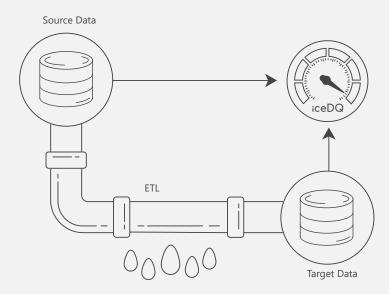
Regulatory & Compliance



Extended Project Timelines



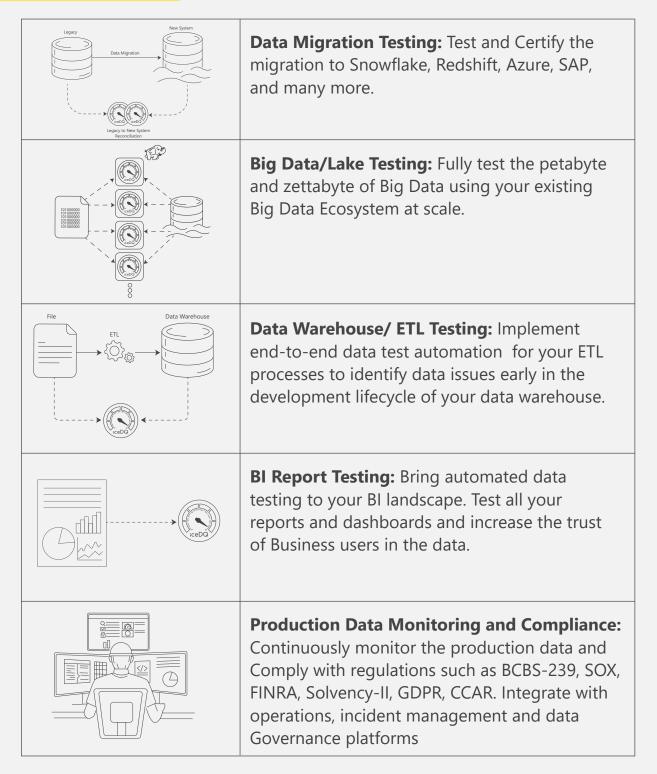
Unified Data Testing and Monitoring Platform



In Development Phase: Use iceDQ to test and certify data processes and to ensure that poorly developed processes that will cause data quality issues in production are not deployed in production.

In Production Phase: iceDQ's business rules-based engine is used to continuously observe data in production. When a data anomaly is detected, it notifies or stops the data pipeline, thus preventing bad data from causing havoc in your production system.

iceDQ Editions: The HT Edition is an in-memory rules engine that uses multi-threaded architecture to processes millions of records. In comparison, the Big Data Edition is spark-based and uses a cluster of machines to test and certify petabytes of data.



iceDQ Principles

iceDQ believes in an integrated approach towards data engineering and data quality management. We believe that organizations should

- Implement shift left testing approach and move testing processes early in the data development life cycle
- Capture the data audit requirements in parallel with business data requirements.
- White Box data monitoring rules must be built and deployed as part of production release.
- Perform full volume data testing instead of data sampling

Why iceDQ?

0%

- Rules based engine to test, validate and monitor the data
- High performance and scalable in-memory engine that can be deployed anywhere.

70% Improvement in Productivity

200% Increase in Test Coverage

33% Reduction in Project Timeline

Zero Defects in Production



Trusted By

Healthcare

Anthem.

Louisiana FOUNDATION

healthfirst

1 meridian

Pfizer

naviHealth 🔏

JOHNS HOPKINS
SCHOOL of EDUCATION

Magellan HEALTH.

TUFTS Health Plan

Retail

Albertsons

STAUP!

Insurance Legal & General

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Morgan Stanley















PIMCO



WELLS FARGO A THE STATE OF THE

Integrations

Government &

LOCKHEED MARTIN

Defense

Manufacturing &

PEPSICO

CARNIVAL CORPORATE SHIPBUILDING

BOARDWALK

PIPELINES

Food

Technology

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RAILING

Odyssey

CDK GLOBAL

SCRIPPS

accenture

Travel &

Leisure

GRAND CIRCLE TRAVEL

interval































































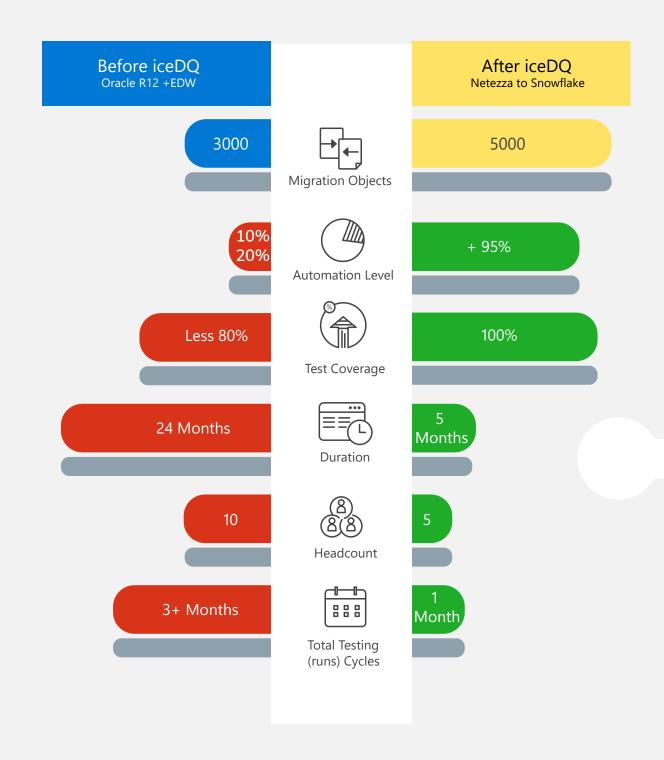




Case Study: Data Migration Netezza to Snowflake

"I don't want to go through the same mess again, because it took us a year and a half to get it right"

Director - Business Analytics, Software Company



Case Study: ETL Data Warehouse Test Automation - Healthcare

"We have thousands of ETL processes, we completely eliminated manual data testing with iceDQ"

Director - Engineering, Ent. Data & Analytics - Healthcare

- 20% Efficiency Gain in just Test Execution with 100+ daily active users.
- 100% Stability in production environment as data anomalies were already addressed during testing.

iceDQ's Rules based testing has ensured that not even a single healthcare record is misrepresented.

Case Study: FINRA & BCBS-239 Compliance - Financial Services

"We got iceDQ for Back-office data migration testing and now we also started using it for regulatory compliance."

VP – Data Architect Financial Services 100% Compliance for FINRA data audits.

100% Compliance for BCBS-239 data reconciliation.

FINRA congratulated the customer for the most accurate submissions.