DATA WAREHOUSING in Profitbase Tool



ABOUT THE CLIENT

Client is a Durable Medical Equipment (DME) company based in the U.S. and operating in almost all the states



SITUATION

- Client had an opportunity to build a new database structure by restructuring the existing reporting infrastructure and migrate the Tableau reporting infrastructure of the newly acquired entity on Profitbase environment in order to improve the ease of data consumption & streamline the data flow.
- Merilytics partnered with the client to align their new Tableau reports with the existing reporting structure. Also, restructured the existing Data Warehouse to build Dimension and Fact tables to improve the overall quality of reporting.



VALUE ADDITION

- Easy to maintain consolidated data. Profitbase UI is very easy on the eye and very intuitive, no need to write very large codes to build a data warehouse only a drag and drop will be sufficient.
- The automation of data flow was easily done using Profitbase studio data management system
- Profitbase has in-built ETL processes to streamline the data flow and building the customized multidimensional cube easily

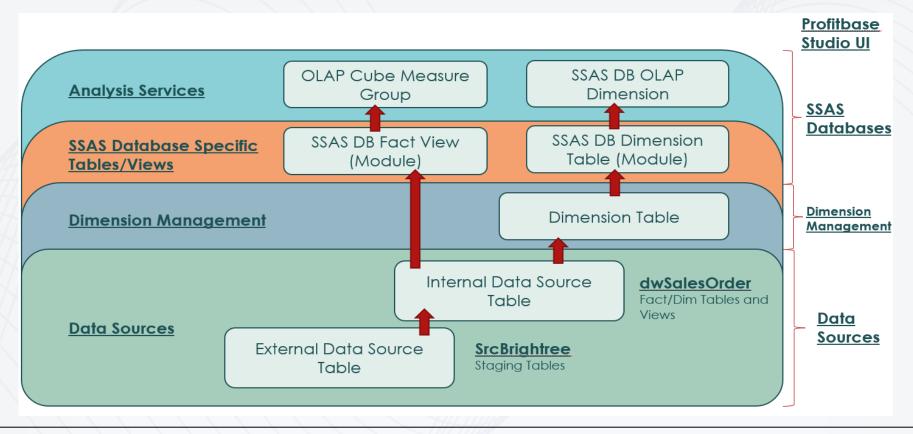


IMPACT

- Enabled the client to use a data source for multiple reports instead of creating multiple views, and reduced the duplication of the data
- Reduced the transition time of any new company acquisitions
- Enabled fail secure data refresh process



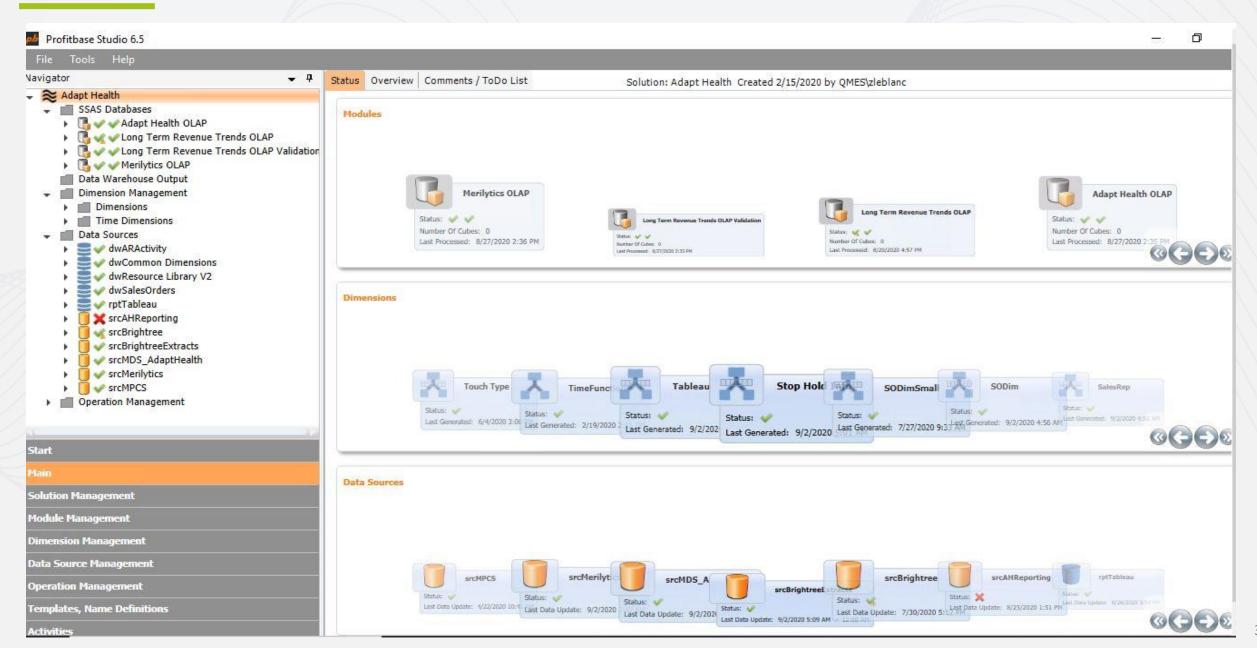
APPROACH AND METHODOLOGY USED IN CREATING A DATA WAREHOUSE IN PROFITBASE



- There are three main areas in a Profitbase Studio solution: **Data Sources, Dimension Management, and SSAS Databases**. Data arriving in the solution is first staged in an External Data Source table. From there the data can be moved into another Internal Data Source table where additional transformations may be applied. From here the data can take one of two paths (see Figure 1 above).
- Dimension data is saved in two additional places on the way to Analysis Services: a general, "template" dimension table and a SSAS module (database) specific dimension table. There is no additional UI that provides visibility into the contents and status of the SSAS module specific dimension table. In order to browse the data available in a module specific dimension table one must query it from SQL Server Management Studio.

PROFIT BASE MAIN VIEW









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Facility Dimension table to maintain all the attributes of the Facility in a single place.





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ArActivity Fact table to maintain all the measures, and only foreign keys to reduce the processing and the storage





