

DATA TRANSFORMATION FOR LEGACY SYSTEM MIGRATION

INTRODUCTION:

As part of the Blueprint Two strategy, a leading organisation partnered with Engaging Data to execute a large-scale data transformation project.

The initiative focused on migrating key data points from legacy mainframe systems to a modern AWS Redshift microservice architecture, ensuring continuity for historical data reporting and information accessibility.

CLIENT BACKGROUND:

- Insurance
- Global
- Digital Transformation, Modernisation

The client relied on two legacy mainframe systems running on DB2 databases, which were set to be retired.

These systems housed critical data required for historical reporting, necessitating a seamless transition to the new architecture without full-scale data migration.

CHALLENGES:

The organisation faced several challenges:

- Extracting and identifying critical data points from legacy mainframe systems.
- Ensuring compatibility with AWS Redshift for historical reporting.
- Managing unstructured data formats within the new architecture.
- Coordinating across a large global team of over 600 stakeholders.
- Reducing project timescales while maintaining data integrity.

ENGAGEMENT:

Engaging Data deployed data analysts, data modelers, and system experts to lead the transformation project.

Key contributions included:

- Identifying and mapping data points from the legacy systems, stored in S3 buckets as parquet files.
- Assisting in repointing data access to utilize the new AWS Redshift architecture, ensuring seamless data retrieval.
- Working across a global team of 600+ stakeholders, including client teams and partners, to ensure alignment.
- Incorporating non-structured data types within the new system, enabling historical reporting without full data migration.
- Introducing best practices and techniques to streamline processes and reduce implementation timelines.

CONCLUSION:

Through expert data transformation and strategic implementation, Engaging Data successfully transitioned critical legacy data into a modernised architecture.

RESULTS:

The collaboration delivered significant benefits, including:

- A modernised data infrastructure enabling seamless access to historical transactions.
- Reduced reliance on legacy systems without data loss.
- Improved data accessibility for end-users within the new AWS Redshift solution.
- Enhanced efficiency through best-practice methodologies introduced by Engaging Data.
- A scalable framework ready for future expansion and innovation. compliance.

LET'S MAKE YOUR ORGANISATION A SUCCESS STORY!

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