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MIS 2501-Flash Research Assignment 3

2/22/14

Virtualization and Cloud Computing

Our company can save \$9,200,000 over the next 3 years by implementing virtualization with VMWare. Virtualization uses software that allows hardware to run multiple operating systems and applications, which will make our infrastructure simpler and more efficient. The implementation of VMWare will allow our company to cut down our total amount of servers we have and the related maintenance cost.

Server virtualization is a technology for dividing one physical server into multiple virtual servers. Each of these virtual servers can run its own operating system and applications, and perform as if it is an individual server. These features will allow us to consolidate servers used by multiple business divisions. Virtualization will also allow our organization to copy our virtual operating system to an external device and restore the original system if failure were to occur. VMWare will make our data servers more efficient

By implementing virtualization with VMWare our company will see a cost reduction of \$9,200,000. Our company will cut down the total number of physical servers to 200 providing a considerable cost savings. We will also save money on server power and cooling because we won't have to run as many physical servers on site. Implementing VMWare will add value to our business

Work Cited

Stickland, Jonthan. "How Server Virtualization Works." *How Stuff Works*. N.p., 2 Jan. 2008. Web. 26 Feb. 2014.

Ou, Geroge. "Introduction to Server Virtualization." *TechRepublic*. N.p., 22 May 2006. Web. 26 Feb. 2014.

Layland, Robin. "The Dark Side of Server Virtualization." *Network World*. N.p., 10 July 2010. Web. 26 Feb. 2014