

ECSC 325 – Web Server Administration

Spring 2025 – Section 200

Assignment 7 – 46 points

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

Install PHP, and create a default index.php webpage displaying the output of the phpinfo() command at your ecsc325-1## website. (6 points)

Change the default directory index setting to prefer files in the order of index.php before index.html. (6 points)

Install the MariaDB service mysqld, start the mysqld service, configure the mysqld service to start on boot, and secure the new mysqld server installation. (6 points)

Create a /etc/httpd/conf.d/00-localhost.conf apache configuration file, configured for your IP address and ecsc325-1##.cs.edinboro.edu server webpage. (6 points)

- ServerName ecsc325-1##.cs.edinboro.edu
- ServerAlias 147.64.243.1##
- DocumentRoot "/var/www/html"

Create a /etc/httpd/conf.d/31##.conf apache configuration file, configured for your 31##.megastuff.biz server webpage. Create a “Hello Megastuff” index.html webpage for this virtual host. 6 points)

- ServerName 31##.megastuff.biz
- DocumentRoot "/var/www/31##"

Create a /etc/httpd/conf.d/31##p81.conf apache configuration file, configured for your 31##.megastuff.biz:81 server webpage. Create a “Hey there port 81” index.html webpage for this virtual host. Note that this is on port 81! (6 points)

- ServerName 31##.megastuff.biz:81
- DocumentRoot "/var/www/31##p81"

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 HW7. (5 points)

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

```
curl -O https://jpatalon.cs.edinboro.edu/ecsc325/classfiles/assignment7check.sh  
bash assignment7check.sh
```