

# JIRA Plugin

## Plugin Information

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



Older versions of this plugin may not be safe to use. Please review the following warnings before using an older version:

- [CSRF vulnerability and missing permission checks allowed capturing credentials](#)
- [Folder-scoped Jira sites are able to access System-scoped credentials](#)

This plugin integrates [Atlassian JIRA](#) to Jenkins.

## TOC:

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## Using JIRA REST API

This plugin has an optional feature to update JIRA issues with a back pointer to Jenkins build pages. This allows the submitter and watchers to quickly find out which build they need to pick up to get the fix.

### JIRA

JIRA sites	URL	<input type="text" value="http://localhost:8080/jira/"/>	
	Supports Wiki notation	<input type="checkbox"/>	
	Record Scm changes	<input type="checkbox"/>	
	Issue Pattern	<input type="text"/>	
	Update Jira Issues For All Build Results	<input type="checkbox"/>	
	User Name	<input type="text" value="rodmidde"/>	
	Password	<input type="password" value="*****"/>	
	Visible for Group	<input type="text" value="Software Development"/>	

If SOAP API is not supported by JIRA, leave username/password empty

## JIRA Issue links in build Changelog

When you configure your JIRA site in Jenkins, the plugin will automatically hyperlink all matching issue names to JIRA.

If you have additionally provided username/password to JIRA, the hyperlinks will also contain tooltips with the issue summary.



## Build #4 (Sep 30, 2015 11:46:23 PM)



### Changes

1. [PLUG-1 TEST 2015-10-01-01:46:17 \(detail\)](#)



Started by Some issue to be done



**Revision:** 5e537067e5c4b6281a4ffaa779a0a326c246603c

- refs/remotes/origin/master

### Updating JIRA issues with back pointers

If you also want to use this feature, you need to supply a valid user id/password. If you need the comment only to be visible to a certain JIRA group, e.g. *Software Development*, enter the groupname.

Now you also need to configure jobs. I figured you might not always have write access to the JIRA (say you have a Jenkins build for one of the Apache commons project that you depend on), so that's why this is optional.

And the following screen shows how JIRA issue is updated:

[All](#)
[Comments](#)
[Work Log](#)
[History](#)
[Activity](#)
[Transitions](#)

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▼ **Rody Middelkoop** added a comment - 20/Jul/10 10:03 PM - Visible to **Development**  
 Integrated in InSight #10 (See [[http://](#) [job/InSight/10/](#)])  
 ONTW-49 Test Plugin  
[ONTW-49 Test Plugin](#)  
[ONTW-49 Test Plugin](#)

By taking advantages of Jenkins' [fingerprint](#) feature, when your other projects that depend on this project pick up a build with a fix, those build numbers can also be recorded in JIRA.

This is quite handy when a bug is fixed in one of the libraries, yet the submitter wants a fix in a different project. This happens often in my work, where a bug is reported against JAX-WS but the fix is in JAXB.

For curious mind, see [this thread for how this works behind the scene](#).

### Referencing JIRA Release version

To reference JIRA Release versions in your build, you can pull these releases directly from JIRA by adding the JIRA Release Version Parameter.

This can be useful for generating release notes, triggering parameterized build, etc.

This build is parameterized



⋮ **JIRA Release Version Parameter**

Name

Description

Project Key

Show Released Versions

Release Name Pattern

Delete

⋮ **JIRA Release Version Parameter**

Name

Description

Project Key

Show Released Versions

Release Name Pattern

Delete

Add Parameter ▼

## Generating Release Notes

You can also generate release notes to be used during your build. These notes can be retrieved from an environment variable. See the [Maven Project Plugin](#) for the environment variables found within the POM.

