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Postman mail plugin
v. 0.1.8-SNAPSHOT
User Guide

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1 Introduction

1.1 Maven Postaman Plugin

The postman plugin allows you to send emails from within your build. Goals are available to send mails if a certain condition is met during the build. Or you can just fire a mail when ever you like.

1.1.1 Goals Overview

The `send-mail` goal allows you to send a mail with a list of attachments. Where `surefire-mail` sends you a mail if the tests failed, this is usefull if for any reason you have to complete the build even there are test failures. `taglist-mail` sends you a mail if the `org.codehaus.mojo:taglist-maven-plugin` has found some tags/tokens in the source.

- [goals](#) gives you an overview of the available goals.

1.1.2 Usage

Instructions on how to use the Plugin can be found at:

- [Send a simple mail with attachment.](#)
- [Send a notification if the test cases fail.](#)
- [Send a notification if a specific token was found in the source.](#)

1.1.3 Repository

The `maven-postman-plugin` is available on the maven central repo, therefore you do not have to add any additional repository definition to be able to use it.

2 Send mail

2.1 send-mail

The send-mail goal allows you to send a mail during the build, optional you can add attachments too.

```
<plugin>
  <groupId>ch.fortysix</groupId>
  <artifactId>maven-postman-plugin</artifactId>
  <executions>
    <execution>
      <id>send a mail</id>
      <phase>package</phase>
      <goals>
        <goal>send-mail</goal>
      </goals>
      <inherited>>false</inherited>
      <configuration>
        <from>builder@myhost.com</from>
        <subject>a subject</subject>
        <failonerror>>true</failonerror>
        <mailhost>mail.dummy.ch</mailhost>
        <mailuser>XXXXXX</mailuser>
        <mailpassword>XXXXXX</mailpassword>
        <htmlMessageFile>src/main/
MailContent.html</htmlMessageFile>
        <receivers>
          <receiver>dani</receiver>
          <receiver>sam@any-company.com</
receiver>
        </receivers>
        <fileSets>
          <fileSet>
            <directory>${basedir}/src/
main</directory>
            <includes>
              <include>**/*.pdf</
include>
            </includes>
          </fileSet>
        </fileSets>
      </configuration>
    </execution>
  </executions>
</plugin>
```

3 Testfailure notification

3.1 surefire-mail

Send a mail if the testcases fail. This is usefull if you have desided not to have the full build failing if your testcases fail (for any reason, usefull or not...).

The plugin computes the test results from the previous run of the `mave-surefire-plugin`, therefore the tests should have been executed.

This goal is able to send you the HTML report from the `maven-surefire-report-plugin`, but this is only possible if postman is executed after the report plugin. This can be achieved by setting the execution phase to `site`. If this is not the case, you will only receive a pure text mail.

The property `groovyCondition` allows you to redefine the condition to send the mail. e.g. one can define that there must not be more then 20 skipped test cases (`skipped > 20`). The default condition sends mails if there are any errors. The following variables are available for usage in the condition:

- `errors`: number of all errors while running surefire
- `skipped`: number of all skipped test cases
- `failures`: number of all failures in the test cases
- `total`: number of all test cases

Other (usefull or not...) examples:

- `errors > 0` : sends a mail only if there are errors
- `skipped > failures` : sends mails if there are more skipped then failed test cases
- `total == skipped` : Sends mails if all tests are skipped

To avoid problems with XML syntax, one can use a CDATA element. The default only sends a mail if there are errors or failures, but ignores the skipped ones.

btw. with JUnit a test gets skipped if you add the `@Ignore (org.junit.Ignore)` annotation to it.

Default value is: `errors > 0 || failures > 0`

```
<build>
  ....
  <plugin>
    <groupId>ch.fortysix</groupId>
    <artifactId>maven-postman-plugin</artifactId>
    <configuration>
      <skip>>false</skip>
      <from>builder@myhost.com</from>
      <failonerror>>true</failonerror>
      <mailhost>mail.dummy.ch</mailhost>
      <mailuser>XXXXXX</mailuser>
      <mailpassword>XXXXXX</mailpassword>
      <receivers>
        <receiver>dev1</receiver>
        <receiver>dundy@youcomp.com</receiver>
        <receiver>dev2</receiver>
      </receivers>
    </configuration>
  </plugin>
  <executions>
    <execution>
      <id>send surefire notification</id>
```

```
        <phase>site</phase>
        <goals>
            <goal>surefire-mail</goal>
        </goals>
        <configuration>
            <subject>Test Surefire</subject>
            <groovyCondition><![CDATA[errors < skipped]]></
groovyCondition>
            <receivers>
                <receiver>l111</receiver>
            </receivers>
        </configuration>
    </execution>
</executions>
</plugin>
....
</plugins>
</build>

<reporting>
    <plugins>
        ....
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-surefire-report-plugin</artifactId>
            <version>2.4.3</version>
        </plugin>
        ....
    </reporting>
```


4 Taglist notification

4.1 taglist-mail

Send a mail if the taglist plugin finds some specific tokens.

This goal collects the needed information from the taglist-maven-plugin report, therefore it has to be executed after the site report generation. This can be achieved by setting the execution phase of the postman taglist-mail goal to site.

```
<build>
  ....
  <plugin>
    <groupId>ch.fortysix</groupId>
    <artifactId>maven-postman-plugin</artifactId>
    <configuration>
      <skip>>false</skip>
      <from>builder@myhost.com</from>
      <failonerror>>true</failonerror>
      <mailhost>mail.dummy.ch</mailhost>
      <mailuser>XXXXX</mailuser>
      <mailpassword>XXXXX</mailpassword>
    </configuration>
    <executions>
      <execution>
        <id>send surefire notification</id>
        <phase>site</phase>
        <goals>
          <goal>taglist-mail</goal>
        </goals>
        <configuration>
          <subject>Taglist notification</subject>
          <tagClasses>
            <tagClass>
              <displayName>Todo_Domi</displayName>
              <receivers>
                <receiver>domi</receiver>
                <receiver>chief@mycomp.com</receiver>
              </receivers>
            </tagClass>
          </tagClasses>
        </configuration>
      </execution>
    </executions>
  </plugin>
  ....
</build>

<reporting>
  <plugins>
    ....
  </plugin>
```

```
<groupId>org.codehaus.mojo</groupId>
<artifactId>taglist-maven-plugin</artifactId>
<version>2.4</version>
<configuration>
  <tagListOptions>
    <tagClasses>
      <tagClass>
        <displayName>Todo_Domi</displayName>
        <tags>
          <tag>
            <matchString>todo domi</matchString>
            <matchType>ignoreCase</matchType>
          </tag>
        </tags>
      </tagClass>
    </tagClasses>
  </tagListOptions>
</configuration>
</plugin>
....
</reporting>
```