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MIS 2501 Flash Research Paper #2: Virtualization and Cloud Computing

Our company will save $9.2 million over three years by consolidating a majority of our physical servers into virtual servers using specific software like VMWare. With virtualization, we take our underperforming physical servers and ensure they are used to their full capacity. We need to make this a priority in our decision making process for our upcoming server refresh cycle.

Using specific software like VMWare, we can create virtual copies of our physical machines and consolidate them on a 10:1 ratio. Taking 800 of our physical machines, we can transform them into 80 virtual machines with this upgrade. We will end up operating with 280 total servers rather than 1,000. This not only reduces spaces, but in turns maximizes the full potential of the machines. With the reduced number of physical servers, we can cut big costs and utilize the server room in a new and more organized capacity.

The cost to consolidate our existing 1,000 servers into 280 physical and virtual servers will be $4.8 million. Due to greatly decreased yearly spending on maintenance coupled with the reduced amount of servers, we will come out on top by $14 million. When the consolidation is complete, after three years the overall net benefit for the virtual server consolidation will end up being $9.2 million.

Works Cited:

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