### Build Environment



**Generate Release Notes**

Environment Variable	<input type="text" value="JiraReleaseNotes"/>	<a href="#">?</a>
Jira Release	<input type="text" value="\$JiraBuild"/>	<a href="#">?</a>
Jira Project Key	<input type="text" value="PROJECT"/>	<a href="#">?</a>
Additional Issue Filter	<input type="text" value="status in (Resolved, Closed)"/>	<a href="#">?</a>

After your build has run, you can also have the plugin mark a release as resolved. This typically will be a release you specified in your Build Parameters.

**Mark a JIRA Version as Released** [?](#)

Jira Release	<input type="text" value="\$JiraBuild"/>	<a href="#">?</a>
Jira Project Key	<input type="text" value="PROJECT"/>	<a href="#">?</a>

The plugin can also move certain issues matching a JQL query to a new release version.

**Move issues matching JQL to the specified version** [?](#)

Target Jira Release	<input type="text" value="\$JiraNextBuild"/>	<a href="#">?</a>
Jira Project Key	<input type="text" value="PROJECT"/>	<a href="#">?</a>
JQL Query	<input \$jirabuild\"="" (resolved,="" and="" closed)"="" in="" not="" status="" type="text" value="project = PROJECT and fixVersion = \"/>	<a href="#">?</a>

Sample usage of generated Release Notes:

This build is parameterized

**JIRA Release Version Parameter**

Name

Description

Project Key

Show Released Versions

Show Archived Versions

Release Name Pattern

---

**Build Environment**

Generate Release Notes

Environment Variable

Jira Release

Jira Project Key

Additional Issue Filter

**Execute shell**

Command 

```
echo "ReleaseNotes"
echo "====="
echo "$JiraReleaseNotes"
```

[See the list of available environment variables](#)

**JIRA Authentication & Permissions required**

**Note:** As a rule of thumb, **you should be always using a service account** (instead of a personal account) to integrate Jenkins with JIRA. Make sure that the JIRA user used by Jenkins has enough permissions to execute its actions. You can do that via JIRA Permission Helper tool.

- For creating JIRA issues, the user has to be able to Create Issues in the specified project
- If you additionally enter assignee or component field values, make sure that:
  - both of the fields are assigned to the corresponding JIRA Screen
  - the JIRA user is Assignable in the project
  - the Jenkins JIRA user can Assign issues

In Atlassian JIRA Cloud, it's not possible to create a user without an email, so you need to create API token.

Then create a global Jenkins credential, where you put *Atlassian ID email* as username and *API token* as password.

You can check if your API token works correctly by getting a correct JSON issue response with this command (where TEST-1 is an example issue in your project):

```
$ curl -X GET -u <email>:<API token> -H "Content-Type: application/json" https://<YourCloudInstanceName>.atlassian.net/rest/api/latest/issue/TEST-1
```

Also make sure that CAPTCHA is not triggered for your user as this will prevent the API token to work - see [CAPTCHA section in Atlassian REST API documentation](#).

## System properties

Property Name	Functionality Change
<b>-Dhudson.plugins.jira.JiraMailAddressResolver.disabled=true</b>	Use to disable resolving user email from JIRA usernames. Currently there is no option for this in UI.

## Related Resources

- Check also the Marvelution [Jira Hudson Integration](#) which provides a two-way solution Hudson->JIRA and JIRA->Hudson
- [Hudson integration for JIRA](#) adds Hudson information to JIRA.
- The [Subversion JIRA plugin](#) also allows recording of scm changes to JIRA issues (for other SCMs there are similar plugins)
- For JIRA Workflow (Pipeline) plugin compatibility see [COMPATIBILITY.md](#)

## Releases



Version 3.0.11 (2019-11-21)

- [Fix security issue](#)

Version 3.0.10 (2019-09-26)



- dependencies cleanup (remove dependency on org.codehaus.jackson:\*)

Version 3.0.9 (2019-08-21)

T	Key	Summary	Status
	JENKINS-59001	IssueSelectorStep should handle NullPointerException caused by having no configured sites	RESOLVED
	JENKINS-57899	Jira site configuration lost after a restart	RESOLVED





[2 issues](#)

Version 3.0.8 (2019-06-28)

