Lab 4 Report – Backups  
CS3670

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1. Considering the additional time that verification adds to a backup session, justify its use.

Without verification, the user backing up the data cannot confirm that all of the original files are indeed saved to the backup.

1. Considering the time and size differences that compression has on a backup session, describe the circumstances under which compression should be used.

Compression can be applied when the data files involved are not video or music files, since those types are already compressed and would add extra time for a wasted effort. It can be used on large groups of documents, folders of text files, etc.

1. Considering the time and size differences that encryption has on a backup session, what recommendation(s) would you give about using encryption? Justify your recommendation(s).

Encryption should be used for only sensitive files that the user absolutely does not want to be easily accessed. It provides security and assurance for the user. If the files are not important or need to be locked away from view of other employees, the user can save time and not encrypt the data.

1. Describe any extra experimentation you performed.

Did not complete any extra experimentation, only followed the guidelines of the lab assignment.

1. What did you learn in this lab assignment?

Users have to determine if the steps associated with tarball are necessary for their data in question. Depending on the data, users may want to go through all steps and verify, compress, and encrypt a dump file.

1. How could this lab be improved?

N/A