

# Provider Data Quality Mass Update Tool

Building a Data Cleaning Tool That Leverages McKesson Data Sets



Java  
Spring/  
Hibernate  
McKesson



9 months

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## Challenge

Our client bought a new Provider Information Management System (PIMS) from McKesson in order to improve the quality of the existing data set, but they encountered multiple issues with the implementation. The component that was supposed to update mass amounts of data had limitations and was not able to use specific business rules to implement custom logic.

In order to use McKesson services, they weren't able to directly touch/meddle with the database of the system, so they bought a solution from another vendor that was supposed to fix these issues. The solution wasn't working and time was still running.

Our client needed a system that would consume and update data from various sources and then process them in a predetermined path, so they decided to build it on their own.

## Solution

In a limited amount of time we had built a data gateway that would prevent ingestion of corrupted or duplicated data from third party systems.

The new tool is able to:

- ingest external data
- apply configurable business rules
- compare it against live PIMS data
- allow either automatic or manual updates of the PIMS data

In addition, the tool provided reporting capabilities on the volumes, data trends and timelines.

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## Use Case

With this custom framework, our client was able to enhance the member and prospect experience, but also respond to the California Department of Managed Health Care expectation for a more timely data validation.

We were able to deploy the solution in 9 months, which means it was delivered in less than 40% of the time initially allocated for this project (the client initially started working with another vendor, but switched to us since they could not afford to have delays).

Overall, the use of this tool allowed an almost complete workflow automation, resulting in substantial resource savings on the client side (more than 10,000 working hours saved).

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