

Apache Web Server Configuration – Part II

IV. 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
 - 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

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