

# Changing Ports

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## 1 Introduction

In most cases, the default port is specified in a configuration file, so you just need to change the port in the configuration file and then restart the appropriate server. The `netstat` command will let you check that the service is infact running on the correct port.

## 2 Changing HTTP Port

The default port for HTTP is port 80. You can modify this by completing the following instructions.

1. Open the file at `/etc/apache2/ports.conf`

```
sudo nano /etc/apache2/ports.conf
```

2. Find `Listen 80` and change 80 to another value. For example, it may read `Listen 12345` after you make the change.
3. Save and close the file.

4. Open the file at `/etc/apache2/sites-enabled/000-default.conf`

```
sudo nano /etc/apache2/sites-enabled/000-default.conf
```

5. Modify the line with `<VirtualHost *:80>` to match the new port. That is, it might be modified to `<VirtualHost *:12345>` if you wanted to switch to port 12345.
6. Restart the server with the following command:

```
sudo service apache2 restart
```

7. Browse to the new port in a web browser by visiting `http://localhost:12345`.
8. Reset the port back to port 80 by following steps 1 through 7 again.

### 3 Changing the FTP Port

Complete the following to change the FTP port. The default port is 21.

1. Open the vsftpd config file.

```
sudo nano /etc/vsftpd.conf
```

2. Add the following line to match new port.

```
listen_port=54321
```

3. Save and close the file.
4. Restart the server.

```
sudo service vsftpd restart
```

5. Login on the new port

```
ftp localhost 54321
```

6. Repeat steps 1 through 5 using port 21 to reset it back to the default.

### 4 Changing the SSH Port

SSH is usually hosted on port 22. You can change this using the following instructions.

1. Open the config file.

```
sudo nano /etc/ssh/sshd_config
```

2. Modify `Port 22` to use a different value such as `Port 2222`.
3. Save and close the file.
4. Restart the service.

```
sudo service ssh restart
```

5. Login on the new port

```
ssh -p 2222 localhost
```

6. To set it back to 22, repeat steps 1 through 5, but use 22.

## 5 Changing the MySQL Port

The default port for MySQL is 3306. To change this, complete the following instructions.

1. Open the config file.

```
sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf
```

2. Find the `[client]` section and modify the port.

By default it shows the following:

```
port                = 3306
```

Consider trying port 6033.

```
port                = 6033
```

3. Now find the `[mysqld]` section and modify the port there too.

By default it shows the following:

```
port                = 3306
```

Consider trying port 6033.

```
port                = 6033
```

4. After modifying both the `[client]` and `[mysqld]` sections, save and close the file.
5. Restart the server.

```
sudo service mysql restart
```

6. Find and note your ip address using `ifconfig`.

7. Login on the new port to test. Replace `x.x.x.x` with your ip address and `user-name` with the username you created.

```
mysql -h x.x.x.x -u user-name -p
```