

Tableau Optimization results in 91.11% of Improved Efficiencies in Reporting

BizAcuity



About the Client

A multinational company based in USA, which has been connecting and Inspiring people around the globe with impactful meeting and event experiences since 1937. Client serves 1000 planners on daily basis with a set of 8500 skilled professionals. With a commitment to world-class service, our client takes pride in what they do, and have been doing it exceptionally well for more than 80 years.



The Opportunity

- ✓ Client was facing issue due to less usable (un-optimized) Tableau reports.
- ✓ Tableau Reports had to be accessed simultaneously by most of the organization, accounting to nearly 1500 individuals, making the reporting generation process slower.
- ✓ Tableau report generation time frame had to be brought down to increase usability of reports throughout organization.
- ✓ Un-optimized hardware running on legacy servers– Issue with Virtual environment/ Shared Infrastructure.

Approach

Various Data points were gathered and considered to identify the slow nature of report generation

Data Points

- ✓ Tableau Processes and Execution Times for 25, 50, 75 and 100 concurrent users
- ✓ Server RAM, CPU, I/O utilization during Reports' execution

Tools Used

- ✓ Tableau performance monitor and many more

Analysis

Given data sets were analysed, dashboard specific and generic tableau environment problems were identified. Various settings of items were iterated and a feasible solution was selected as per client's need.

- ✓ Dashboard Design : Dashboard Specific
- ✓ Tableau Extract Query : Dashboard Specific
- ✓ DB Table Structure : Dashboard Specific
- ✓ Tableau Server Configuration : Impacts all dashboards
- ✓ Hardware and Infrastructure : Impacts all dashboards

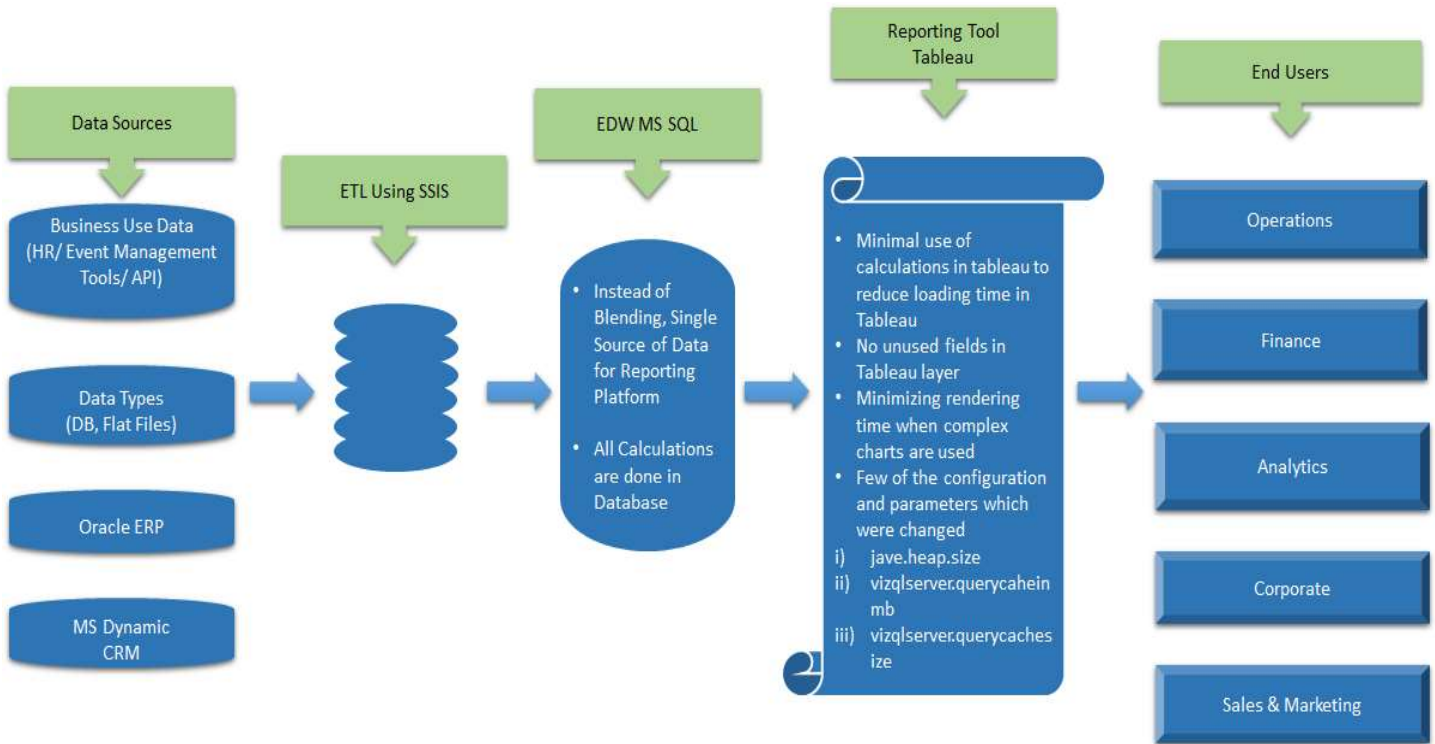
Results

- ✓ Reduction in dashboard response times for all required dashboards to 8 seconds from 1-1.5 minutes.
- ✓ **91.11% optimization** achieved.
- ✓ Tableau extract refresh times also reduced in this process.

Business Benefits

- ✓ Early delivery of dashboards
- ✓ Better user engagement and experience
- ✓ Tableau utilization increased in general across the organization





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