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Virtualization Paper

Having been adopted by over 500,000 businesses, including 100% of the Fortune 100 companies, VMware Server technology is the most preferred server technology in the market. Savings of \$ 9.2 million over the next 3 years, faster installation, and easier management, puts VMware technology as the highest priority for next year's hardware refresh cycle.

VMware is a virtualization machine that consolidates 10 different physical servers onto one virtual machine server. By connecting servers, storage, networking and availability you can achieve full efficiency and agility of cloud computing. VMware is easy to install and cuts the installation time by 1/3 compared to the physical server. VMware is easy to administer with time saving features like auto deploy and dynamic patching that condense the routine managing tasks from hours to minutes.

At the moment we use 1000 physical servers but with VMware this number drops to 200 physical servers and 80 Virtual servers. This would free some storage space, and reduce installation costs by \$ 5,120,000(table 3) compared to cost of physical servers. Lastly Maintenance costs for next three years would decrease by 4,800,000 (Table 2). Therefore installation cost and 3-year maintenance cost combined would lead total saving of \$9,200,00 and a total reduction of 68%.

Math

Table 1 Physical Server Cost

Physical Server	Year 1	Year 3
Number	1000	1000
Cost of installation	8000000	8,000,000
Maintenance Cost	2,000,000	600,000,00
Total cost for 3 Years	10,000,000	14,000,000

Table 2

Virtual Server cost

Virtual Server	Year 1	Year 3
Number	280	280
Cost of Installation	2,880,000	2,880,000
Maintenance Cost	640,000	1,920,000
Total cost for 3 years	3,520,000	4,800,000

Table 3 Savings

Savings		
3 Years Reduction	-9,200,000	Reductio65%

Work cited

"Virtualization Basics." *VMware Benefits of Virtualization Use Cases*. N.p., n.d. Web. 21 Feb. 2014.

[Http://bobcares.com/blog/virtualization-or-physical-server/](http://bobcares.com/blog/virtualization-or-physical-server/)." N.p., n.d. Web.