T	Key	Summary	Status
	JENKINS-58244	JIRA Site at folder level doesn't show credentials for non-admin users	RESOLVED
	JENKINS-57664	On Release of a Version receive a Null Pointer exception	CLOSED




[2 issues](#)

Version 3.0.7 (2019-05-01)

T	Key	Summary	Status
	JENKINS-56951	JIRA plugin config incorrectly mixed with properties section	CLOSED
	JENKINS-52906	jira-plugin: FAILED TO EXPORT hudson.plugins.jira.JiraProjectProperty	CLOSED
	JENKINS-33222	Concurrent builds are blocking with jira-plugin	CLOSED
	JENKINS-19195	Add description field to Release JIRA version action	CLOSED




4 issues

#### Version 3.0.6 (2019-03-30)

T	Key	Summary	Status
	JENKINS-56810	Add current date in startDate when creating new version	CLOSED
	JENKINS-56697	Simplify constructor, main URL is the only mandatory field	CLOSED
	JENKINS-50643	Jira Plugin v2.4.2 leaks selectors resulting in Too Many Open Files	CLOSED


3 issues

#### Version 3.0.5 (2018-11-07)

T	Key	Summary	Status
	JENKINS-54469	Unable to set Thread Executor Size when configuring Jira Plugin	CLOSED
	JENKINS-54131	"Failed to parse changelog" in JIRA plugin 3.0.3	CLOSED
	JENKINS-54116	Jenkins Jira Plugin - Unable to add version	CLOSED

3 issues

#### Version 3.0.4 (2018-10-26)

T	Key	Summary	Status
	JENKINS-54144	Job fails as JiraSCMListsener/JiraSite potentially creating Executor with 0 threads	RESOLVED

1 issue

#### Version 3.0.3 (2018-10-16)

T	Key	Summary	Status
	JENKINS-54042	Fix some misconfiguration between connect time and read timeout	RESOLVED
	JENKINS-53808	Binary compatibility broken between JIRA plugin 3.0.2 and Artifactory plugin 2.16.2	RESOLVED
	JENKINS-53642	Configuration for "Add timestamp to JIRA comments" not observed/remembered	RESOLVED

3 issues

#### Version 3.0.2 (2018-09-25)





- [SECURITY-1029 - CSRF vulnerability and missing permission checks in Jira Plugin allowed capturing credentials](#)

T Key Summary Status

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No issues found

#### Version 3.0.1 (2018-08-22)

T	Key	Summary	Status
	JENKINS-54093	Jenkins Jira Plugin sets connection timeout to default = 10 after Jenkins restart	RESOLVED
	JENKINS-53150	Remove Perforce Plugin dependency	CLOSED
	JENKINS-51164	JIRA plugin doesn't honor proxy excludes	CLOSED
	JENKINS-45789	Use Credentials Plugin for JIRA Global Configuration User	RESOLVED

4 issues

#### Version 3.0.0 (2018-05-20)

T	Key	Summary	Status
	JENKINS-51312	Jira plugin core 2.60.1	CLOSED
	JENKINS-51310	Update JIRA plugin to use jackson2-api-plugin	CLOSED

2 issues

#### Version 2.5.2 (2018-05-04)

T	Key	Summary	Status
	JENKINS-49975	BasicHttpCache error with JIRA Plugin 2.5.1	RESOLVED
	JENKINS-49231	jira-plugin 2.5.1 throws exception fails build	CLOSED
	JENKINS-48357	Binary Compatibility between JIRA Plugin and Apache HttpComponents Client 4.x API	CLOSED
	JENKINS-25829	Proxy configuration does not work	RESOLVED

4 issues

#### Version 2.4.2 (2017-08-08)



T	Key	Summary	Status
	JENKINS-45992	Cannot validate JIRA site settings	RESOLVED

1 issue

#### Version 2.4 (2017-08-03)

T	Key	Summary	Status
	JENKINS-44524	Support adding JIRA sites on folder	RESOLVED

1 issue

#### Version 2.3.1 (2017-05-23)

T	Key	Summary	Status
	JENKINS-40571	JiraVersionCreatorBuilder fields missing in post-build form	RESOLVED

1 issue

#### Version 2.3 (2016-12-19)

T	Key	Summary	Status
	JENKINS-39192	Support for updating custom fields	RESOLVED
	JENKINS-39091	Jira plugin fails to log in to Jira site after dependency updates	RESOLVED
	JENKINS-38142	Posibility to specify JIRA site in jenkins pipeline project	RESOLVED
	JENKINS-36726	Plugin comments on subsequent successful builds	RESOLVED
	JENKINS-35998	No issue update if at least one issue does not exists	REOPENED
	JENKINS-34661	Bump LTS to 1.642.3	RESOLVED
	JENKINS-33996	Issue selector step improvement	RESOLVED
	JENKINS-33859	NPE when well-formed Jira Issue doesn't exist	RESOLVED
	JENKINS-32602	jira-plugin missing License	RESOLVED
	JENKINS-32492	Rename all dropdown labels to include JIRA: prefix	RESOLVED
	JENKINS-32491	Rename Workflow Plugin to Pipeline	RESOLVED
	JENKINS-31164	Issue Type must be selectable from fetched dropdown	RESOLVED
	JENKINS-24207	Use Perforce Jobs attached to changelist to track JIRA issues	RESOLVED
	JENKINS-19286	Support multiple fix versions	RESOLVED

14 issues







## Version 2.2.1 (2016-03-26)

T	Key	Summary	Status
	JENKINS-33293	(Jira) Updater throws NullPointerException for labels	RESOLVED
	JENKINS-33211	NullPointerException in JiraVersionParameterValue.java:28	RESOLVED

[2 issues](#)

## Version 2.2 (2016-02-20)










- Split each SCM changes in paragraphs
- support release candidates (RCs) via Maven ComparableVersion
- Console logging improvements in various places
- JiraEnvironmentVariableBuilder support
- Support adding labels to updated issues
- (optionally) add scm entry change date and time to description in JIRA tickets



T	Key	Summary	Status
	JENKINS-32504	Make JiraEnvironmentVariableBuilder compatible with pipeline	RESOLVED
	JENKINS-32276	JIRA Release Version Parameter is truncating list of Jira versions	RESOLVED
	JENKINS-32170	Support CLI parameter submission for JiraIssueParameterDefinition	RESOLVED
	JENKINS-32106	Issue type "UNKNOWN" in Release Notes	RESOLVED
	JENKINS-31268	@Exported returns double XML value for getter	RESOLVED
	JENKINS-31113	Configurable HTTP timeout parameter for JiraRestService	RESOLVED

[6 issues](#)

## Version 2.1 (2015-11-18)

- Bumped Jenkins Core to LTS v. 1.609.3
- Added dependencies: mailer-plugin, matrix-plugin
- Removed dependencies: maven-plugin

T	Key	Summary	Status
	JENKINS-32949	Issue with JIRA plugins in JENKINS	RESOLVED
	JENKINS-31626	Expand JIRA Project Key variable in other build tasks	RESOLVED
	JENKINS-31349	Jira configuration - Validate Settings doesn't validate username/password	RESOLVED
	JENKINS-30829	JIRA Generate Release Notes needs default Environment Variable	RESOLVED
	JENKINS-30305	Allow CLI parameter submission for JiraVersionParameterDefinition	RESOLVED
	JENKINS-26701	Jira Plugin: I need sorting option in "JIRA Release Version Parameter". Is it possible?	RESOLVED
	JENKINS-25828	JIRA version name/value not picked up by remote API	RESOLVED
	JENKINS-17156	If Updater fails to update due to missing permission, it crashes and never flushes the comment queue	RESOLVED
	JENKINS-13436	Message logged by JIRA plugin should mention that the message relates to a Jenkins job.	RESOLVED

