G53IDS Individual Dissertation Single Honours

Project Proposal

Robert J. Golding (rjg08u)

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1 Background & Motivation

There are many backup systems available, in both the proprietary and open-source worlds. However, I have long felt that no one system meets all the needs of the modern enterprise environment, with a focus on central management, control and detailed reporting.

This gap in the market first came to my attention when I was designing a network for my home, which consisted of multiple Linux servers, each with files that needed backing up. The leading open-source contender seemed, at the time, to be Amanda Open-Source Backup. Amanda, however, did not include a web interface, and as a result was difficult to configure.

I have since made multiple attempts at creating a backup system that would fulfill these requirements, though I have not yet been successful.

2 Aims & Objectives

I propose to build a system to backup files on a local network. The backup system will be centrally managed via a web application, and will store detailed reports about what was backed up after every run.

3 Project Plan