Homework and Activity 2

ITEC 451

Chris Moore, Kwan Tonpoobaln, Jon Light

* 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