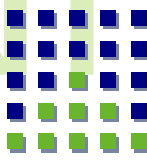


INIEFO

D E L T A



software
technology

case study

GRUPO EDSON QUEIROZ

overview

Grupo Edson Queiroz selects generative solution from Delta Software Technology for major migration project from Bull DPS7 to UNIX.

The Edson Queiroz Group (GEQ) is one of Brazil's leading corporate groups, employing 14,000 people in 16 companies.

Their challenge was to migrate many thousands of programs using the IDSII Codasyl database from Bull DPS7 mainframes to industry-standard UNIX servers running the Oracle database.

“The migration solution presented by Delta Software Technology from Germany was an ideal match to our needs.”

*Alberto Moreira
Systems
Development
Manager, GEQ*

Platform Migration with Delta Software Technology



SOLUTION OVERVIEW

customer

Grupo Edson Queiroz (GEQ) is one of Brazil's leading corporate groups and employs more than 14,000 people in 16 companies. GEQ is active in the areas of liquid petroleum gas distribution, mineral water and beverages, mining, media and communication, farming and agri-business, real estate and education.

challenge

Reduce migration costs and risks while maximizing quality in a project covering the migration of several thousand programs from Bull DPS7 mainframes with an IDS/II database to UNIX platforms with Oracle as database.

Delta Software Technology solutions

- ADSplus™ – Online and Batch
- SCORE® Data Architecture Integration™ (formerly: ADSplus™ – Data Access Server)
- SCOUT2™ Development Platform
- ANGIE Frame Generator™

why Delta Software Technology?

Using a combination of standard Delta products and project-specific generators allows GEQ to perform an automated migration – with the least possible risk and duration, while achieving a high level of quality.

key business benefits

- Maximize return on investment in existing mission-critical Bull DPS7 applications by directly reusing functionality on new UNIX platforms with Oracle.
- Reduce risk using a step-by-step migration where only one major element is changed at each step.
- Enable a future-proof migration from IDS/II to Oracle by replacing IDS/II specific coding with high-performance data access servers and neutral, database independent command sets.
- Use tailor-made, project-specific generators to maximize quality and repeatability.

“We have been impressed by the close co-operation and outstanding assistance of the whole Delta team throughout the evaluation period and pilot project.”

*Alberto
Moreira
Systems
Development
Manager, GEQ*

MIGRATION STEPS

SCOUT² Development Platform

Install SCOUT² Development Platform on Microsoft Windows to enable local development and generation on modern workstations.

ADSplus

Install ADSplus and upgrade applications from older Delta/ADS solution. Applications stay on Bull DPS7 mainframe with operating system GCOS7 and TP monitor TDS7. Stored data remains unchanged in the IDS/II Codasyl database, accessed using native commands embedded in the application programs.

automated discovery

Use Delta's automated discovery tools to analyse the existing applications and database, storing the gathered information in an XML-based repository for detailed analysis and reporting with standard tools.

data access servers

Build project-specific generators with Delta's frame-based generator technology ANGIE to (1) create data access servers, (2) modify existing applications replacing native IDS/II command with database independent access to data access servers.

IDS/II on DPS7

Generate the applications for DPS7 using IDS/II access with new data access servers. Replacing embedded IDS/II commands with data access servers can be verified on the existing IDS/II databases running on the legacy Bull DPS7 platform.

Oracle on DPS7

Migrate database on DPS7 from IDS/II to Oracle. The applications now are database independent so only require that data access servers are regenerated for Oracle on DPS7. Migration from IDS/II to Oracle can now be tested in the known Bull DPS7 environment.

Oracle on UNIX

The final step is to regenerate the applications for the UNIX platform with Oracle. Applications already have been tested with Oracle on DPS7 so only limited additional testing is required. As the programs developed with ADSplus are platform-independent, all aspects that do not concern the database remain unchanged when migrating from DPS7 to UNIX.

“Delta worked with us to study and understand the current situation and then define the best migration strategy.”

*Alberto Moreira
Systems
Development
Manager, GEQ*

“We are pleased to be working with GEQ on this major project, showing how our tools can deliver real benefits.”

*Rüdiger
Schilling
CEO,
Delta Software
Technology*

DELTA SOFTWARE TECHNOLOGY

Delta Software Technology is a specialist for generative development tools that automate the modernisation, integration, development and maintenance of individual IT applications.

We understand the enterprise IT as a living organism that is continuously changing. Our automated solutions help you to quickly and safely adapt your applications to new business requirements, architectures, technologies and technical infrastructures.

Delta has a more than 30-year track record of successfully delivering advanced software technology to Europe's leading organisations, including AMB Generali, ArcelorMittal, Deutsche Telekom, Hüttenwerke Krupp Mannesmann, Gothaer Versicherungen, La Poste, RDW, Suva and UBS.

AMELIO® Modernization Platform™

The tailor-made factory for the modernisation of large IT applications: 100% automatically and that's why it is safe, reliable and error-free.

SCORE® Adaptive Bridges™

Intelligent service enablement for the reuse of proven applications with modern technologies: flexible, profitable and non-invasive.

SCORE® Data Architecture Integration™

Data as real business services: fast, easy and independent of data architectures and management systems.

SCOUT2™ Development Platform

Optimized and integrated development processes across all software components, tools and platforms: Stop the "fight against the infrastructure".

ADSplus™ Application Development

Platform-independent development for future-proof back-end applications.

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