From: Adama Traore

In order to respond to the rapid growth of our company, we need to improve our data center operation by implementing the virtualization and cloud computing technology. Indeed, the use of virtualization technology will make the data center efficient and improve the disaster recovery. In fact, within a three year period, the use of virtual servers will dramatically reduce the cost affiliated to the operation our data center and the company will save $9,200,000.

Virtualization technology include the server consolidation feature that will enable the data center to use fewer servers for its operation. A server can host many virtual machines that will operate exactly the same way as the initial server. A Virtual server run its own operation system and can be independently rebooted without affecting the system meaning no downtime will occurred in case of system failure. Virtual machine file can be create and duplicated as needed, we can use duplicate files to reprogram the system in other site in few minutes, and this feature will facilitate and accelerated the disaster recovery. Therefore, the high availability capabilities of virtual servers will increase the uptime of the data center. Compare to our existing data center, a data center with virtual servers will use less space and less hardware which will reduce the maintenance.

In summary, upgrading our data center with virtual servers can only be benefit to the company. Even though the initial investment cost for virtual servers is $3,520,000, the efficiency of virtualization will reduce our yearly cost in the long run. Over a three year basis, the company will save $9,200,000 and realize $4,400,000 net benefit for implementing virtual servers. It is imperative for our company to use virtual technologies in order to save money and operate more efficiently.

Works cited

Site2bc. “Virtualization is compelling.”n.p., n.d., Web. 11 Feb 2015.

VMware. “Virtualization advantages.” n.p., n.d., Web .11 Feb 2015.

TechAdvisory. “Advantages of Going Virtual.” N.p., 14 Feb 2014. Web 11 Feb 2015.