



Case Study

Credit Union SA – School Community Rewards

A Financial database solution with
dynamic historical data tracking



Case Study

School Community Rewards Program – Credit Union SA

A financial database solution that provides a dynamic historical view of participants in the program.

Problem.

Credit Union SA tracks school rewards based on student's family members taking out eligible banking and insurance products. The only solution for tracking these rewards exists on a SQL Server 2008 development server and does not retain history. This makes reporting difficult if a competing student changed schools during the program, and hard coded work arounds had to be implemented in the code. This solution was time consuming to manage and not scalable, especially with the growth of the number of people participating in the program. A lot of hard coded logic for the program also required the code to be reworked if there were any changes to the program, which pulled away resources from other important business processes.

Solved.

Exposé were engaged to create a more robust, scalable solution which reduced the manual changes required to keep the solution up-to-date. The first part of the solution was to bring the server into a more modern platform, being SQL 2014. The database was not reused, instead a new database was created. Development of this new database involved:

- Renaming of objects to conform to the naming structure used in the organisation.
- Parts of code were reused where possible to minimise time needed to discover business logic, optimised to make use of newer SQL functions.
- Static code that had the potential to change was redesigned to be easier to understand and maintain.
- Slowly Changing Dimension type 2 history tracking was implemented to give the organisation a historical record of data.
- Removing the need for the data in the database to be recreated in its entirety every month.

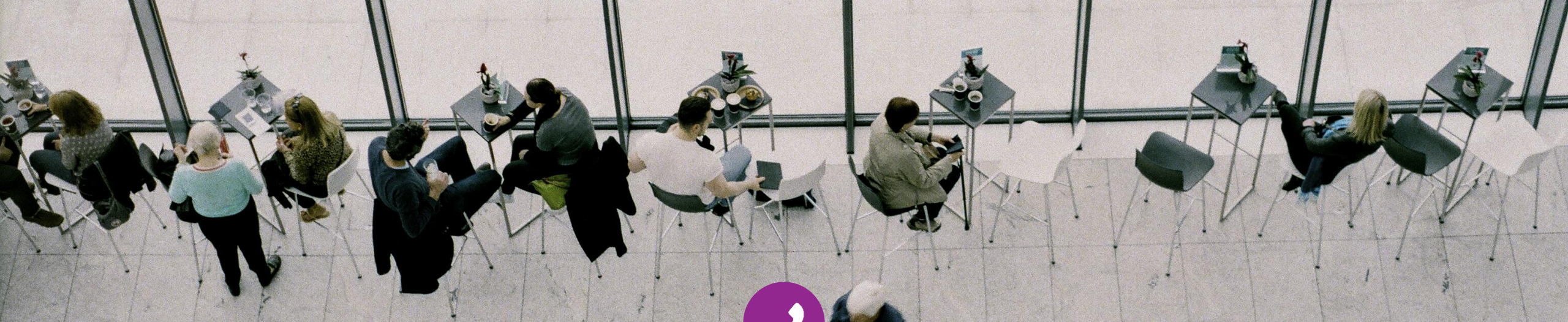
Business Benefits.

The work which Exposé has undertaken has allowed the customer to reduce the effort and errors associated with this dataset.

Benefits to the customer include:

- Removing the need to implement static code when a student moves school.
- Reducing maintenance load on finance staff when updating business rules.
- Providing marketing with historical data on participants which allows for in depth month to month analysis.
- Reducing code complexity which decreases effort for future development.
- Enabling faster reloads for amended manually uploaded data for quick insights and reporting.





**Do you have any additional questions, or
want to know more?**

We would love to hear from you.

#exposedata



Kelly Drewett

Head of Sales, Marketing and Partnerships

Etienne Oosthuysen

Head of Technology and Solutions



Website:

www.exposedata.com.au



Phone:

1300 857 348



Email:

info@exposedata.com.au



Location:

L9, 108 King William Street,
Adelaide SA 5000

Level 14, 303 Collins St
Melbourne VIC 3000