**CIS 5600: Information Security Management**

Lab 4: Network Security and Firewall Management

<Your Name or Team Name>

**Document:**

Part 1:

* Reading: HowStuffWorks: Jeff Tyson’s “How Firewalls Work”
  + Link: <http://www.howstuffworks.com/firewall.htm>
* Write a 1-2 page (single-spaced) summary describing your lessons learned about firewalls work and their benefits to network security.

**<1-2 page response here…>**

Part 2:

* Download and install the following Personal Firewall products (or your own products). When finished with any one of them, please uninstall it to prevent conflicts with the new one.
* Kerio Personal Firewall <http://www.kerio.com/>
  + At what Open System Interconnections (OSI) layer(s) does it operate?
    - **<2-5 sentence response here…>**
  + How does it work (consult Firewall's documentation if necessary)?
    - **<2-5 sentence response here…>**
  + Does it distinguish between incoming and outgoing traffic?
    - **<2-5 sentence response here…>**
  + Does it have any unique features?
    - **<2-5 sentence response here…>**
* ZoneAlarm <http://www.zonelabs.com/>
  + At what Open System Interconnections (OSI) layer(s) does it operate?
    - **<2-5 sentence response here…>**
  + How does it work (consult Firewall's documentation if necessary)?
    - **<2-5 sentence response here…>**
  + Does it distinguish between incoming and outgoing traffic?
    - **<2-5 sentence response here…>**
  + Does it have any unique features?
    - **<2-5 sentence response here…>**
* SolarWinds Multi-Vendor Firewall Security & Change Management <http://www.solarwinds.com/solutions/firewall-management.aspx>
  + At what Open System Interconnections (OSI) layer(s) does it operate?
    - **<2-5 sentence response here…>**
  + How does it work (consult Firewall's documentation if necessary)?
    - **<2-5 sentence response here…>**
  + Does it distinguish between incoming and outgoing traffic?
    - **<2-5 sentence response here…>**
  + Does it have any unique features?
    - **<2-5 sentence response here…>**

Part 3:

* Go to the following U.S. Department of Defense (DoD) Information Systems Agency web link:
  + [**http://iase.disa.mil/eta/Pages/index.aspx**](http://iase.disa.mil/eta/Pages/index.aspx)
* Click on the ***Cyber Security Simulations - CyberProtect*** training module and complete the interactive training.
* At the end of the training module, you will be asked to enter your name for a certificate of completion. Please enter your name and either print and scan your certificate, or take a screen shot of the certificate.
* Paste or embed the scanned certificate onto a MS Word document and submit as part of the assignment package. Each team member should have a certificate of completion.

**<Attach/paste images of certificates (for each member) here…>**

**References (optional)**

<Any additional references you use (either for background information or for citation) should be listed here, using the APA style>