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Remote Backup Solution as Alternative to Tape Backup

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Miles away the data sitting on the desktop of your office situated in a remote location is waiting to be backed up. Because of lack of proper infrastructure and resources important data generated at the remote offices stand the chance of getting lost permanently through corruption or accidental deletion. This has been a common issue faced by companies with remote offices and branch offices for years. Dearth of local IT skills, inadequate network bandwidth that hinders the transfer of large amount of data contributes to the challenges associated with remote site backup. But technological advancement has paved the way for remote backup solution designed to make the entire process of storing and subsequently restoring your important digital documents easy. Such solution is also useful for laptop and other mobile device backups, enabling data protection even outside office premise. Hence the use of remote backup solution is slowly found to be gaining momentum.

Remote backup solution has edge over tape backup

Because of the advantages it provides remote backup solution is nowadays looked upon as a fitting alternative to tape backups. This kind of advanced backup solution operates by gathering data from usersâ€™ computers and then compressing and sending the same to an offsite server that can be used to restore the original if required. Using remote backup solution allows you to do away with the common issues related to tape backup such as improper handling of storage media, inability to carry the backup media offsite for safe storage etc. When the remote site data is not very large and is not subject to frequent changes the backup system can be used to take local snapshots for transfer to a remote storage array for offsite data protection. This is particularly advantageous for small businesses that do not have to deal with fat database. However when the amount of data is large enough to create impediment for data replication the backup solution can leverage data duplication technology. This process involves the saving changes made to the data regardless of the amount of changes made. This helps in data reduction to a large extent. Further WAN optimization that replaces identical data sequences with pointers allows the backup software to reduce the amount of data sent across the network. Although this kind of arrangement is more suitable for larger organization, small business services can also benefit from the WAN acceleration devices that address bandwidth challenges.

Remote backup solution meets cloud

A number of vendors are available in the market providing cloud based remote backup services. This is a kind of online backup service that stores your data on the service providerâ€™s remote server that can be accessed by the user via internet any time of the day or night. It requires minimum management at the usersâ€™ end and its effectiveness is largely dependent on the backup schedules set on the basis of recovery time objective and recovery point objective. With the cloud based remote backup solution you can avoid the cumbersome process of backing up data on tapes.

Data backup requirements vary according to the size and activities of organizations. But undoubtedly remote backup solution is all set to meet varying degrees of backup needs and replace tape backups in the long run.

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