

INFRASTRUCTURE AND DATABASE PROJECT

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This project, undertaken by Gordon McIvor, was divided into two distinct parts:

1. the analysis of the computing infrastructure of New Life Church
2. The development of a membership management database

The first deliverable consisted of analysing the existing infrastructure of the church in terms of hardware, software, security and network performance.

Based on this analysis, a report was developed to recommend improvements to the infrastructure. The recommendations made included:

- the upgrade of the server and the implementation of a raid array.
- the implementation of regular updates for patches and service packs
- upgrading of RAM on some machines
- more extensive backing up

It was shown also that simply moving some equipment would improve the performance of the network - a switch was regularly unplugged in favour of other electrical equipment.

The second deliverable involved the analysis, development and deployment of a database to store and manage member details. Gordon took an evolutionary prototyping approach to this task.

The project concluded with the testing of the application and development of training resources for use with the implemented system.

