

Testing Methodology and Test Automation Tooling Within The Data Engineering Space.

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Scope



The scope of the project is to modernise the current testing approaches of the Data Engineering, Data Science and Business Intelligence teams within the RBS Finance area: Extract-Transform-Load processes and front-end web functionality testing. This will be followed with the implementation of a Test Automation tool.

Benefits

Operational Efficiency
Reduced time to accomplish tasks and ensure smooth, efficient system performance.

Quality
Quality, reliable results due to coordination and less manual intervention.

Consistency
Ensures identical actions every time, producing same level of user experience and quality.






Cost Reduction
Reduction in manual tasks will help to accomplish more in less time and using fewer resources.

Time Saving
Reduces number of manual tasks, frees up employee time and add genuine value to business.

Governance
Ensures that significant corporate processes are carried out in accordance with industry standards.

Approach

Three stage process:

-  Research of test strategies and paradigms, as well as automated solutions or tools that are common within the Data and Software Development industries.
-  Implementation of the best fit methodology, paradigm or tooling to adopt.
-  Production of Proof-of-Concept Report demonstrating potential benefits of selected solution.

