Andy Lin

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Our company is insecure for risks such as accidental data losses, viruses, hackers, inadvertently deleting important files. Each minute we spend trying to retrieve loss data costs the company $20,000. Investing in Continuous Data Protection (CDP) will allow us to retrieve clean, uncorrupted data in less than two minutes.

The backup system we are using right now is a traditional system that only performs manually. CDP works by recognizing changed data immediately and copying the data to a different target. Replicated data are transferred to an on-site location for immediate recovery and another off-site location for backup. Traditional backup programs only restore data from the moment the backup was performed. With CDP, we can pinpoint the moment we lost the data and retrieve it. CDP continuously timestamps written data to designated locations so that it is easier to reverse lost and deleted data. The company’s backup system takes approximately 15 minutes to completely restore the data. With CDP, even if we experience technical difficulties causing massive data losses, our company will be able to fully recover in less than ten minutes.

Implementing CDP will cost the company $30,000 per year. Every minute during recovery from data losses will cost our company $20,000 per min, and $1,200,000 during an entire hour. If the company were to have a massive data loss that will take the system fifteen minutes to completely recover using our traditional backup program, initially that will cost the company $300,000 for one year, $600,000 in two years, and $900,000 in three years. Therefore, the company will earn its initial investment of $90,000 for three years back within the first two occurrence of data loss.

Works cited

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