

To: Mart Doyle

From: Dan Kovacs

Subject: Data Deduplication

Data deduplication is a viable opportunity for this company to save valuable time and more importantly reduce costs. This transformative technology reduces the amount of physical storage space wasted on duplicate copies of data by ensuring that only unique copies of information are stored on the disks. By implementing deduplication, our company will be able to spend less money on storage space and less time backing all of our data up.

In a company such as ours, there is data pouring in every second of the day. When we backup all of that data we are wasting valuable and expensive space by having an endless amount of duplicates on the storage devices. The main positive of deduplication is its ability to eliminate redundant data as it enters the system. The technology will make a reference to the data, but unless it is unique it will be removed from the storage space. It requires no person to monitor the system to make sure that it is not missing any duplicates of information. Deduplication is a simple idea with straightforward capabilities that will allow for our company to thrive even more.

Investing in this technology will save this company in the long run. Replicated data accumulates over time, so in the future will we look back and see that the technology inhibited the duplication of thousands of pieces of information. By that time we will have seen how much time was saved during routine backups or how much floor space was salvaged. Most importantly though, we will see the reduction in cost for the amount of storage we need to buy. According to Gartner, clients who utilize this system report in having 7 to 25 times the reduction in the size of their data. That reduction in size leads too much needed savings for our company. Deduplication is the only way to guarantee that this company will continue to operate at the most efficient level possible.

References

“Data Deduplication.” *EMC Glossary*. EMC, n.d. Web. 13 Feb. 2013.

<<http://www.emc.com/corporate/glossary/data-deduplication.htm>>.

Russell, Dave, and Pushan Rinnan. “Hype Cycle for Storage Technologies, 2012.”

Gartner. Gartner, 5 July 2012. Web. 13 Feb. 2013.

<<http://my.gartner.com/portal/server.pt?open=512>>.

“Storage Optimization through Data Deduplication from Dell.” *Deduplication Storage*

Optimization. Dell, n.d. Web. 13 Feb. 2013.

<<http://www.dell.com/content/topics/topic.aspx/global/products/landing/en/deduplication?c=us>>.