

Over the next three years, our company can save \$9.2 million switching to virtual servers. Currently, the company has over 1000 physical servers, taking up valuable space in our data center. By upgrading to virtual servers, we can decrease the number to 280 servers decreasing costs for maintenance, service, and energy needed to power and cool our servers. Using new virtual servers will enable us to run more efficiently; freeing up valuable space in the data center we can use for new profit generating technology.

Implementing new 10:1 virtual server would cut the space needed in our data centers by 72%. This means that ten of our physical servers would be able to fit on one virtual server. Each virtual server is able to run multiple applications simultaneously without any problem. We would be running 80% of our servers virtually; ultimately meaning we only need 80 servers In place of the 800 we have now. The final 200 would be physical servers needed to run the company.

Implementing virtual servers over the next 3 years would save this company 9.2 million dollars. The maintenance for the virtual servers would only cost 1.92 million dollars for the next 3 years compared to the 6 million it would take to run the physical servers. In essence we are running more applications on less servers, which means less cost for maintenance, service and energy. Upgrading to new virtual servers will save this company money and give us a competitive advantage in our industry, being the first in our industry to do so.