

## P5 CONTROL AND AUTHENTICATE

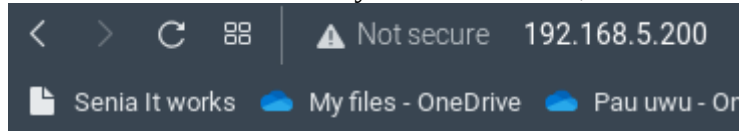
We'll start by refusing one ip.

For that we'll need to:

Add these files to our user.conf in the directory section

```
<RequireAll>
    Require all granted
    Require not ip 192.168.4.101/23
</RequireAll>
```

And when the system is rebooted,



deny access

Then we will enable module http basic,

First go to the prompt and write this

```
root@ZeltonCoul:/home/pau/html# a2enmod auth_basic.load
Considering dependency authn_core for auth_basic:
Module authn_core already enabled
Module auth_basic already enabled
```

Then generate the user files and 1 user.

```
root@ZeltonCoul:/home/pau# mkdir user_passwd
root@ZeltonCoul:/home/pau# htpasswd -c /home/pau/user_passwd/passwords paugra
New password:
Re-type new password:
Adding password for user paugra
```

Let's see the inside of these files

```
root@ZeltonCoul:/home/pau# cat user_passwd/passwords
paugra:$apr1$0DUxpRot$H1RqE1FubPvt/h7mAn7HC1
root@ZeltonCoul:/home/pau#
```

Then we'll add these lines in user.conf for the system to ask user and password

```
AuthType Basic
AuthName "special files"
AuthBasicProvider file
AuthUserFile "/home/pau/user_passwd/passwords"
Require user paugra
```

And only when the right data is told, we will be able to log in

And finally we'll test HTTP Digest module.

As a start, activate the correct module and reset,

```
root@ZeltonCoul:/home/pau# a2enmod auth_digest.load
Considering dependency authn_core for auth_digest:
Module authn_core already enabled
Enabling module auth_digest.
To activate the new configuration, you need to run:
systemctl restart apache2
root@ZeltonCoul:/home/pau# systemctl restart apache2
root@ZeltonCoul:/home/pau# _
```

Then as before generate a user and foderpaths.

```
root@ZeltonCoul:/home/pau# htdigest -c /home/pau/user_passwd/dig realm paugra2
Adding password for paugra2 in realm realm.
New password:
Re-type new password:
root@ZeltonCoul:/home/pau#
```

And then we'll change directory conf for the new module.

```
AuthType Digest
AuthName "realm"
AuthDigestDomain /
AuthBasicProvider file
AuthUserFile "/home/pau/user_passwd/dig"
Require valid-user
```

Once that is done, well try to connect

**Please Sign In**  
http://192.168.5.200  
Your connection to this site is not private

Username:

paugra3

Password:

....

Cancel

Sign In