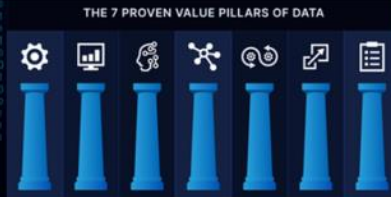QuerySurge:
Seven Proven Value Pillars
Data You Can Trust. Pipelines You Can Prove

THE 7 PROVEN VALUE PILLARS OF DATA

The Seven Proven Value Pillars of Data

Query*Surge* delivers the automation, intelligence, and scalability needed to validate every stage of your data pipeline - from ingestion to insight.

These seven pillars define how QuerySurge delivers **measurable business value**.
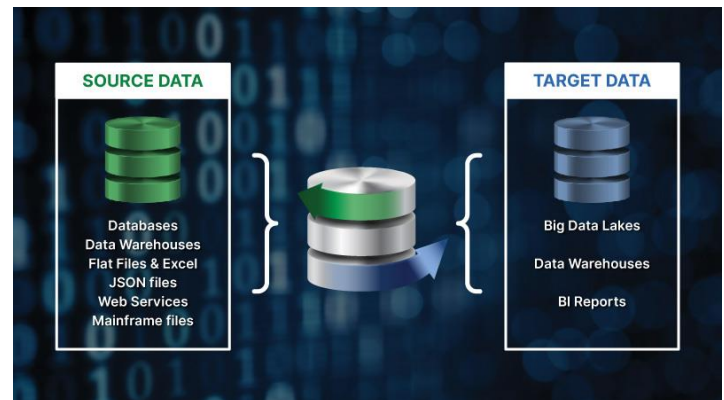
1. Purpose-Built Data Validation and ETL Testing

Query*Surge* was explicitly engineered for data pipeline testing. It automates the validation of transformations and precisely reconciles source-to-target data.

Query*Surge* performs row-by-row and set-based comparisons, verifies complex calculations, and efficiently handles large-scale test executions.

Key Benefits:

- Full data coverage, ensuring nothing slips through the cracks

- Validate complex transformations and calculations

- Ensure schema and aggregate consistency

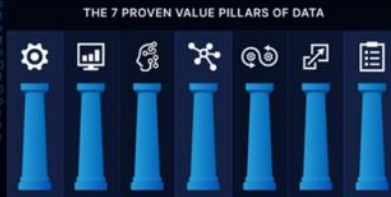- Detect data drift early through automated baselines

Value:

Prevents costly downstream data issues by validating every transformation at scale. **Learn more>>**

QuerySurge The Leader in Enterprise Data Validation of your CI/CD Pipeline

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2. BI Report Testing

QuerySurge's BI Tester module verifies that the data visualized in BI dashboards matches source data exactly. It validates cell-level accuracy across Power BI, Tableau, Strategy, Oracle BI, SAP, and Cognos. Whether for migration, regression, or version upgrades, QuerySurge ensures report integrity.

Key Benefits:

- Test data from the visual layer down to the cell level of the data store
- Automate regression and upgrade testing
- Validate multi-vendor BI environments

Value:

Guarantees that business decisions are made on verified, trusted analytics. **Learn more>>**

3. AI-Powered Test Creation

QuerySurge AI automates and accelerates test generation by using generative AI to interpret mappings and metadata. It transforms natural language or documentation into executable validation logic, reducing manual effort and boosting test coverage.

Key Benefits:

- Generate SQL-based tests from mappings or descriptions
- Expand coverage for complex transformations
- Reduce manual scripting time dramatically
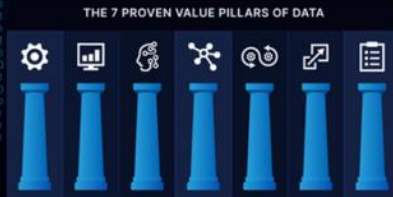- Reduce the need for testers skilled in SQL

Value:

Accelerates test creation while improving accuracy and coverage. **Learn more>>**

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4. Broad Data Connectivity

QuerySurge integrates with virtually every data technology in your ecosystem - cloud, on-premises, or hybrid. QuerySurge supports data lakes, data warehouses, traditional databases, flat files, XML, Excel, mainframe, JSON, and any other JDBC-compliant data structure.

Key Benefits:

- 200+ connectors

- Cloud and on-prem data source support

- Vendor-agnostic architecture

Value:

Provides a single unified platform for testing data across every layer of the modern stack. **Learn more>>**
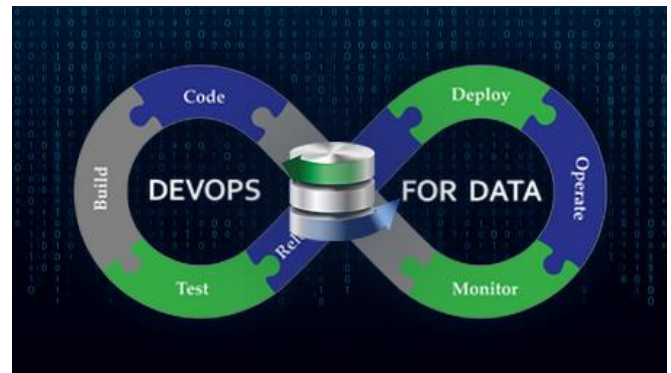
5. CI/CD Integration

Query*Surge* embeds data validation directly into your CI/CD pipelines. Seamlessly connects with virtually any DevOps or CI/CD solution in the market, along with 100+ interactive API calls with Swagger documentation, and data quality checks become part of your continuous deployment flow.

Key Benefits:

- Integrate via RESTful API or through webhooks

- Trigger tests automatically during builds and releases

- Create, execute, and update tests and data stores on demand

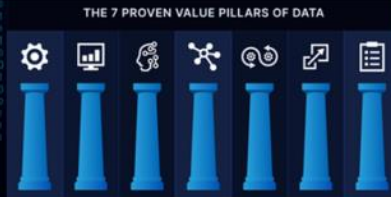- Establish data quality gates in DevOps workflows

Value:

Enables continuous data testing and early defect detection in agile environments. **Learn more>>**

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6. Scalability

Built for enterprise performance, Query*Surge* scales horizontally with distributed agents and parallel execution. It handles billions of records and thousands of test cases across global data environments without performance degradation.

Key Benefits:

- Distributed architecture for parallel testing

- Elastic scaling for large data volumes

- Enterprise scheduling and workload management

Value:

Ensures fast, reliable validation for even the largest data ecosystems. **Learn more>>**

7. Audit-Ready Reporting

Every QuerySurge test produces verifiable, traceable results. Interactive dashboards and Data Intelligence Reports offer clear visibility across data flows, ensuring transparency for audits and governance.

Key Benefits:

- Lineage-aware result tracking

- Exportable proof for compliance

- Enterprise dashboards for reporting accuracy

Value:

Provides trusted, audit-ready evidence for data quality and compliance initiatives. **Learn more>>**

Build Confidence in Every Data Decision

QuerySurge unites automation, intelligence, and transparency to ensure that your data is accurate, reliable, and analytics-ready. With Seven Proven Value Pillars as its foundation, QuerySurge empowers enterprises to deliver trusted insights faster and more confidently.