

# Federal US Agency use Business Data Quality's BDQ Analysis to understand the quality of their data assets

A Federal US Agency is currently implementing an improvement programme to consolidate a number of its existing IT applications. As part of this process, the BDQ Analysis has been used to help address some of the data quality aspects of the program, such as duplicate records, consistency and accuracy.

To successfully de-duplicate records and improve the overall quality of the data, the project team quickly concluded that they needed a comprehensive picture of the data in question. Timeframe pressures and the volume of data involved meant a traditional, manual-based data analysis approach was not suitable and that so the team looked to a tool-based capability instead.

The team decided to utilize data profiling technologies for this purpose and chose the BDQ Analysis for its ability to handle large data volumes, its capturing of key information (such as value / pattern ranges, uniqueness, nulls, etc.) and ability to test consistency of data in multiple applications.

With the project at its initial stages, the team decided that BDQ Analysis would be best deployed in a tactical manner - focusing on key tables within particular applications - in support of the consolidation goals. To this end, the BDQ Analysis analyzed approximately 100gb of system codes, geographic and customer data with the results forming a key input into a number of areas of the project, including:

- Identification of poor quality data, requiring corrective maintenance
- “Root-cause” analysis of data-related issues.
- Provided information for the development of data migration and data cleansing routines
- Input into the development and refinement of business rules used within solution components.

## Understanding. Knowledge. Progress.

The BDQ Analysis has proved itself to be an effective capability for the project, recognizing the fact that a similar level of detailed data analysis could not be reached with the same timeframes and effort using traditional, SQL-based techniques.

Furthermore, the BDQ Analysis proved pivotal in providing key input into a number of areas, not least helping the project team to raise the quality of the Agency's data, whose mission is to provide the highest levels of service to its customers.

For more information

For further information about this case study, or to be contacted by a member of the BDQ team please contact us at:

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