

Attention-plugin

Plugin Information

View Attention on [the plugin site](#) for more information.

Description

A plugin to handle red builds in Jenkins. The plugin allows users to volunteer to investigate/fix red builds. It also creates a report with all volunteers and a summary report of all the current red builds in a view. For develops it's possible to extend the attention plugin to create your own build failure detection to populate the issue list.

Configuration

After installing the plugin you need to setup the plugin for sending mail and also adding the teams. Go to Manage Jenkins -> Configure System.

Volunteer E-mail configuration

From	<input type="text" value="somesender@something.end"/>
Reply to	<input type="text" value="somereceiver@something.end"/>
Server	<input type="text" value="somemailserver.something.end"/>
Username	<input type="text" value="someusername"/>
password	<input type="password"/>

Volunteer view filter

Show the All view in red build report

Volunteer team configuration

Name	<input type="text" value="Team1"/>
E-mail	<input type="text" value="t1@something.end"/>
	<input type="button" value="Delete"/>
Name	<input type="text" value="Team2"/>
E-mail	<input type="text" value="t2@something.end"/>
	<input type="button" value="Delete"/>
	<input type="button" value="Add"/>

This plugin will also require that you enable user security and the users need to login before they can volunteer.

Volunteer to fix/investigate build

When a build goes red there will be a volunteer section on the build page where the users can volunteer them self or another user/team. The one volunteered will be notified via mail (if different from the logged in user).



Volunteer

Intermittent problem:
Fix submitted:

Volunteer configuration
Volunteer: is
Issue:

Comment (optional):

Volunteers
🚫 MJ volunteered to **investigate** the build
Issue: Unspecified
Comment: 165
🚫 Team1 were volunteered by MJ to **investigate** the build on 2015-10-09 14:23
Issue: Unspecified
Comment: ds

Build Failure Report

The Build Failure report will list all the failed builds in the current view. Information such as number of failures and who broke the build initially will be displayed.



Jenkins

Jenkins > Build Failure Report

- New Item
- People
- Build History
- Manage Jenkins
- Credentials
- Build Failure Report**
- Volunteer Report



Build Failure Report

View:

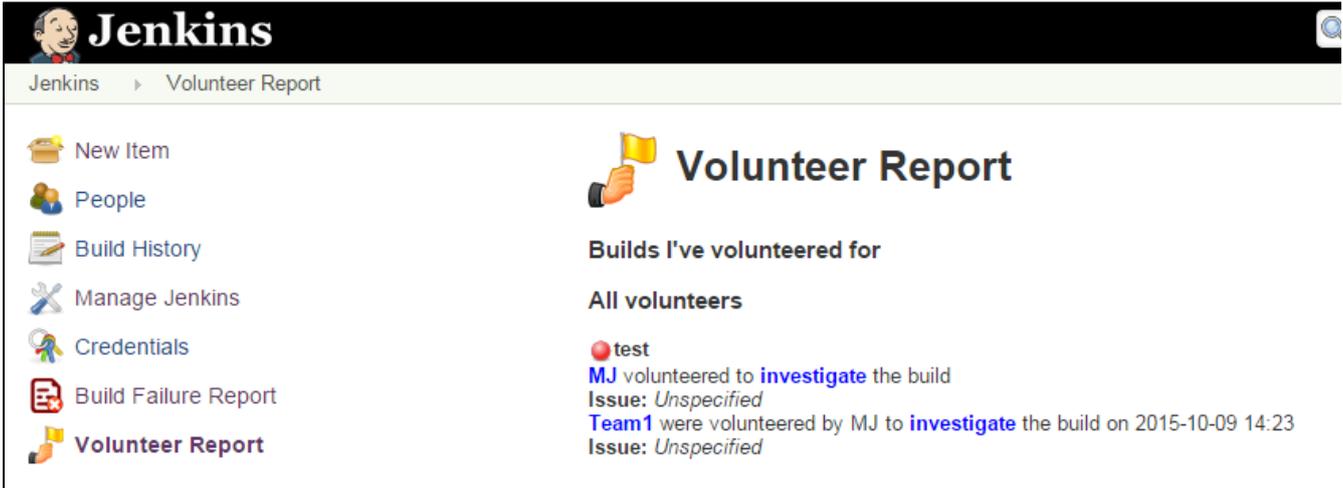
test #3

Failed 3 times in a row and has failed 3 times out of the 3 last builds.

Investigators:
MJ, Team1

Volunteer Report

The volunteer report lists the builds that contains volunteers. At the beginning of the page the builds that the current user has volunteered for will be shown.



Jenkins

Jenkins > Volunteer Report

New Item
People
Build History
Manage Jenkins
Credentials
Build Failure Report
Volunteer Report

Volunteer Report

Builds I've volunteered for

All volunteers

- test
- MJ volunteered to **investigate** the build
Issue: *Unspecified*
- Team1 were volunteered by MJ to **investigate** the build on 2015-10-09 14:23
Issue: *Unspecified*

Extension point

If you are a developer and want to add your own issue detection you can write a class to your own plugin that extends the `AttentionExtension` class

Maven dependency

```
<dependency>
  <groupId>org.jenkins-ci.plugins</groupId>
  <artifactId>attention</artifactId>
  <version>X.X</version>
  <optional>true</optional>
</dependency>
```

Example

```
@Extension
public class JunitAttentionExtension extends AttentionExtension {

    @Override
    public List<DetectedIssue> getIssues(Run<?, ?> run) {
        List<TestResultAction> actions = run.getActions
        (TestResultAction.class);
        List<DetectedIssue> issues = new LinkedList<DetectedIssue>();

        for (TestResultAction action : actions) {
            List<CaseResult> failedTests = action.getFailedTests();
            for (CaseResult result : failedTests) {
                DetectedIssue issue = new DetectedIssue
                (TestResultAction.class.getName());
                issue.setupTestFailure(result.getTitle(), result.
                getErrorDetails(), result.getFailedSince(),
                result.getFailCount());
                issues.add(issue);
            }
        }
    }
}
```

```
        return issues;
    }
}
```

Versions

Version 1.1 (relased October 10, 2015)

- Made the dependency to junit optional
- Fixed a bug that would print the smtp password when configuring Jenkins

Version 1.0 (released October 09, 2015)

- The attention plugin was released to the public.