

User Stories

Title	Description	Acceptance Criteria	Definition of Done	Definition of Ready
Migrate Oracle Tables to AWS Redshift	Migrate all relevant tables from the Oracle database to AWS Redshift to enhance data processing capabilities.	All specified tables are successfully migrated to AWS Redshift without data loss.	All tables are migrated, validated for data integrity, and accessible in AWS Redshift.	Oracle database schema is well-documented and up-to-date, and AWS Redshift is operational.
Convert and Optimize Stored Procedures for AWS Redshift	Convert existing Oracle stored procedures to AWS Redshift and optimize them for better performance.	All stored procedures are successfully converted and optimized, with a 25% improvement in data processing speed.	Stored procedures are converted, tested, and optimized in AWS Redshift.	Current Oracle stored procedures are documented and AWS Redshift is operational.
Implement Data Integration Using AWS Glue and EMR	Set up data integration processes using AWS Glue and EMR to ensure seamless data flow and processing.	Data integration processes are implemented with zero downtime and validated for accuracy.	AWS Glue and EMR are configured, data integration processes are running smoothly, and data integrity is maintained.	AWS Glue and EMR services are available and operational.
Ensure Data Integrity and Security During Migration	Implement measures to ensure data integrity and security during and after the migration process.	All data is encrypted during transit and at rest, and complies with GDPR and HIPAA regulations.	Data integrity and security measures are in place, tested, and compliant with regulations.	IT Security Team is available to provide expertise and support.

Conduct User Acceptance Testing (UAT)	Facilitate UAT with IT department, marketing teams, and dealers to validate the new system's performance and usability.	UAT is completed successfully with approval from all stakeholders.	UAT feedback is collected, issues are resolved, and stakeholders approve the system.	
Validate Performance Improvement	Ensure the new system handles queries at least 25% faster than the current Oracle setup.	Performance tests show a 25% improvement in query handling speed.	Performance tests are conducted, and results show the required improvement.	Performance testing tools and environment are set up.
Maintain Usability of the New System	Ensure the new system maintains a user-friendly interface similar to the existing Oracle system.	Users find the new system interface intuitive and easy to use, minimizing training needs.	Usability tests are conducted, and feedback shows user satisfaction.	Usability testing criteria are defined and stakeholders are available for feedback.