Apache Web Server Configuration – Part II

# AWSC – Part II Activity Guide

* This paper will contain general instructions on how to perform the activities on the second part of the AWSC.
* The specifics on how to do each tasks are in separate instruction manuals, refer to them occasionally.
* First Activity: Group Advocacy Page
  + - Create a virtual host with the name [www.group5.org](http://www.group5.org)
    - Enable the modules *deflate* and *expires*
    - Add these lines in the .htaccess file
    - AddOutputFilterByType DEFLATE text/html text/css
    - ExpiresActive On
    - ExpiresDefault “access plus 24 hours”
    - ExpiresByType image.jpg “access plus 24 hours”
    - ExpiresByType image.png “access plus 24 hours”
    - ExpiresByType image.gif “access plus 24 hours”
* Second Activity: Individual Portfolio Page
  + - Just create a virtual host with the name www.<yourIDNumber>.org No more configurations are required.
* Third Activity: Content Negotiation
  + Create a virtual host with the name webtek.negotiate.org
  + Enable the negotiation module
  + On the .htaccess file, add the line
  + Options +MultiViews
* Fourth Activity: Access and Authorization
  + - Create a virtual host with the name webtek.access.org
    - Enable the modules authn\_core and authz\_core
    - Create a file named .htpasswd in the root document directory (/var/www/webtek.access.org/.htpasswd)
    - Enter the command

sudo htpasswd /var/www/webtek.access.org/.htpasswd <yourIDNumber>

* + - You will be prompted to enter a password. Type in any password you want
    - In the .htaccess file, add these following lines
* Require host .edu
* Require host .org
* AuthType Basic
* AuthName “Restricted Content”
* AuthUserFile /var/www/webtek.access.org/.htpasswd
* Require valid-user
* Require method GET HEAD POST
* Fifth Activity: Server Side Includes
  + - Create a virtual host with the name webtek.ssi.org
    - Enable the include module
    - On the .htaccess file, add the following lines
  + Options +Includes
  + XBitHack On
* Sixth Activity: HTTPS Requests
  + - Follow the instructions provided in this link: <https://www.digitalocean.com/community/tutorials/how-to-create-a-ssl-certificate-on-apache-for-ubuntu-14-04>