

# Improving Load Speed & Performance with TIBCO Spotfire

Customer Case Study - An international manufacturer and designer of lenses



## Business Need

The client holds 22 Whip and Ship Reports in Spotfire, which hit the database all at once every 2 hours, bringing down the database server, Client's Management team partnered with Syntelli to provide a solution for this case.



## Customer Challenges

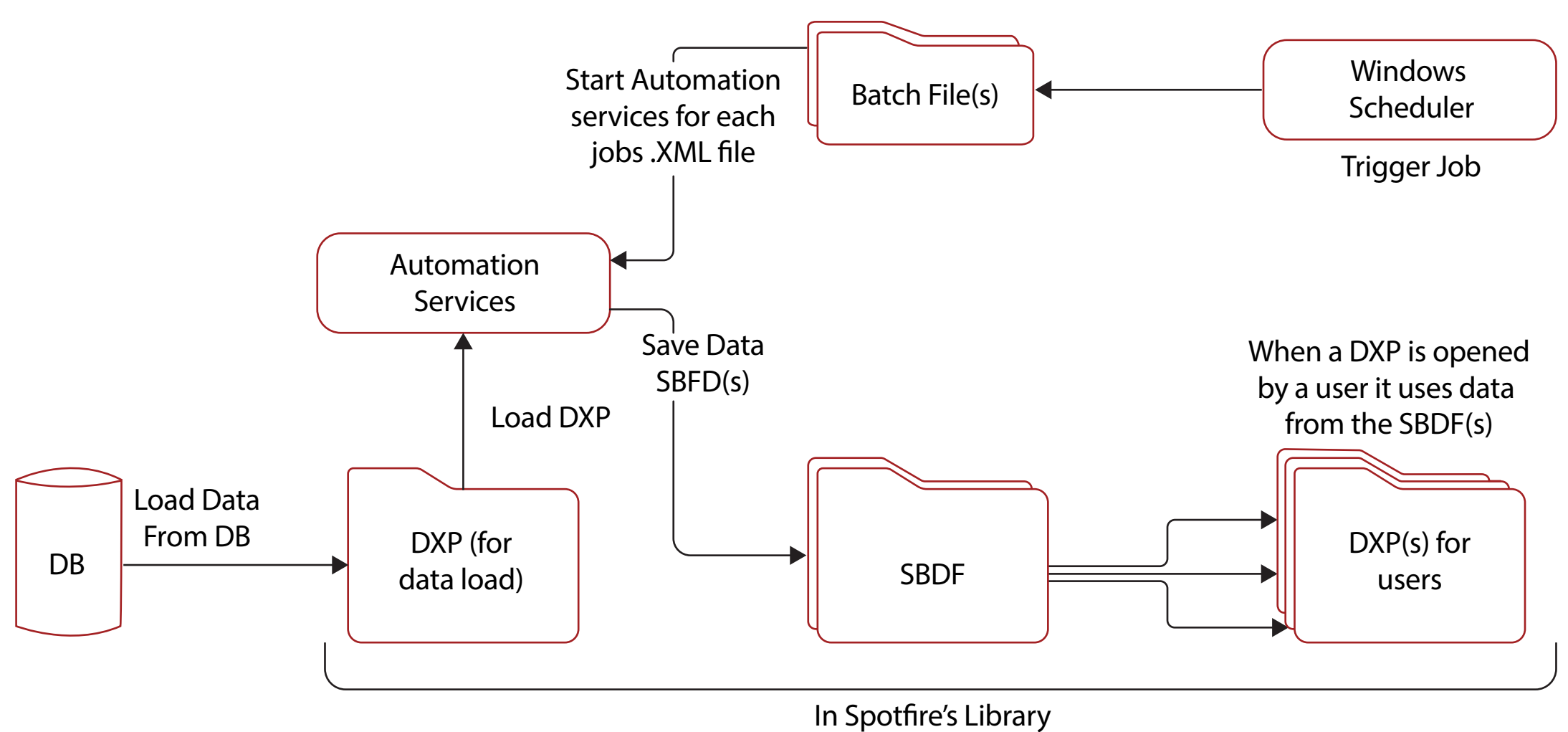
The database holding the reports being a Transactional Database, brought down the data server due to multiple transactions, each time the reports were called. This scenario caused an outage in production, on multiple occasions.



## Solution Provided

- Syntelli analyzed the issue and requested the Infrastructure Team to move the Data from a Transaction Server to a new server.
- Reduced Database Traffic - Instead of hitting the database each time, we used 2 information links to call the database. Using the information links, we created one DXP which contained 10 visualizations per information Link.
- Created the Table Visualization and used Iron Python to export each Visualization as a data-table in a SBDF Format file.

Syntelli created a solution where data from sources was periodically loaded and stored as compressed files in the Spotfire library. Once the data was in the library, multiple analyses (DXPs) could use the data. To achieve this in a convenient manner, we recommended using Spotfire Automation Services that would be helpful in using the new Export Data Table to Library in Spotfire 7.6 which allows saving SBDFs to open the analysis quickly and without hitting the database.



## Impact of Solution

- Significant reduction in traffic to the database with elimination of the server down issue, due to the use of only 2 information links.
- Reduction of impact on the database & Spotfire CPU, and lower memory usage from scheduling and updating reports, by loading from SBDF saved in Spotfire Library.
- Migration from Spotfire 7.0 to 7.11, enabled leveraging better features stated above.



## Technology Used

