ECSC 325 – Web Server Administration

Spring 2025 – Section 200

Assignment 6 – 35 points

Log on to your virtual machine as root using an SSH session and perform the following tasks:

Install the packages necessary to perform dns queries using the nslookup, dig, and whois commands. (4 points)

Install the apache service httpd. Start the apache service, and configure the apache service to start automatically on boot. Also stop and disable the firewalld service. (5 points)

Create a default index.html page with the phrase "Hello ECSC-325!" and your name on a **separate** line at your default ecsc325-1## website. (4 points)

Look up the A records for the google.com domain against an **on** campus resolver. List this information in the file /tmp/assignment6-1.txt (3 points)
        dig a google.com @147.64.243.160 – This will only work correctly from within the CS network!

Look up the A records for the google.com domain against an **off** campus resolver. List this information in the file /tmp/assignment6-2.txt (3 points)
        dig a google.com @101.102.103.104 (This is a public DNS resolver in Taiwan?!)

Perform a long listing of the /etc/httpd directory, showing all files and information in human readable form. Put the output from this command in the file /tmp/assignment6-3.txt (3 points)

Find a name server for the .NET Top-Level-Domain. Put this information in the file /tmp/assignment6-4.txt (3 points)

Make sure your system is up to date, and has recently been rebooted. (4 points)

Create a document with a copy of the exact commands you performed above and upload it in D2L to the Dropbox folder HW6. (6 points)

Download and run the check script using the following three commands:

```
wget https://jpatalon.cs.edinboro.edu/ecsc325/classfiles/assignment6check.sh -O /tmp/assignment6check.sh

chmod a+x /tmp/assignment6check.sh

/tmp/assignment6check.sh
```