

# Apache

- Install Apache HTTP server Create two simple html pages named “page1.html, page2.html” then use the suitable directive to automatically redirect from localhost/page1.html to localhost/page2.html.

```
# Supplemental configuration
#
# Load config files in the "/etc/httpd/conf.d" directory, if any.
IncludeOptional conf.d/*.conf
redirect 301 /page1.html /page2.html
```



- Ask for username and password when accessing a directory.

```
#
# Controls who can get stuff from this server.
#
Require all granted
</Directory>

<Directory /var/www/html/directory>
AuthType Basic
AuthName "Restricted web Content"
AuthUserFile /etc/httpd/.htpasswd
Require valid-user
</Directory>

#
# DirectoryIndex: sets the file that Apache will serve if a directory
# is requested.
```

```
Salma >> sudo htpasswd -c .htpasswd salma
New password:
Re-type new password:
Adding password for user salma
```

- Create a directory then allow access to one of your classmates only.

```
<Directory "/var/www/html/directory">
    Order allow,deny
    Deny from all
    Allow from 192.168.1.3
</Directory>
```

- Disable listing the directory content (hint use indexes)

```
# The Options directive is both complicated and important. Please see
# http://httpd.apache.org/docs/2.4/mod/core.html#options
# for more information.
#
#Options Indexes FollowSymLinks
Options -Indexes +FollowSymLinks

#
# AllowOverride controls what directives may be placed in .htaccess files.
# It can be "All", "None", or any combination of the keywords:
#   Options FileInfo AuthConfig Limit
#
AllowOverride None

-- INSERT --
```

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# Forbidden

You don't have permission to access this resource.

- Change the default index page to be default.html instead of index.html

```
#
# DirectoryIndex: sets the file that Apache will serve if a directory
# is requested.
#
<IfModule dir_module>
    DirectoryIndex default.html
</IfModule>

#
# The following lines prevent .htaccess and .htpasswd files from being
# viewed by Web clients.
#
<Files ".ht*">
    Require all denied
</Files>

#
# ErrorLog: The location of the error log file.
-- INSERT --
```