A STUDY ON NETWORK DATA BACKUP AND ACCESS CONTROL AND TO IMPLEMENT AN INTELLIGENT NETWORK DATA BACKUP SYSTEM FOR EFFICIENT NETWORK DATA BACKUP

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ABSTRACT

This study will focus on network data backup and network access control. This is to allow us to manage data backup process in a network. This study is about how to perform automatic data backup by identifying which workstation needs to be backed up and when it can be performed without affecting the network performance. The administrator should be able to control the system or let the system intelligence decide the backup automatically whenever it thinks necessary. The system will need a security feature to avoid the information from being stolen in conjunction with the backup process. This system will allow the user to perform incremental backup of all their data in a particular folder. Security and access control is implemented using password protected backup and encrypted database. The whole database file will be encrypted by the system, therefore there is no chance to get user password illegally. Automatic (intelligent backup is performed based on time and size factor. The system will check the entire backed up folder for next incremental backup at the time and criteria specified by the administrator. The backed up files will also be compressed, archived and encrypted. The system is also equipped by other features to easier the backup administration job.

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