

A Jenkins Plugin to notify Atlassian Stash|Bitbucket of build results <https://wiki.jenkins.io/display/JENK...>
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images	ReadMe: Add setup instructions	2 years ago
src	run idea auto-format on sources	11 months ago
.gitignore	* Update .gitignore	3 years ago
.travis.yml	1.9 release	3 years ago
CODE_COVERAGE.md	removed example from CODE_COVERAGE.md	3 years ago
Jenkinsfile	Derp	a year ago
LICENSE	placed under Apache 2.0 license and improved readme	6 years ago
pom.xml	update org.apache.httpcomponents to 4.3.6	2 months ago
readme.md	Point out which credentials are used by the plugin and which are not.	3 months ago

readme.md

Stash Build Notifier Plugin for Jenkins

This Jenkins plugin notifies Stash of build results. Failed or successful builds will show up as little icons in the Stash web interface in commit logs. Clicking on such an icon will take the user to the specific build.

Requirements

- Stash 2.1 or newer. This plugin uses the Atlassian [Stash Build REST API](#) which was introduced with Stash 2.1.
- Jenkins 1.498 or newer

Setup

Set up Stash Notifier by navigating to `Manage Jenkins --> Configure System` and scrolling down to the **Stash Notifier** section. Enter *at least* your `Stash Root Url` and `Credentials`. Additional options are available as required. (Screenshot below is from Jenkins v2.44)

Stash Notifier

Stash Root Url

http://your.stash.location.com

Credentials

- none -

Add

Ignore unverified SSL certificates

☐

Keep repeated builds in Stash

☐

Prepend parent project name to key

☐

Disable INPROGRESS notification

☐

Usage

Use the Stash Notifier by adding it as a *Post Step* in your Jenkins build job configuration.

1. In your Jenkins job configuration go to the *Post-build Actions* section, click on *Add post-build action* and select *Notify Stash Instance*
2. Enter the Stash base URL, e. g. <http://localhost:7990> or <http://my.company/stash> . If in doubt, go to your local Stash server and check the URL in the browser. The URL <http://georg@localhost:7991/projects> e. g. reveals the server base URL, which is <http://localhost:7991> in this case.
3. Use the [Credentials Plugin](#) to select credentials for Stash. Please note that SSH credentials (public/private key) from Jenkins that might be added to Stash are **not** used for the authentication. Typically, in order to access Stash you would add a service account (username and password) to Jenkins.

That's it. If you have configured everything correctly, Jenkins will notify your Stash instance of subsequent builds. The result is illustrated on Atlassians [Stash Build Integration](#) wiki page.

Note on Pipeline Plugin usage

See the following code for an example of how to use this plugin inside of a [Pipeline Plugin](#). You must set the result of the current build manually in the Pipeline script.

```
node {
    checkout scm                                // Necessary so we know the current commit

    notifyBitbucket()                          // Notifies the Stash Instance of an INPROGRESS build

    try {
        // Do stuff

        currentBuild.result = 'SUCCESS'        // Set result of currentBuild !Important!
    } catch(err) {
        currentBuild.result = 'FAILED'         // Set result of currentBuild !Important!
    }

    notifyBitbucket()                          // Notifies the Stash Instance of the build result
}
```

In situations where an advanced setup is required the following can be used:

```
node {
    this.notifyBitbucket('INPROGRESS')        // Notifies the Stash Instance of an INPROGRESS build

    try {
        // Do stuff

        this.notifyBitbucket('SUCCESS')
    } catch(err) {
        this.notifyBitbucket('FAILED')
    }
}

def notifyBitbucket(String state) {
    if('SUCCESS' == state || 'FAILED' == state) {
        currentBuild.result = state          // Set result of currentBuild !Important!
    }
    notifyBitbucket commitSh1: "commit",
        credentialsId: '00000000-1111-2222-3333-123456789abc',
        disableInProgressNotification: false,
        considerUnstableAsSuccess: true,
        ignoreUnverifiedSSLPeer: true,
        includeBuildNumberInKey: false,
        prependParentProjectKey: false,
        projectKey: '',
        stashServerBaseUrl: 'https://stash.company.com'
}
```

In [Declarative Pipelines](#), where Jenkins sets `currentBuild.result = null` for `SUCCESS` builds, the current value can be modified via a `script` step, e.g.:

```
pipeline {
  agent any
  stages {
    stage('Build') {
      steps {
        echo 'Hello World'
        // currentBuild.result == null here
      }
    }
  }
  post {
    always {
      script {
        currentBuild.result = currentBuild.result ?: 'SUCCESS'
        notifyBitbucket()
      }
    }
  }
}
```

Note on credentials

Currently Stash Build Notifier Plugin accepts only raw plaintext credentials as it works over the HTTP REST API of stash.

Maintainers

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[Apache 2.0 License](#)