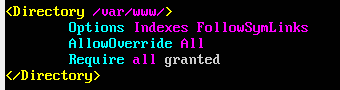
Apache Web Server Configuration – Part II

# Virtual Host Configuration

* The Apache Web Server supports configuration of virtual hosts to suit the needs of both the clients and the Web Admin.
* These modules however aren’t enabled from start.They need to be installed manually by the server administrator.
* Configuration of the modules can be done in serveral approaches:
  + - By editing the configuration ( ‘*.conf’* ) file of the module (Note that these will affect all virtual hosts that supports the said module).
    - Doing the configuration per directory through the use of .htaccess files (The approach that this paper is going to demonstrate).
* Configuration of Virtual Hosts can be done through these steps:

1. Edit the main configuration file of the Apache Web Server (*“apache.conf”*) by typing in

sudo vi /etc/apache2/apache2.conf

1. Under the <Directory /var/www/>, change the option *“AllowOverride None”* to *“AllowOverride All”*. This will allow the use of .htaccess files.

sudo service apache2 restart

1. Restart the web server by typing in the command
2. The modules are located at the *“/etc/apache2/mods-available”.* In order to activate a module (for example, the deflate module), use the command

sudo a2dismod deflate

sudo a2enmod deflate

1. To disable the module, use the command
2. Enabling modules requires restarting of the server. Do step three whenever enabling/disabling modules.
3. To configure the module for a specific virtual host, you need to create a file named *“.htaccess”* in the root document directory of the virtual host. The file will contain settings for that virtual host.