$10,000.00 budget

For our $10,000.00 budget we chose to implement 3 Dell PowerEdge M520 servers that cost $1,189.00 each. The servers Have xeon 1.8Ghz processors and 2GB ram. For the firewall we chose to implement a cisco 1805 ISR, it includes firewall support, wireless network capabilities, 4 ports Ethernet switching and VPN capabilities. - $1140.00. The reason we chose this model was it had multiple capabilities and the price was reasonable. It will help to provide the security that our company needs in order to function well. We needed more Ethernet ports than four so we chose to get a switch. The cisco SR2024T 24 port 10/100/1000 gigabit Switch will help to take our company to the next level. For only 247.97 it has gigabit transfer capacity to push traffic through the network at extreme speeds. In order to use the VPN on the ISR we had to get a license, so we decided that a one year license from barracuda networks would be best. It supports up to 15 VPN clients at a time and was only $898 a year with unlimited updates. We included 10 laptops for the employees, they are Dell D620 laptops with 2GB ram, 60GB HD, and 1.8 Ghz processor. We ended up spending $7,672.00 saving the company so extra cash.

Switch – cisco SR2024T 24 port 10/100/1000 gigabit Switch 247.97

License- from barracuda networks $898 1 year 15 licenses with updates.

$20,000.00 budget

With the increased budget we chose to implement some better equipment in order to last the business longer and allow some room for scalability. The Dell PowerEdge C1100 has plenty of power with the right price. It has 2.4Ghz processor speed, 48GB memory, 500GB HD raid compatible. Also the servers come with 3 years of support only for $3, 063.00 each which brought the price to be 9,189 altogether. For the firewall we chose to implement a Cisco 5550 VPN adaptive security appliance with a price of $6,000. We chose this because of its support for VPN so the company wouldn’t have to keep buying licenses every year. For our switch we chose the Cisco WS-C2960G 48 port Catalyst Gigabit switch. We chose that switch due to the fact that it has fast speeds and multiple ports for scalability for a low price of $1,044.00. We also included a Cisco 891 ISR with Gigabit performance for $800.00 which will be great in case the company grows into a larger one. With the little bit of extra money we included 10 laptops for the employees, they are Dell D620 laptops with 2GB ram, 60GB HD, and 1.8 Ghz processor.