

Migrating Production Applications to the Cloud – Court Systems


Customer Objective – Migration of on-prem Informix application to Dynamics CRM in the cloud

The customer had a large project involving 90+ distinct on-prem installed Informix applications where tables are migrated to Dynamics CRM. Before consumption into ADLS as compressed and encrypted files, a large set of user-defined business rules validate the datasets. Post the ADLS transfer, data is loaded into Dataverse. Multiple environments are run simultaneously to meet the project timeline demands; thus, automation and transferability of test cases and systems are a must.

Business challenges

- Data Migration from 94 distinct sources.
- User-defined business rules.
- Data Formatting Validation.
- Transformation Validation.
- 20 test cases per Dimension and View.
- Data Comparisons Between Environments.
- Encrypted & Compressed Files Systems.

Solutions

- The customer implemented  DataOps Suite to help with multiple objectives with template systems, wizards, and automation as the main pillars.
- Migration Validation was achieved using the Suite's proprietary wizard for automatic test case creation.
- Parameterized Business Rules were created using the low-code/no-code rules system, which was deployed using the import-export functionality.
- Up to 400 files per system are validated with each environment.
- The application seamlessly connected to the CRMs, Azure, SQL Server, ADLS, and other required sources.
- With a single parameterized pipeline defined, the template system of the Suite is used to deploy the same system for six production environments.
- The notification systems and automatic report generation keep track of all the issues the pipeline identifies, which the user accesses retroactively for final touchups.

Technologies



“We have used DataOps Suite to validate our business rules, formatting, and transformations. We create the test cases in our base environment and deploy them to 6 production environments, thus validating multiple instances quickly.”

— Customer

Benefits Realized

Reduce time taken to deployment by

60%

Overall Increased Data Quality to

95%

Time reduced to validate newly added Datasets was reduced by

70%

Define in

1 environment & Deploy in

6 environments