

Assignment 3

Complete the following tasks and then create a short video to demonstrate your work.

- 1) Install and run an Apache secure web server on your Linux OS.
- 2) Configure your webserver to use the `public_html` folder for all users.
- 3) Create a simple web page in a user's `public_html` directory.
- 4) Create a video and upload to demonstrate your server configuration.

Instructions:

1. Create a title slide deck that must include your Full Name, Student ID, and a current image of you.
2. Record a video that captures your slide and your voice.
 - a. You can use tools like OBS (<https://obsproject.com/>), Camtasia (<https://www.techsmith.com/video-editor.html>) to record your video
 - b. You do not need to perform any post-processing or editing (but it would be nice).
 - c. Ensure that your voice can be heard clearly and that your screen can also be seen clearly
3. Upload your Video to YouTube (or other streaming video provider)
 - a. You need to have a google account
 - b. You need to create a YouTube channel
 - c. No need to share your video publicly you can mark it as unlisted and distribute the link.

In your video include:

- 1) Run the 'systemctl status httpd' command to show that your web server is running. Show that you have implemented ssl certificate on your system by using `https://` in the url in the final step when you open your web page (7 marks)
- 2) Show that you have configured your webserver to use the `public_html` folder for all users by showing the changes to `userdir.conf` file (2 marks)

3) Show the web page you have created in public_html directory (2 marks)

5) Change to the user/public_html directory and display the contents of the directory and then display the .htaccess file

(2 marks)

6) Navigate to the /etc/httpd/conf directory and show the configuration files that implement the htaccess

1 mark

7) Open a browser and display the index.html file

1 mark