# Travis Alerts Notifier

A Java-based application which requires to be hosted on a server.

## Required Files

Our project folder is available at:

Pre-packaged .jar file: <https://s3.amazonaws.com/ctms-bucket/travis-alerts-0.2.1-MASTER.jar>

## Background Steps

1. Ensure a port is available on your chosen-server for both incoming and outgoing connections. If this is anything other than **port 80**, you will update the ***application.properties*** file within the project folder with your chosen port value. (*src > main > resources > application.properties*).
   1. **Ensure that you recompile the project after doing this, with the command ‘mvn package’**

## Setting up Travis Alerts Notifier on a new server

1. **Configure Travis Alerts with a Slack account.**
   1. Go to <https://api.slack.com/apps> and select ‘Create new app’
      1. Under “App Name”, enter “Travis Alerts Notifier”
      2. Under “Development Slack Workspace”, select “mdsol”
   2. Under “**Add Features and Functionality**”, select “Incoming Webhooks”
      1. Enable incoming webhooks.
   3. Under “**Add Features and Functionality**”, select “Slash Commands”
      1. Create the following commands, with the following settings.
      2. **Command Get Status**
         1. ‘Command’ field – “/getstatus”
         2. ‘Request URL’ field – http://[hostname]/command/getstatus
            1. **Ensure that you replace [hostname] with the servers actual hostname and include and port numbers on the end**
         3. ‘Short Description’ field – “Gets status of current branch.”
         4. ‘Usage hint’ field – “[repo] [branch]”
      3. **Command Start Polling**
         1. ‘Command’ field – “/startpolling”
         2. ‘Request URL’ field – http://[hostname]/command/startpolling
            1. **Ensure that you replace [hostname] with the servers actual hostname and include and port numbers on the end**
         3. ‘Short Description’ field – “Starts polling a new GitHub branch.
         4. ‘Usage hint’ field – “[repo] [branch] [minutes]”
      4. **Command Stop Polling**
         1. ‘Command’ field – “/stoppolling”
         2. ‘Request URL’ field – http://[hostname]/command/stoppolling
            1. **Ensure that you replace [hostname] with the servers actual hostname and include and port numbers on the end**
         3. ‘Short Description’ field – “Stops a polling service.”
         4. ‘Usage hint’ field – “[repo] [branch]
   4. Under “**Add Features and Functionality**”, select “Permissions”
      * 1. Scroll down to “Redirect URLs”
        2. Select “Add New Redirect URL”
        3. Enter “http://hostname/configure”
           1. **Ensure that you replace [hostname] with the servers actual hostname and include and port numbers on the end**
2. **Configuring the server to listen for incoming connections.** 
   1. Go to <https://api.slack.com/apps>
   2. Select the app which you previously created.
   3. Scroll down to “App Credentials”
   4. Go to <https://developer.travis-ci.com/authentication> and follow the steps to generate an “API token for a private project on travis-ci.com”
   5. Add the following environment variable, ensuring to replace [Token] with the previously generated token.

export TRAVIS\_TOKEN="[Token]"

* 1. For Slack, add the following environment variables to the server, replacing their values with the values under “App Credentials”

export TRAVIS\_ALERTS\_CLIENT\_ID="[Client ID]"

export TRAVIS\_ALERTS\_CLIENT\_SECRET=" [Client Secret]"

* 1. Download the pre-packaged .jar file to any server with Java installed.
  2. Run the Java file with “java –jar [java file name]”

Note: By default, Travis Alerts Notifier listens for and accepts connections on port ‘80’. You can change the port number in the project folder under *src > main > resources > application.properties*

**Ensure that you recompile the project after doing this, with the command ‘mvn package’**