



# Release Process & Checklist



## Release Candidate & Automated Tests

### ✓ ✗ Local Workstation Checks

- pom.xml version corresponds actual release version e.g. "1.3.0"
- mvn compile and atlas-package did successfully run. Swagger.json is generated and committed.
- all committed and pushed to „master“ branch

### ✓ ✗ Continuous Integration Checks

- Jenkins did successfully trigger build for „master“ branch
- Jenkins did successfully build and package
- Jenkins did successfully execute REST-API Tests
- Jenkins did successfully execute E2E Tests
- Jenkins Job console had no errors or exceptions

### ✓ ✗ Publish Release Candidate & Assets

- Tag release candidate `$> git tag -a customfield-editor-plugin-1.3.0-rc1 -m "customfield-editor-plugin-1.3.0-rc1"`
- Push release candidate `$> git push origin customfield-editor-plugin-1.3.0-rc1`
- Jenkins did successfully trigger build for „\*-rc\*“ tag
- Jenkins did successfully build and package
- Jenkins did successfully execute REST-API Tests
- Jenkins did successfully execute E2E Tests
- Jenkins Job console had no errors or exceptions
- Jenkins published `customfield-editor-plugin-1.3.0-rc*` GitHub Release on private repo via API
- Jenkins published `customfield-editor-plugin-1.3.0.jar` as Release Asset to GitHub Release via API
- Jenkins published `customfield-editor-plugin-1.3.0.obr` as Release Asset to GitHub Release via API
- Jenkins published `customfield-editor-plugin-1.3.0-tests.jar` as Release Asset to GitHub Release via API
- Jenkins published `e2e-testsuite-results.xml` as Release Asset to GitHub Release via API
- Jenkins published `rest-api-testsuite-results.xml` as Release Asset to GitHub Release via API
- Jenkins published `swagger.json` as Release Asset to GitHub Release via API



## Release Documentation

### ✓ ✗ Documentation Pages

- New version of static documentation pages is created
- Build Assets `rest-api-testsuite-results.xml`, `swagger.json` and `e2e-testsuite-results.xml` and are included in static page build
- REST-API-Doc and Testsuite Results pages are ok
- Jenkins builds and published Documentation without errors

### ✓ ✗ Release Notes & REST API Changes

- Releasenotes page created
- Release Notes contain special hints for REST API Changes
- REST API Doc page includes Upgrade Notes and detailed breaking Rest API Changes Hints
- Release Notes contain all Bugixes and new Features with Feature Issue ID
- Release Notes contain version Range for JIRA compatibility and Release Date

## Manual GUI & Installation Tests

### ✓ ✗ Browser and AUI Compatibility

- Tested all JIRA Versions in version Range - no console JavaScript errors, no console AJS errors. AUI Components work.
- Microsoft Internet Explorer 11 works (Windows 8.1)
- Microsoft Edge works (Windows 10)
- Apple Safari works (macOS Sierra)
- Google Chrome works (macOS Sierra)
- Mozilla Firefox works (macOS Sierra)

### ✓ ✗ Admin and Sys-Admin Tests

- admin (=sysadmin) can go to permission editor page and edit all permissions
- nadmin (=normal admin) can go to permission editor page and edit all permissions
- bob should not be able to go to permission editor page

### ✓ ✗ REST Explorer Tests

- all users should be able to go to REST Explorer Page
- admin should be able to trigger requests with his current session
- bob should get 403 Forbidden when triggering requests
- bob visits REST Explorer, enters admin credentials and should see results when triggering requests

### ✓ ✗ Global Settings Tests

- admin should be able to navigate to settings page
- admin should be able to change global settings
- if setting hide non-admin links from non-admin users is set to true, non-admins should only see Field Editor nav item



**Inline Help Links Tests**

- navigate to REST Explorer Page - click help icon - correct documentation page displays in correct version
- navigate to Field Editor List Page - click help icon - correct documentation page displays in correct version
- navigate to Field Editor Edit Page - click help icon - correct documentation page displays in correct version
- navigate to Field Editor Edit Page - click sort - click help icon - correct documentation page displays in correct version
- navigate to Field Editor Edit Page - click default value - click help icon - correct documentation page displays in correct v.
- navigate to Field Editor Edit Page - click childoptions - click help icon - correct documentation page displays in correct v.
- navigate to Permission Editor List Page - click help icon - correct documentation page displays in correct version
- navigate to Permission Editor List Page - click migration help icon - correct documentation page displays in correct version
- navigate to Permission Editor Edit Page - click help icon - correct documentation page displays in correct version
- navigate to Global Settings Page - click help icon - correct documentation page displays in correct version

**Permission Editor Tests**

- admin can go to permission editor page and give bob permissions for field1
- admin can go to permission editor page and give bob permissions for a specific context of field2
- bob should now be able to see all contexts for field1 and only the specific context for field2

**i18n Tests for english an german**

- REST Explorer Page has valid translations for EN and DE
- Permission Editor List Page has valid translations for EN and DE
- Field Editor List Page has valid translations for EN and DE
- Global Settings Page has valid translations for EN and DE

**Field Editor Tests: singleselect**

ACTION	EXPECTED RESULT				
		EN <small>(user cat)</small>	DE <small>(user kater)</small>	EN <small>(user cat)</small>	DE <small>(user kater)</small>
sort options alphabetically	options sorted;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
set default value	default value set; only one selectable;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
edit option	option value editable; option can be disabled;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
delete option	confirm dialog shows; option deleted;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
create new option	option created; cannot create duplicate;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
drag-and-drop move option (order)	order works; after page reload order is persistent;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
duplicate check	edit and create of duplicate values not possible;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## Field Editor Tests: cascadingselect



ACTION	EXPECTED RESULT	EN <small>(user cat)</small>	DE <small>(user kater)</small>
sort options alphabetically	options sorted; no transitive sort of child options;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
sort child options alphabetically	options sorted; no sideeffects on other child options;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
set default value	one child option selectable;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
edit option	option value editable; option can be disabled;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
edit child option	option value editable; option can be disabled;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
delete option	confirm dialog shows; option deleted;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
delete child option	confirm dialog shows; option deleted;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
create new option	option created; cannot create duplicate;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
create new child option	option created; cannot create duplicate;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
drag-and-drop move option (order)	order works; after page reload order is persistent;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
drag-and-drop move child option (order)	order works; after page reload order is persistent;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
duplicate check (child + parent)	edit and create of duplicate values not possible;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

## Field Editor Tests: multiselect



ACTION	EXPECTED RESULT	EN <small>(user cat)</small>	DE <small>(user kater)</small>
sort options alphabetically	options sorted;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
set default value	default value set; one OR more selectable;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
edit option	option value editable; option can be disabled;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
delete option	confirm dialog shows; option deleted;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
create new option	option created; cannot create duplicate;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
drag-and-drop move option (order)	order works; after page reload order is persistent;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
duplicate check	edit and create of duplicate values not possible;	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

## Installation and Smoke Tests in Production like Instances

- Setup dockerized JIRA Data Center with PostgreSQL Database and 3 JIRA nodes
- Install previous version of Plugin and update UPM
- Install current release candidate via uploading customfield-editor-plugin.jar
- Quick test of all pages with browser console open on lookout for JS and Network errors



## ◇ Stage Release

### ✓ ✗ Documentation Pages

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- User Guide, Administrator Guide and Release Notes reflect Release Content
- Click through all pages on the lookout for errors. Click all videos if they play

### ✓ ✗ GitHub Tagging of actual Release

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- Clone Repo and switch to origin of release candidate
- Tag the actual release 

```
$> git tag -a customfield-editor-plugin-1.3.0 -m "customfield-editor-plugin-1.3.0"
```
- Push the release 

```
$> git push origin customfield-editor-plugin-1.3.0
```
- Create a GitHub Release of the tag and link the latest Release Candidate (assets are taken from there; build once!)

## ◇ Publish Release

### ✓ ✗ Atlassian Marketplace

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- Create new Version in Atlassian Marketplace
- Upload JAR of release candidate associated with release
- Select compatible versions (as in release notes)
- Copy Paste Releasenotes from doc. Check links. Shorten a bit.
- Publish release

## ◇ Post Publish Actions

### ✓ ✗ Misc.

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- Insert actual Release Date in Release Notes (if not done already)
- bump version of pom.xml (if not done already)
- Check all public GitHub issues, comment and close them with link to release
- Set /latest/ redirect of static documentation to release version