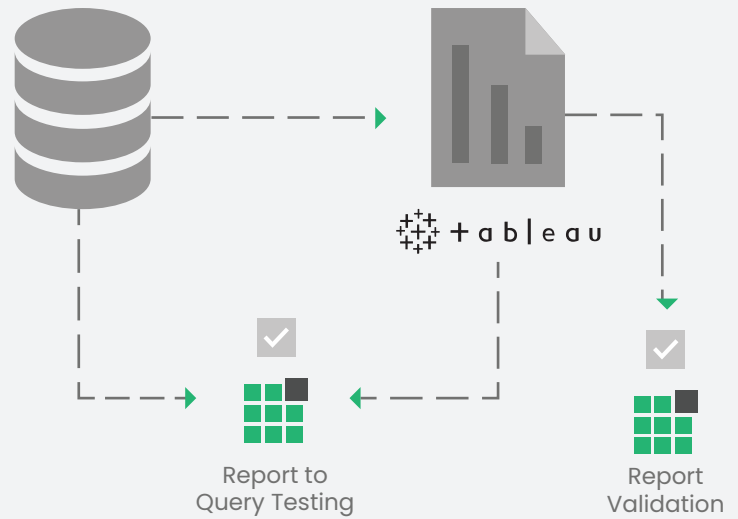


## Customer Objective

- Customer is a leading American pharma company.
- Customer has over 11000 Tableau users with six different tableau production environments.
- With Tableau frequently releasing new versions, Customer wanted to regression test the thousands of reports and dashboards.
- Customer also wanted the ability to functionally test the dashboards and reports.



## Business challenges

- With thousands of Tableau workbooks to regression test, Tableau platform team frequently asked the business users to perform the testing whenever there was Tableau upgrade.
- Even with the business team involvement, the testing was manual and error prone.
- Business often did not trust the metrics in the report because of lack of proper functional testing

## Technologies

-  tableau
- BI Validator

## Solution

- Customer implemented BI Validator for automating the regression testing of Tableau upgrades using the Report and Upgrade test plan.
- Performance testing was done using BI Validator's Performance test plan. The results were reported using a Tableau workbook.
- BI Validator's Stress test plan was used to simulate concurrent user load for testing the performance of the Tableau upgrade.
- Tableau workbook developers used the BI Validator's Data Compare test plan to compare report data with SQL query output.
- BI Validator's functional test plan was used to regression test the filters, parameters and report data.
- BI Validator's catalog test plan and security test plans were used to compare the workbook permissions and user access between the pre-upgrade and post-upgrade environment.
- Customer has 25 BI Validator users performing tests on the six production Tableau environments

## Benefits Realized

Reduction in upgrade testing time by

**45-55%**

Reduction in functional testing time by

**25%**

Reduction in QA Cost by

**20-30%**

Overall reduction of TCO by

**20%**