CIS232 – Apache & FTP

Install Apache

The following must be fulfilled:
- You must be able to open the default home page of the web server from any computer on your internal network by entering www.cis232.bcc.
- You must be able to open the page from a computer on the college's network using the external ip address of the server
- You must create a basic web page. The default home page must be named home.html

1. Display a web browser opened to your web server's home page while at the client. Be sure to include the title bar of the client's virtual machine and the address bar of the browser.
2. Display a web browser opened to your web server's home page while at a computer on the BCC network. Include the address bar in the screenshot.
3. Display the contents of the /srv/www/htdocs directory
4. Explain how you configured the home.html file to be the default home page. Include screenshots to support your explanation.
5. Include a screenshot which displays all records in your DNS server's forward lookup zone.

FTP

The following must be fulfilled:
- Allow local users the ability to ftp to the server; make their home folder their FTP folder
- Allow anonymous logins and uploads
- The service must be configured to load at boot
- Allow access from the internal and external network

6. Provide a screenshot of each of the following tabs within Yast's FTP Server
   a. Start-up
   b. General
   c. Authentication
   d. Expert settings – firewall details

7. Display the contents of the last 20 lines of the server's passwd file
8. While at the client, move to the /sales directory (if you don't have one, create one). Put some files in that directory and move there.
9. At the client, use the ftp command to authenticate as a user to the ftp server. Display the command used and its output.
10. While at the ftp prompt, transfer one file from the user's home folder on the server to the local /sales folder. Include all commands used to complete the task.
11. While still at the ftp prompt, transfer one file from the local machine's /sales folder to the user's home folder and then end the ftp session. Include all commands used and the output of each command as your answer.
12. While at the client, use the ftp command to login to the ftp server anonymously. Include the command use and its output.
13. While at the client, use a web browser to connect to the ftp server as a user. Include the resulting browser's window as your answer.
14. While at the client, use a web browser to connect to the ftp server anonymously. Include the resulting browser's window as your answer.

15. Select one of the users that currently has an account on your server and configure him/her to NOT be able to use ftp. Confirm that your configuration worked. Include as your answer an explanation of what you did and how you tested it.
16. Install filezilla on the client and use it to connect to the ftp server as a user. Include a screenshot of the filezilla window which confirms successful login of a user.
17. At a computer on the college network but not on your internal network, use the ftp command to connect to your ftp server. Include the command used and its output as your answer to this question.
18. At a computer on the college network use either filezilla or winscp to connect to your ftp server. Include a screenshot which confirms a successful connection. I need confirmation that it was successful and that you're on a computer that's not on your private network.