



## **Synetrix SecureStore Network Backup Service**

### **1. DOCUMENT USAGE**

This document describes Synetrix Securestore™ network backup service provided by Synetrix (Holdings) Limited.

### **2. INTRODUCTION**

As ICT becomes an increasingly essential element within the school curriculum, data security and availability are important issues that every school must address. While a system crash on a school file server is always inconvenient and annoying, it can be disastrous if the data it holds has not been securely backed up. Pupils may lose weeks or months of work and staff may lose important records.

Additionally, many losses of data are caused by unintentional deletion or corruption of files, which may not be immediately noticed.

The traditional approach to data security within schools has focussed on backup to tape which, while infinitely more desirable than no backup at all, has some disadvantages.

- For maximum security against fire and theft, tapes must be stored securely off-site at all times. In many cases this does not happen.
- A large number of tapes, used in a strict rotation scheme, are required for a complete and effective backup strategy.
- Restoration of files can be a difficult, time-consuming process.
- If the correct tapes are not left in the tape drive each day, either the backup will fail or the backup scheme will be compromised, leaving holes in the data history.
- Tapes can become damaged and unreadable, even through normal usage, meaning data is not available when needed.

In summary, backup to tape can be unreliable, time consuming, prone to human error and deceptively expensive.

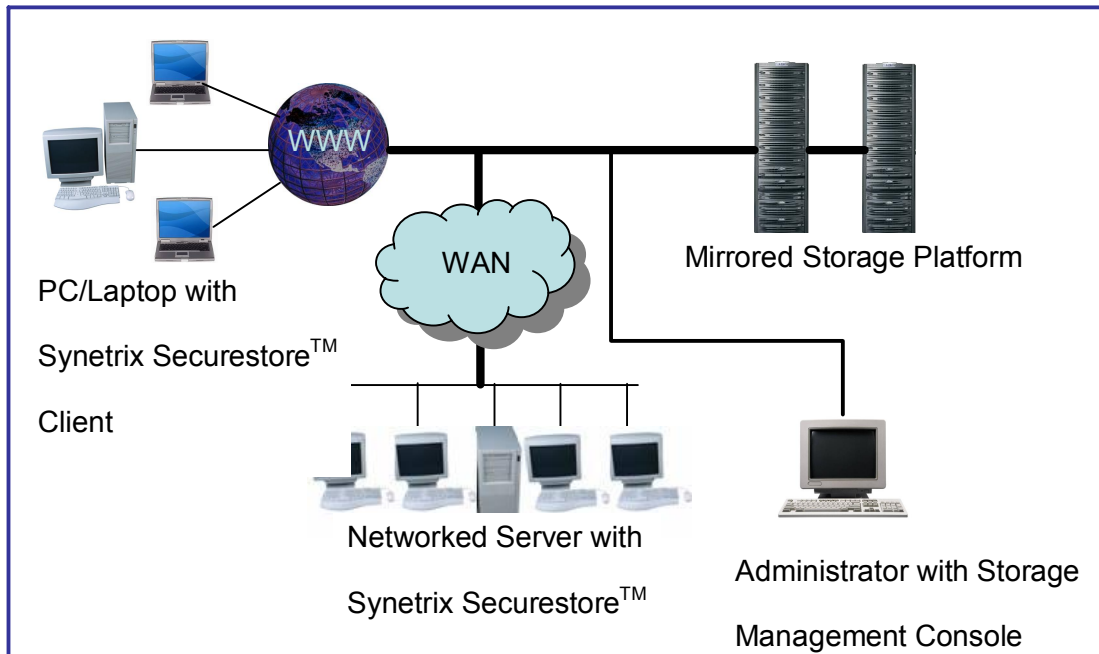
The Synetrix Securestore™ solution is a flexible, easy-to-use network based backup service, designed to provide schools with data security and peace of mind without the complexities and pitfalls of tape based solutions. Features include: -

- Easy to install backup client software.
- Simple and clear selection of data to be backed up.
- A minimum 1 month daily backup history, storing multiple versions of modified files.
- Quick and simple data restores.
- Data securely stored off-site and mirrored across two data centres several miles apart.
- Pre-scheduled and on-demand backups, with little or no manual intervention.
- Extensive backup plug-ins, allowing effective backup of key applications and databases.
- Easily upgradeable storage space, allowing the service to grow with your data.

### 3. SYNETRIX SECURESTORE™ SOFTWARE

#### 3.1. Storage Platform

The Synetrix Securestore™ software developed by Attix5, is a remote storage solution utilising client/server architecture to securely replicate data from a client device to a central data server/Storage Platform. The Synetrix Storage Platform is based on high performance storage servers' located at two interconnected separate Synetrix data hosting centres providing backup services accessible either via a directly connected network or the Internet. This is depicted in the diagram below;



#### 3.2. Software Client Versions

The backup client software comes in two versions: -

- ❑ **Server Edition** – This is supported on Microsoft Windows 2000 Server and 2003 server, providing file backup and restore capabilities plus,
  - Open file backup for all supported Windows operating Systems
  - Configurable email notification, allowing you to receive notification of successful and failed backups.
  - System State Backup, automatically backing up system-specific components, such as boot files, registry, COM+ Class Registration database, Active Directory and the SYSVOL directory.
  - The ability to use various plug-ins (detailed below), allowing more integrated backup capabilities for many key applications and databases.
- ❑ **Desktop and Laptop edition** – This version is supported on Microsoft Windows 98 and later Operating Systems and provides simple backup of data files from PCs, including open files (**for Windows XP only**, using VSS). Backup Professional provides a folder view, similar to Windows Explorer, allowing files to be easily selected for backup from the drives and folders available on the machine. The software also provides a similar Restore view, showing the backup sets that are available for restore and allowing selection of individual files or whole folders for recovery.

The Desktop and Laptop edition does not backup open files on Operating Systems other than Windows XP, cannot use application plug-ins, and does not include email notifications or System State backup capabilities.