



TestDrive is a testing framework for your data and the processes behind them, using reusability to turn your quality assurance from cost to investment

## THE TESTING CHALLENGES

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With growing complexity of data integration projects, testing is more important than ever. The data driven decisions we take every day can only be as good and accurate as the information we use. However, testing is usually subject to three major challenges:

- **Setup complexity** – The process of preparing test environment is complex and time consuming, making extensive testing difficult.
- **No repeatability** – Tests are not easy to repeat, repeating a test usually takes as much time and effort as doing it for the first time.
- **No traceability** – There is no way to find out when a particular test failed or passed, or what code changes have been submitted in the meantime.

## THE SOLUTION

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### Flexible testing options

Assuring proper data quality requires a combination of various testing methods and approaches, variety of which is available in TestDrive. You can test a complete ETL/ELT process, validate your data by specifying acceptance criteria or even validate your ETL coding standards.

### Centralized test cases, test data storage and management

TestDrive stores complete test related information, including the test scope (input and output definitions, execution steps, environment configuration) as well as the test case data (input data as well as expected results). All the information is easily accessible and searchable to ensure highest user effectiveness.

### Easy test case authoring and management

Usability and ergonomics of the user interface are one of the key development priorities. The whole system is built with the goal to enable the users to perform the most common operations with shortest time possible.

### Flexible deployment options

TestDrive architecture is modular and supports several deployment models, starting from tiny installations suitable for supporting a small development team with a single environment up to large teams with multiple development, test, and integration and production environments.

### Automatic test setup, execution and results evaluation

One of the biggest challenges with ETL testing is the complex setup required. Manual deployment of the input data to complex environments with several databases and a number of data files can take significant amount of effort each time the test needs to be run. TestDrive makes sure all the input data is properly prepared. This includes archiving existing data, preparing and delivering test data to the correct input locations. After performing execution, it captures the generated output, generates a test report and restores the environment to the initial state. Test reports include comprehensive information from the top level statistics to details results comparison on every row field.

## FEATURES AND BENEFITS

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### Improve data quality

The data we are processing and delivering every single day is used to make business decisions. Those decisions can only be as good as the data. Ensure that in your organization the data is valid and trusted.

### Increase value of every single test

Test case preparation is time intensive and costly. The best return is realized when tests can be reused. TestDrive ensures that test cases are saved and managed, allowing your QA teams to leverage existing tests as your application evolves over time.

### Reduce testing overhead

Do not spend time and resources on performing manual, error-prone operations of copying input data, executing tests or comparing results. Instead, let your team focus on defining test strategy and preparing test cases that will increase coverage and establish your confidence in the test results.

### Manage your testing repository

Tracking and auditing becomes one of the key components of quality. In the world where requirements are changing more often than ever and IT needs to address those changes quickly and efficiently, knowing your testing assets and managing them in an effective way allows you to build on the work that has been previously done, operate more efficiently and deliver quicker and better results.