Homework and Activity 2

ITEC 451

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* Requirements
	+ $10,000 and $20,000 budget
	+ Three servers / workstations
	+ Firewall
	+ Switch
	+ Support for ten VPN connections
	+ Power Surge / Supply
	+ Cabling
* Internet Service Provider
	+ Verizon Medium Business
		- FIOS Dedicated Connection
		- 300 Mbps down 65 Mbps up
		- $304.99 month (includes phone)
* Hardware
	+ Router / Switch
		- Cisco RV082 8 port Router
		- $289.99
		- VPN Supported
		- CDW.com
	+ Firewall
		- Cisco ASA 5505 Unlimited
		- $1,084.27
		- Supports 3DES / AES license
	+ Workstations
		- Station 1
			* Windows 2008 Server Dell R210
			* Intel Xeon E3-1220 3.1 GHz quad core 8 GB RAM
			* $1,697.60
		- Station 2
			* Ubuntu Linux 12.04 LTS Server Dell R210
			* Intel Xeon E3-1220 3.1 GHz quad core 8 GB RAM
			* $977.38
		- Station 3
			* Solaris Server Dell R210
			* Intel Xeon E3-1220 3.1 GHz quad core 8 GB RAM
			* $977.38
	+ Employee Laptop
		- Lenovo Essential G580 15.6”
		- I5 2.6 GHz CPU
		- 500 GB HDD
		- 4 GB Memory
		- $499.99 X 10 = $4,999.90
	+ Miscellaneous
		- Rack – 12U wallmount – $300
		- Misc. Cables - $100
		- UPS with 3 min. backup - $1,249.99
* VPN Services
	+ Open VPN
		- Free – For use in 10,000 budget
		- No support / coverage
	+ Cisco
		- Expert support provided
		- 25 clients for ASA 5505
		- $2,072.99 – For use in 20,000 budget