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| **FloridaTech_seal** | | | |
| **CIS 5600** | | **Information Security Management** | **Distance Learning via Canvas** |

**Lab 4: Network Security and Firewall Management**

**1. Reading**

* Text book
* Online sources/references

**2. Files**

* Use the Lab 4 Template provided by instructor on Canvas

**3. Assignment Instructions**

***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.

***Part 2:***

* Identify, download and install free/trial versions of three different Personal Firewall products. You may use the three listed below or choose your own. When finished with any one of them, please uninstall it to prevent conflicts with the new one.
  + Kerio Personal Firewall <http://www.kerio.com/>
    - Click Products->Kerio Control Firewall and More
    - Complete registration and download/install
  + ZoneAlarm <http://www.zonelabs.com/>
    - Click on link to ZoneAlarm Free Firewall
    - Download/install
  + SolarWinds Multi-Vendor Firewall Security & Change Management <http://www.solarwinds.com/solutions/firewall-management.aspx>
    - Click Download Free Trial
    - Complete registration and download/install
* In each case, try to answer the following:
  + At what Open System Interconnections (OSI) layer(s) does it operate?
  + How does it work (consult Firewall's documentation if necessary)?
  + Does it distinguish between incoming and outgoing traffic?
  + Does it have any unique features?

***Part 3: (To be completed individually)***

* 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.

**4. Deliverables**

The submission should have your name, date and assignment title on the front page. Use headers and footers, and have your name and title on each page.

* *Layout and format*. The layout and format for the assignment are defined in the Lab4 Template MS Word document template. **Use the template!** The paper should be single spaced.
* *References (optional)*. If you consult other references for the assignment, cite them here, using the APA style. See <http://en.wikipedia.org/wiki/APA_style>, specifically the *Reference list* section of the entry.