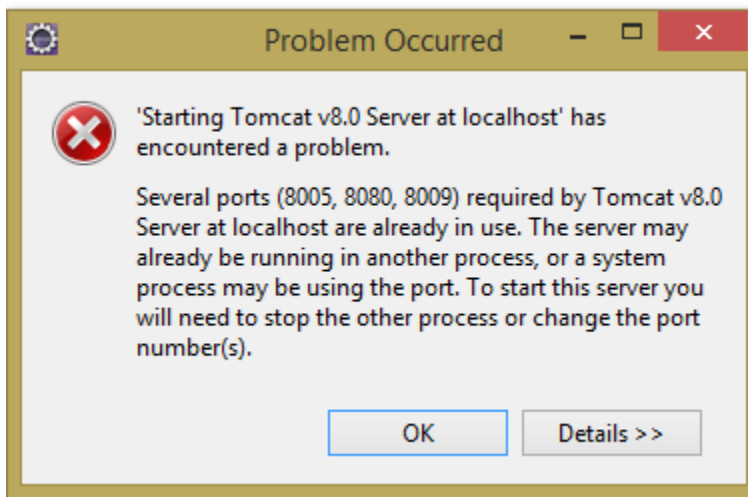


# FAQ: HELP! - Can't Start Tomcat - Ports are in Use!

## Can't Start Tomcat - Ports are in Use

You may have a problem starting Tomcat. You may see this ugly error message about ports in use.



## Solution

You can use the troubleshooting tips below.

### ***Troubleshooting Tip #1***

1. Exit Eclipse
2. Open a web browser and visit, <http://localhost:8080>
3. If you see a "Tomcat" web page then that means Tomcat is running as a Windows service. To stop Tomcat running as a Windows service, open your Windows Control Panel. Find the service "Apache Tomcat" and stop it.

4. If you don't see a "Tomcat" web page, then stop the appropriate process displayed.

--

### ***Troubleshooting Tip #2 - GUI Option***

Steps to free port which is already used to run Tomcat server in Eclipse

1. On MS Windows, select *Start > All Programs > Accessories > System Tools > Resource Monitor*
2. Expand the **Network Tab**
3. Move to the section for **Listening Ports**
4. Look in the Port column and scroll to find entry for port 8080
5. Select the given process and delete/kill the process
6. Return back to Eclipse and start the Tomcat Server, it should start up now.

---

### ***Troubleshooting Tip #3 - Command-Line Option***

Steps to free port which is already used to run Tomcat server in Eclipse

For example , suppose 8080 port is used , we need to make free 8080 to run tomcat

Step 1: (open the CMD command)

```
C:\Users\username> netstat -o -n -a | findstr 0.0:8080
```

TCP	0.0.0.0:3000	0.0.0.0:0	LISTENING	3116
-----	--------------	-----------	-----------	------

Now , we can see that LISTENING port is 3116 for 8080 ,

We need to kill 3116 now

Step 2:

```
C:\Users\username>taskkill /F /PID 3116
```

Step 3: Return back to Eclipse and start the Tomcat Server, it should start up now.

====

## Mac/Linux SOLUTION

Step 0: Exit Eclipse

Step 1: Open a terminal window

Step 2: Enter the following command to find the process id

1. `lsof -i :8080`

This will give output of the application that is running on port 8080

Step 3: Enter the following command to kill the process

1. `kill $(lsof -t -i :8080)`

Step 4: Return back to Eclipse and start the Tomcat Server, it should start up now.

