

How to Match Custom Field Sync Using External Scripts in Jira On-premise

Last Modified on 01/15/2026 3:47 pm EST

This article shows how to synchronize custom fields on Jira On-premise using [External scripts library](#).

Given that you have custom fields of the same types with the same names on both sides.

When syncing custom fields it's important to make sure only the necessary custom fields are being sent over and are attempted to be applied. It is also important to find the proper value given the remote value. Exalate external script `CustomFieldSync.groovy` allows to sync custom fields without worrying of which ones should be synced or types of their values.

Configuration

Let's consider you already have the Connection configured between two JIRA Instances.

Now you need to **configure custom field synchronization**:

- Configuration

To configure custom field synchronization:

1. Create files from the Exalate public repository.

We store external scripts for Jira Server in a public repository. Copy the code from the repositories below and create `.groovy` files. You must keep the file names as below.

- `CustomFieldSync.groovy`

2. Upload the files to the `$JIRA_HOME/scripts` directory.
3. Configure Sync Rules with the scripts provided below:

Add the snippets below to the end of the Sync Rules.

Source side

Outgoing sync

```
CustomFieldSync.send([], replica, issue)
```

Destination side

Incoming sync

```
CustomFieldSync.receive(  
    CustomFieldSync.logOnNoCfFound,  
    CustomFieldSync.logOnCfContextMismatch,  
    CustomFieldSync.defaultOnNoOptionFound,  
    CustomFieldSync.defaultOnNoUserFound,  
    CustomFieldSync.defaultNoVersionFound,  
    CustomFieldSync.defaultCustomFieldTypeMismatch,  
    [:],  
    [],  
    replica,  
    issue,  
    connection,  
    nodeHelper  
Product  
About Us ?
```

[Release History \[?\]\(#\)](#)

[Glossary \[?\]\(#\)](#)

ON THIS PAGE

[API Reference \[?\]\(#\)](#)

[Configuration \[?\]\(#\)](#)

[Security \[?\]\(#\)](#)

[Pricing and Licensing \[?\]\(#\)](#)

Resources

[Subscribe for a weekly Exalate hack \[?\]\(#\)](#)

[Academy \[?\]\(#\)](#)

[Blog \[?\]\(#\)](#)

[YouTube Channel \[?\]\(#\)](#)

[Ebooks \[?\]\(#\)](#)

Still need help?

[Join our Community \[?\]\(#\)](#)

[Visit our Service Desk \[?\]\(#\)](#)

[Find a Partner \[?\]\(#\)](#)