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MIS 2501

Flash Research Assignment 3

Our current servers in our data center cost can be reduced tremendously by utilizing virtualization to consolidate server workload. The potential saving of making the switch can result in the millions. Through virtualization we are able to centralize task so that multiple applications are able to run simultaneously using a host server to store the files .The servers will work efficiently under the host server allowing for information to be duplicated, downtime will be reduced and servers will be utilized at a higher capacity, which reduces cost as a result producing savings of 1.36million/year.

Virtualization allows for businesses to support the files of multiple servers using one host as a storage location. Doing this creates the opportunity for a server to use as many applications as the host server’s storage memory will allow. Being able to have multiple applications on one host makes the accessibility of information easier, allowing for information to be combined and utilized based on strategy and need. Through virtualization you can move across different platforms and applications; reducing cost and enhancing our energy management.

Our overhead cost will be reduced tremendously over a three year period. Today we incur cost of $14million/year which encompasses an $8000/year per server cost and a $2000/year per server maintenance using 1000 servers. We can run our servers under a virtualization system consolidating the servers creating 80 host servers reducing spending to 4.8million over three years from the previous 14million. This will create a substantial amount of money saved by the company to be used for other areas of need.