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**GitHub Link:** <https://github.com/anujbisht/INT301>

**Project Code:** perform steps to secure apache using .htaccess and show how it can be used to give secure access to the website

**Evaluation 1:** When setting up a web server, there are often sections of the site that you wish to restrict access to. Web applications often provide their own authentication and authorization methods, but the web server itself can be used to restrict access if these are inadequate or unavailable. In this guide, we'll demonstrate how to password protect assets on an Apache web server running on Ubuntu 14.04.

### **3.What different modules are used in the code for showing its functionality in case of a script based project**

In order to create the file that will store the passwords needed to access our restricted content, we will use a utility called `htpasswd`. This is found in the `apache2-utils` package within the Ubuntu repositories

### **5.What are the different kinds of explicit validations applied in the project?**

The first option is to edit the Apache configuration and add our password protection to the virtual host file. This will generally give better performance because it avoids the expense of reading distributed configuration files. If you have this option, this method is recommended.

The second option is If you do not have the ability to modify the virtual host file (or if you are already using `.htaccess` files for other purposes), you can restrict access using an `.htaccessfile`. Apache uses `.htaccess` files in order to allow certain configuration items to be set within a file in a content directory. The disadvantage is that Apache has to re-read these files on every request that involves the directory, which can impact performance.

### **6.What kind of security technique is employed in the project?**

we set up `Basic` authentication. For the `AuthName`, choose a realm name that will be displayed to the user when prompting for credentials. Use the `AuthUserFile` directive to point Apache to the password

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file we created. Finally, we will require a `valid-user` to access this resource, which means anyone who can verify their identity with a password will be allowed in

**7.Does the content suffice the purpose of website in terms of functional requirements?**

Yes

**8.Have you used GitHub repository to maintain different revisions of the project?**

**Description:** Yes, the project has been uploaded to github, and have been revised multiple times.

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