

Test Automation in Action

INDUSTRY
Manufacturing

CONCORD CAPABILITY
Data Solutions & Analytics

Project Overview //

Customers expect a seamless experience with your brand – every single time. If you're unable to deliver, you may lose out on a single order or a lifetime customer.

Our global electronic component distributor client needed to solve data discrepancies created during order submission. A defect caused pricing information to go missing from particular products when added to a shopper's cart. Multiple factors affected the price of a product, including missing parametric data for a given item.

To mitigate the issue, our client realized the need for a thorough testing process to capture issues before they reach production.

Project Results //

The Concord team created an automated API testing framework that identifies and mitigates the risk of data discrepancy with each data load. Our framework handles huge amounts of data-- about 13+ million records flow through multiple data sources and geo-regions. Data is fetched from both source and target systems to validate that there's no data discrepancy while loading data into the systems.

Ultimately, the development team now knows exactly where a discrepancy occurs and learn these results earlier in the data load cycle.

As a result, our client:

- // Shifted testing left, enabling the development team to test faster
- // Reduced production data defects/issues by 93%+
- // Reduced defect identification from days to seconds and defect triage time from hours to minutes!
- // Enhanced testing capability to run millions of records and data comparisons
- // Runs tests with a 95% success rate