



# Investigation and implementation of backup solutions for LTSA

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This project was undertaken with the Land Transport Safety Authority (LTSA) by Jenni O'Brien in 2003 as part of her Industry Project for the Bachelor of Applied Information Systems degree.

The main objective of the project was to review the current backup solution existing within the organisation and propose a new solution to meet the changing needs of the business.

The deliverables associated with this project were to:

- upgrade existing business continuity plan documentation
- conduct business needs analysis of the backup requirements
- design a measurement tool to evaluate backup software based on the analysis
- select and test backup software in an emulated environment

present the findings of the research to the network team

In order to identify the best solution, Jenni undertook extensive user needs analysis including a survey. She also developed measurement criterion on which to base her decisions and suggestions. Jenni also approached and visited a number of businesses in an effort to review what backup solutions are currently in use and gather working impressions from those using the solutions in questions. Of particular focus was Legato and ARCServe.

In addition, analysis was performed to identify the operational and cost feasibility of the solutions. Once established, testing of the two potential application based solutions was undertaken in an emulated environment.

The final deliverable of this project saw Jenni presenting her proposal to the network team of LTSA.

As a result of this project the decision to implement Legato has been made and two positions created to support the implementation of this solution, one of which has been filled by Jenni.