	JENKINS-12578	Jira issue parameter value is not exposed via remote API	RESOLVED
	JENKINS-3709	Jira login information should be scrambled in the configuration file	RESOLVED

11 issues

#### Version 2.0.3 (2015-10-26)

T	Key	Summary	Status
	JENKINS-30682	Ticket creation fails when no components in JIRA project exist / JIRA rejects empty component list	RESOLVED


1 issue

#### Version 2.0.2 (2015-09-15)

T	Key	Summary	Status
	JENKINS-30408	JIRA REST API requests lead to 404 (not found)	RESOLVED
	JENKINS-30333	Thread Leak due to use of deprecated JiraSize.createSession	RESOLVED

2 issues

#### Version 2.0.1 (2015-09-10)

T	Key	Summary	Status
	JENKINS-30242	Update to 1.13.2 breaks global configuration submission when jira-plugin installed	CLOSED

1 issue

#### Version 2.0 (2015-09-02)



**Incompatible change:** switch from JIRA RPC SOAP to JIRA REST API communication - the former has been deprecated and dropped since JIRA v.7.0.

T	Key	Summary	Status
	JENKINS-23257	Non well-formed response from JIRA error is hard to diagnose	RESOLVED
	JENKINS-18227	Add support for Atlassian OnDemand JIRA	RESOLVED
<input checked="" data-bbox="138 1711 165 1738" type="checkbox"/>	JENKINS-18166	Add support for JIRA REST API - JIRA SOAP API will be removed in JIRA 7	RESOLVED
	JENKINS-10223	This is a valid URL but it doesn't look like JIRA	RESOLVED

4 issues

#### Version 1.41 (2015-06-10)

T	Key	Summary	Status
	JENKINS-22628	Change comments/description to use <code>String.format()</code> instead.	RESOLVED
	JENKINS-21776	Jenkins jira comment text typo	RESOLVED
	JENKINS-20528	Unable to link to Jira	RESOLVED
	JENKINS-9549	JIRA plugin does not create links to JIRA repository	RESOLVED
	JENKINS-1904	Can't get issue links generated with out user/password	RESOLVED

[5 issues](#)

#### Version 1.39 (Oct 6, 2013)

- Ability only to comment issue without processing of workflow (pull [#38](#))

#### Version 1.38 (Aug 23, 2013)

- Post build step to create new JIRA version (pull [#30](#))

#### Version 1.37 (Jun 21, 2013)

- Error with empty alternative url [issue #18229](#)

#### Version 1.35 (Jul 29, 2012)

- Prevents multiple comments on one issue for matrix builds. (PR [#13](#))

#### Version 1.34 (Jun 11, 2012)

- Fix NPE when Jenkins user does not have access to perform any workflow actions [JENKINS-13998](#)

#### Version 1.33 (Jun 1, 2012)

- Support workflow steps as build actions and/or post-build notifiers [JENKINS-13652](#)

#### Version 1.32 (May 15, 2012)

- Option to show archived versions.

#### Version 1.31 (May 1, 2012)

- Add JiraIssueMigrator - a post build action that will move issues to a new fixVersion based on a JQL query.
- Add Additional filtering of issues to be included in the release notes. Defaults to 'status in (Resolved, Closed)'

#### Version 1.30 (April 25, 2012)

- Add build parameter that providers a drop-down with JIRA release versions
- Add a build wrapper that will assemble release notes based on issues in the release version and store it in an environment variable

```
# Issue Type
- [JIRA-123] Issue summary
- [JIRA-124] Another Issue summary
# Another Issue Type
- [JIRA-321] Yet another issue summary
```

- Add a post-build action that will mark a version as released in JIRA

#### Version 1.29 (August 25, 2011)

- [JENKINS-10817](#) Jira-plugin should add the overall build result to the issue's comment
- Include revisions also for non-subversion plugins; include revisions also if we don't have a repository browser
- Defined a new parameter type for parameterized builds that allow you to select a JIRA ticket (from the result of a JQL query)

#### Version 1.28 (Jun 15, 2011)

- Improve the form validation error check [JENKINS-9625](#)
- Supported security level of the comment [JENKINS-1489](#)

#### Version 1.27 (Feb 27, 2011)

- Updates for Jenkins

#### Version 1.26 (Jan 14, 2011)

- ([JENKINS-2508](#)) : JIRA plugin not updating JIRA when performce plugin used.

