

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*).
 - a. **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.**
 - b. Go to <https://api.slack.com/apps> and select 'Create new app'
 - i. Under "App Name", enter "Travis Alerts Notifier"
 - ii. Under "Development Slack Workspace", select "mdsol"
 - c. Under "**Add Features and Functionality**", select "Incoming Webhooks"
 - i. Enable incoming webhooks.
 - d. Under "**Add Features and Functionality**", select "Slash Commands"
 - i. Create the following commands, with the following settings.
 - ii. **Command Get Status**
 1. 'Command' field – `/getstatus`
 2. 'Request URL' field – `http://[hostname]/command/getstatus`
 - a. **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]"`
 - iii. **Command Start Polling**
 1. 'Command' field – `/startpolling`
 2. 'Request URL' field – `http://[hostname]/command/startpolling`
 - a. **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]"`
 - iv. **Command Stop Polling**
 1. 'Command' field – `/stoppolling`
 2. 'Request URL' field – `http://[hostname]/command/stoppolling`
 - a. **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]"`
 - e. Under "**Add Features and Functionality**", select "Permissions"

1. Scroll down to "Redirect URLs"
 2. Select "Add New Redirect URL"
 3. Enter "http://hostname/configure"
 - a. **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.**
- a. Go to <https://api.slack.com/apps>
 - b. Select the app which you previously created.
 - c. Scroll down to "App Credentials"
 - d. 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"
 - e. Add the following environment variable, ensuring to replace [Token] with the previously generated token.

```
export TRAVIS_TOKEN="[Token]"
```
 - f. 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]"
```
 - g. Download the pre-packaged .jar file to any server with Java installed.
 - h. 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'