Configure FTP Access

XAMPP includes proFTPD, an open-source FTP server. This makes it easy to transfer files to and from a XAMPP environment using FTP.

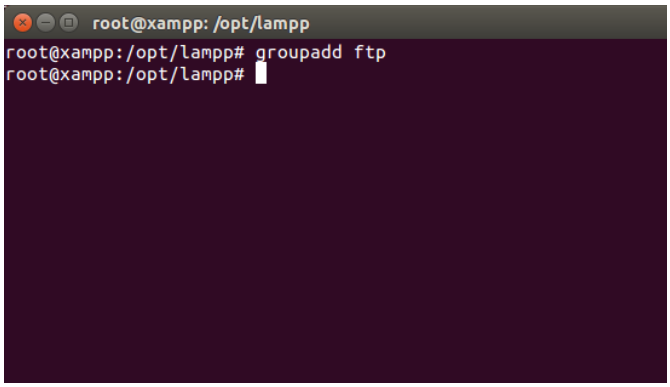
To illustrate, assume that you have a simple PHP script named *example.php* in your home directory containing the following code, that you wish to transfer to the XAMPP server.

```
<!-- example.php -->
<html>
 <head></head>
 <body>
   <h2><?php echo "Hello. Today is " . date('l'); ?>.</h2>
 </body>
</html>
```

To transfer files via the proFTPD server, you first need to configure FTP access rules. Follow these steps.

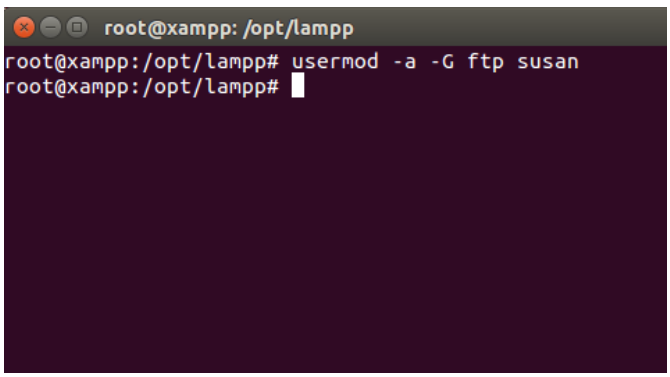
1. Open a new Linux terminal and ensure you are logged in as root.
2. Create a new group named *ftp*. This group will contain those user accounts allowed to upload files via FTP.

   ```
   groupadd ftp
   ```

3. Add your account (in this example, *susan*) to the new group. Add other users if needed.

   ```
   usermod -a -G ftp susan
   ```

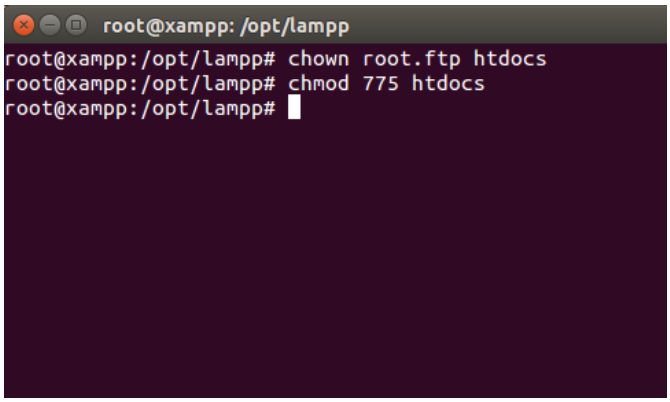
4. Change the ownership and permissions of the *htdocs/* subdirectory of the XAMPP installation directory

(typically, */opt/lampp*) so that it is writable by the the new *ftp* group.

```
cd /opt/lampp
```

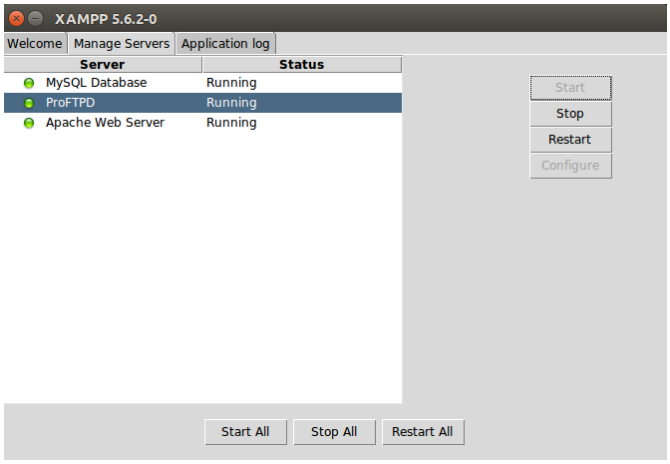
```
chown root.ftp htdocs
```

```
chmod 775 htdocs
```



TIP If you're using XAMPP in a single-user scenario and there will only be one user transferring files via FTP, you can skip creating a new group and instead simply transfer full ownership of the *htdocs/* directory to that user. To do this, use a command like *chown susan.susan htdocs*.

5. Ensure that proFTPD is running in the XAMPP control panel.



You can now transfer files to the XAMPP server using the steps below:

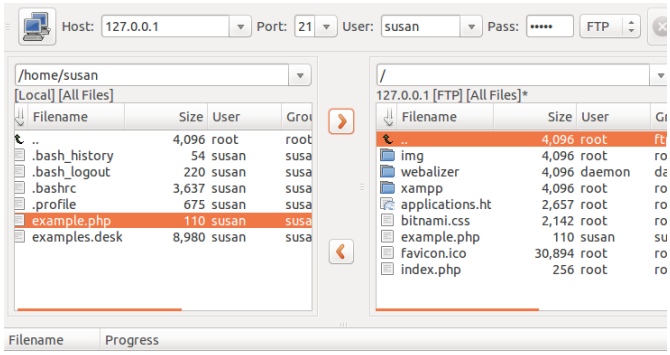
1. Start an FTP client and enter connection details as below.

    - If you're connecting to the server from the same system, use "127.0.0.1" as the host address. If you're connecting from a different system, use the network hostname or IP address of the XAMPP server.

- Use "21" as the port.
- Enter your Linux username and password as your FTP credentials.

Your FTP client should now connect to the server and enter the */opt/lampp/htdocs/* directory, which is the default Web server document root.

2. Transfer the file from your home directory to the server using normal FTP transfer conventions. If you're using a graphical FTP client, you can usually drag and drop the file from one directory to the other. If you're using a command-line FTP client, you can use the FTP PUT command.



3. Once the file is successfully transferred, you should be able to see it in action by browsing to http://localhost/example.php, as shown below:

