**HTACCESS in Apache**

**The .htaccess file is a hidden text file that allows you to control the way visitors are able to access your site. Some common uses of the .htaccess file would be restricting access to certain files, or redirecting URLs.**

**Using an .htaccess file, you can:**

**• Customize the Error pages for your site.**

**• Protect your site with a password.**

**• Enable server-side includes.**

**• Deny access to your site based on IP.**

**• Change your default directory page (index.html).**

**• Redirect visitors to another page.**

**• Prevent directory listing.**

**• Add MIME types.**

**Make sure Apache is configured to use .htaccess file: Open apache2.conf file and check for Directory entry as shown in below and save the given changes.**

vi /etc/apache2/apache2.conf

*<Directory /var/www/>*

*Options Indexes FollowSymLinks*

*AllowOverride None*

*Require all granted*

*</Directory>*

**Replace the above directory entry by the following entry having "DocumentRoot" /var/www/html/**

*<Directory /var/www/html>*

*Options Indexes Includes FollowSymLinks MultiViews*

*AllowOverride AuthConfig*

*Order allow,deny*

*Allow from all*

*</Directory>*

**Create a password file with htpasswd command and follow the instructions**

mkdir -p /opt/passwordfile/

touch /opt/passwordfile/.htpasswd

**Now you are able to add new user called nikhil. We can add multiple users without -c option as shown below:**

htpasswd /opt/passwordfile/.htpasswd abhishek

htpasswd /opt/passwordfile/.htpasswd abhijit

htpasswd /opt/passwordfile/.htpasswd nitin

**Now change the user, group and permissions of password file.You have to give the minimum permissions to the password file.**

chmod -Rf 660 /opt/passwordfile/.htpasswd

chown -Rf www-data:www-data /opt/passwordfile/.htpasswd

**Create .htaccess file using text editor:**

vi/var/www/html/mit.com/.htaccess

**Add following text in the .htaccess file and save the given text in it:**

*AuthType Basic*

*AuthName "Restricted Access"*

*AuthUserFile /opt/passwordfile/.htpasswd*

*Require user abhishek abhijit nitin*

**Now change the user, group and permissions of .htaccess file**

chmod -Rf 775 /var/www/html/mit.com/.htaccess

chown -Rf www-data:www-data /var/www/html/mit.com/.htaccess

systemctl restart apache2

**Add multiple users by creating group**

**Create a group file in the directory where we put the .htpasswdfileSuppose we have the .htpasswd file in the directory "/opt/passwordfile” then create the user group file named as ".htgroup" in the same directory**

touch /opt/passwordfile/.htgroup

**Change the "ownership" and "permission" of “.htgroup”**

chmod -Rf 660 /opt/passwordfile/.htgroup

chown -Rf www-data:www-data /opt/passwordfile/.htgroup

**Open the ".htgroup" file and make the entry of groups and users in it.The file may have single/multiple users/groups. You can also add the single user in multiple groups. A group file consists of lines giving a group name followed by colon and a blank space and list of users separated by blank space in that group. For example:**

vi /opt/passwordfile/.htgroup

*sysadin: abhishek nitit*

*dbadmin: abhijit*

if you want to add more users then you have to create users.

Now open the ".htaccess" file

vi /var/www/html/mit.com/.htaccess

*AuthType Basic*

*AuthName "Restricted Resource"*

*AuthUserFile /opt/passwordfile/.htpasswd*

*AuthGroupFile /opt/passwordfile/.htgroup*

*Require group sysadmin dbadmin*

systemctl restart apache2