

Release Helper Plugin

Plugin Information

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

This plugin allows the automation of several release tasks regarding Atlassian JIRA, Confluence, InfluxDB and Twitter. It offers the following features:

- update / create JIRA Tickets
- update / create JIRA Releases
- publish release notes and artifacts on GitHub
- publish release notes on Confluence
- publish status updates on Twitter
- publish measurement points in an InfluxDB

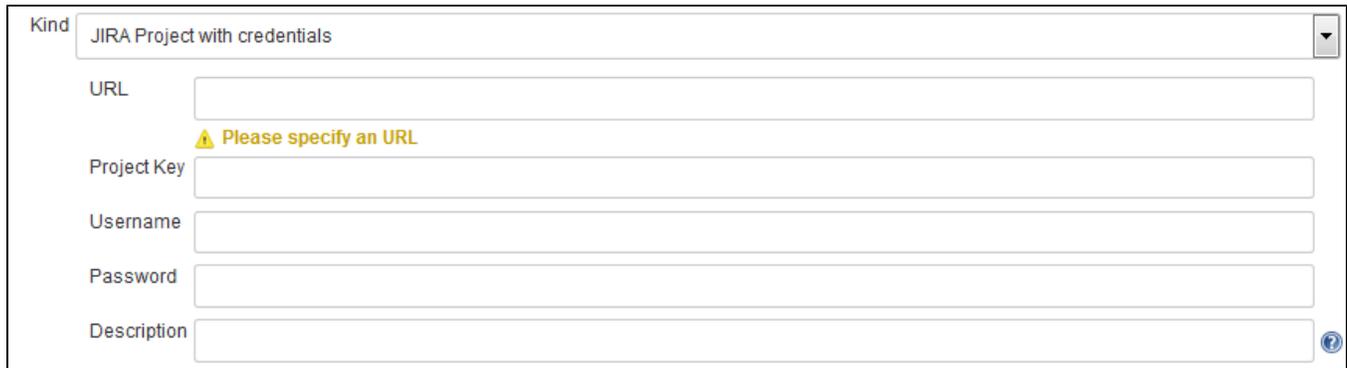
Configuration

Variables

Build Parameters as well as Environment Variables can be accessed from every field using the **`\${variablename}`** syntax. The plugin will then replace this placeholder with the actual contents of the parameter or variable named **variablename**.

Credentials

The plugin adds two new credential types to your Jenkins: one for access a certain JIRA Project, and another one for accessing Confluence. These credentials can be entered using the Jenkins credentials settings, a screenshot of the JIRA credentials dialog is given below. Note that these dialogs do automatically check whether JIRA / Confluence is accessible using the data you entered.



The screenshot shows a Jenkins configuration dialog for a JIRA Project with credentials. The 'Kind' dropdown is set to 'JIRA Project with credentials'. Below it are several input fields: 'URL' (with a warning icon and text 'Please specify an URL'), 'Project Key', 'Username', 'Password', and 'Description'. A help icon is visible in the bottom right corner of the dialog.

Adding and Modifying JIRA Tickets

To add or Modify Tickets, add the **JIRA Ticket Editor** Build-Step to your project. There are two ways to select the Tickets to be modified:

1. Enter a JIRA-Query-Language (JQL) statement selecting your tickets
2. If the Build was triggered by the GitHub Pull Request Builder Plugin, you can give a regular expression to extract the Ticket-Keys from the commit messages of the pull request.

Afterwards, you can select the modifications to apply to the tickets matching these criteria.

Ticket Modifications

Ticket Modification

Select tickets by JQL query

JQL Ticket Filter

Extract ticket keys from the commit messages of the pull request

Add Modification ▾

Add / Remove Field Value

Add Comment

Perform Transition

Set Field Value

Delete

In a similar way, new JIRA Tickets can be published:

New Tickets To Submit

New Ticket

Title

Issue type

Parent JQL Filter

If the ticket type is a sub-task, specify here the JQL Query to select this new tickets parent. If the number of tickets matching this query is not exactly one, the build will fail. If the type is not a sub-task, this field is simply ignored.
(from [Jenkins Release Helper Plugin](#))

Priority

Description

Prevent creating duplicates of this Ticket?

Field Value

Name of the field to set

The field value to set.

Delete

Add Field Value

Delete

Add Template

Adding and Modifying JIRA Releases

Select the **Add / Modify JIRA Project Versions** build-step. Using this buildstep, you can modify or add multiple project versions. If the given version name already exists, it is updated, otherwise a new version for the project is created.

Version Modifications

Version Modification

Version Name

Replace Description

Keep release state

Mark as unreleased

Mark as released

Fail if this version has any ticket assigned matching the following JQL query:

Publishing Release Notes on Confluence

The bundle also offers a build step called **Publish Release Notes on Confluence** which creates a confluence page. This confluence page contains a list of tickets, selected using a JQL Query provided by the user. Below you can see an example configuration, including the page which it creates.

Publish Release Notes on Confluence

JIRA Project

Confluence

Key of the Space

Title of the Parent Page

Title of new Page

JQL Filter

Release Notes for 1.0

Created by Jenkins User on Sep 18, 2015

Bug

- [PLAYG-26] - Crash after few minutes

New Feature

- [PLAYG-25] - Add new Features
- [PLAYG-23] - New User Interface

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No labels 

Publishing Releases on GitHub

This feature is available as the **Publish A Release on GitHub** post-build action. Using this action, you can create a release on GitHub and upload build artifacts to it. The release description works in the same manner as for the confluence release notes page.

Twitter Publisher

This build step offers you the possibility to publish a Twitter status update. The build step checks whether a recent tweet with the same text already exists in order to prevent duplicate tweets.

InfluxDB Publisher

The **InfluxDB Publisher** build step allows you to add measurement points to an InfluxDB instance. The measurement points are given to the plugin in the format specified [here](#).