#### Version 1.25

- ([JENKINS-6758](#)) : Failed to save system settings with JIRA Plugin.

#### Version 1.24

- ([JENKINS-6462](#)) : Version 1.355 of Hudson and Jira Plugin 1.21: Images in Jira comments are not showing up.

#### Version 1.23

- ([JENKINS-6264](#), [JENKINS-6282](#)) fixed : IndexOutOfBoundsException when no issue pattern is configured (default pattern wasn't used)
- ([JENKINS-6381](#)) fixed : configured patterned wasn't used for changelog annotation. Default pattern was always used for that.
- improved default pattern to not match commit messages with dots in the number part (like 'projectname-1.2.3'). These messages are e.g. used by the Maven release plugin

#### Version 1.22

- ([JENKINS-6043](#)) : Issue pattern can be configurable
- ([JENKINS-6225](#)) : option to update jira issue whatever the build result is (even if failed)

#### Version 1.21

- ([JENKINS-5989](#)) : option to record scm changes in jira.
- ([JENKINS-6007](#)) : Added French localization.

#### Version 1.20

- Added Japanese localization ([JENKINS-5788](#))

#### Version 1.19

- Fix: Prevent carrying forward invalid issue ids forever

#### Version 1.18

- Case insensitive matching of JIRA ids also in the 'recent changes' view ([JENKINS-4132](#))
- fetch missing details for JIRA issues - i.e. completes issue title tooltip in 'recent changes' view ([JENKINS-5252](#))
- prevent build FAILURE if JIRA site is not available ([JENKINS-3046](#))

#### Version 1.17

- Fixed an `ArrayIndexOutOfBoundsException` when JIRA issues contain '\$' in the name.
- Support underscore in project names ([JENKINS-4092](#))
- Support digits in project names ([JENKINS-729](#))
- Case insensitive matching of JIRA ids ([JENKINS-4132](#))
- Don't strip JIRA id from posted comment
- German translation

#### Version 1.15 (2008/08/22)

- Update JIRA if the build is UNSTABLE or better. Previously only updated if the build was stable.
- Include relevant SCM comment in the JIRA comment which should make JIRA ticket history more meaningful.

#### Version 1.13 (2008/08/05)

- Fixed a performance issue in a large enterprise deployment of JIRA ([JENKINS-1703](#))

#### Version 1.12

- A typo in the commit message shouldn't break builds ([JENKINS-1593](#))
- Postpone JIRA updates until a successful build is obtained ([JENKINS-506](#))

#### Version 1.11

- Added more logging and debug flag to examine issues that people are reporting ([report](#))

#### Version 1.10

- Wiki-style notation option wasn't persisted ([JENKINS-977](#))
- Fixed a packaging problem ([JENKINS-1127](#))

#### Version 1.9

- Fixed NPE when failed to talk to JIRA ([JENKINS-1097](#))

#### Version 1.8

- Be more graceful in dealing with URLs ([JENKINS-896](#))
- URLs need to be escaped ([JENKINS-943](#))

#### Version 1.7

- Fixed NPE when username/password is not set ([JENKINS-828](#))

#### Version 1.6

- Relaxed the JIRA project key regexp a little bit to allow numbers ([JENKINS-729](#))

#### Version 1.5

- Issue hyperlinking is now smart enough not to be confused by strings that look like JIRA issue that actually aren't.

#### Version 1.4

- Fixed a bug that prevented tooltips for JIRA issues from being displayed [JENKINS-694](#)