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.

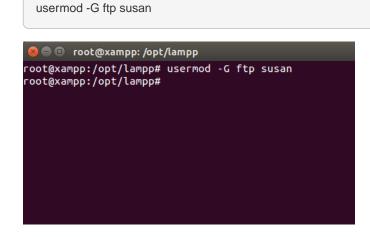
```
<!-- example.php -->
<html>
<head></head>
<body>
<h2><?php echo "Hello. Today is " . date('I'); ?>.</h2>
</body>
</html>
```

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.

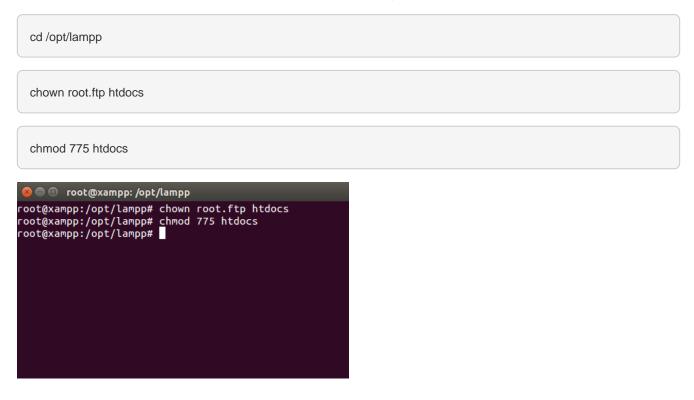
| groupadd ftp | |
|---|--|
| 😣 🔿 💿 root@xampp: /opt/lampp | |
| <pre>root@xampp:/opt/lampp# groupadd ftp root@xampp:/opt/lampp#</pre> | |
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3. Add your account (in this example, *susan*) to the new group. Add other users if needed.



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

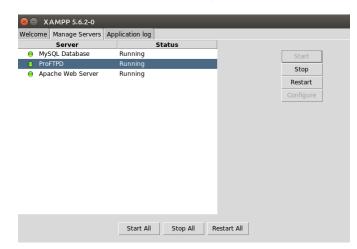
(typically, /opt/lampp) so that it is writable by the the new ftp group.



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.

| home/susan | | | • | | / | | | 1 |
|-------------------|-------|-------|------|---|---------------------------|--------|--------|---|
| ocal] [All Files] | | | | | 127.0.0.1 [FTP] [All File | s]* | | |
| Filename | Size | User | Grou | | 👌 Filename | Size | User | C |
| | 4,096 | root | root | ٩ | t | 4,096 | root | f |
| .bash_history | 54 | susan | susa | | 🛅 img | 4,096 | root | r |
| .bash_logout | 220 | susan | susa | | 🛅 webalizer | 4,096 | daemon | C |
| .bashrc | 3,637 | susan | susa | | 📄 xampp | 4,096 | root | Г |
| .profile | 675 | susan | susa | | 🔯 applications.ht | 2,657 | root | Г |
| example.php | 110 | susan | susa | | bitnami.css | 2,142 | root | r |
| examples.desk | 8,980 | susan | susa | | 📃 example.php | 110 : | susan | S |
| | | | | < | favicon.ico | 30,894 | | Г |
| | | | | | 📃 index.php | 256 | root | Г |

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:

| 😣 🖻 🕕 Mozilla Firefox | | |
|-----------------------------|-----|---|
| 🔀 http://locample.php × 🕂 | | |
| 🗲 🕙 localhost/example.php | - G | ≡ |
| Hello. Today is Wednesday. | | |
| fields found is weather and | | |
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