* Identify the business requirements and document the usage expectations of USAA Decision Science Analysts, in terms of leveraging the data from the data warehouse and the corresponding data marts.
* Analyze the existing process, system and data and present the results of the analysis to the USAA Decision Science Analysts and Enterprise Architects in order to refine and logically structure the existing requirements.
* Define the structure of the Data Warehouse by creating the conceptual and logical data models for the data warehouse and also document the source to target data mapping at a conceptual level, between USAA’s transactional source systems, data warehouses and the corresponding data marts related to USAA Decision Science Design Analytics team.
* Participate in architecture design meetings to drive system design to meet architecture guidance.
* Build the physical Data warehouse data base structures & corresponding data marts and populate the data ware house by extracting, transforming and loading the data destined for the Data Warehouse from the source database systems (such as DB2, Oracle).
* Build and schedule data pipeline jobs for batch loading the data warehouse systems and data marts, in accordance with the business requirements.
* Perform unit and integration testing for the data warehouse & data marts, to validate the structure, correctness or quality of the data warehouse data.
* Evaluate the performance of the data warehouse systems and the data marts to ensure that the data access is at optimal level.
* Troubleshoot data quality issues within the source systems, data warehouses and the data marts and deploy appropriate fixes to maintain quality and performance.
* Perform code reviews, design reviews and test case reviews to ensure that the best practices are incorporated during the entire lifecycle of Data warehouse and data mart development in order to ensure quality of the end product.
* Report the progress with USAA and TCS Management and update the tasks in IBM RTC.