

How to Sync Date and DateTime Custom Fields in Jira On-premise

Last Modified on 02/11/2026 9:29 am EST

This article shows how to synchronize Date/DateTime custom fields.

Jira Cloud and Jira on-premise use different data types to store the value of the Date custom field. If you're exchanging the custom field value between different issue-tracking platforms you need to transform the value into the proper type on the receiving side. Below you can find an example of a simple date custom field synchronization that works for syncing custom fields.

Source Side

Jira Outgoing sync(Data Filter)

To send the data use the code below:

```
replica.customFields."My Date CF" = issue.customFields."My Date CF"
```

Destination Side

Jira Incoming sync(Create/Change processors)

```
issue.customFields."My Date CF".value = replica.customFields."My Date CF".value
```

Note: If you synchronize the date custom field between Jira Cloud and Jira on-premise you need to transform the formatted date to the proper value type.

The example below shows how you can transform the received value to the timeStamp format on Jira on-premise.

Jira On-premise

Incoming sync(Create/Change processors)

```
// ===== Date CF =====
import java.text.SimpleDateFormat;
import java.text.DateFormat;

def dateCustomFieldValue(replicaCustomField) {
  def datePattern = "yyyy-MM-dd'T'HH:mm:ss.SSSZ"; // define the desired date/time format
  String dateString = replicaCustomField.value;
  if (dateString) {
    dateString = dateString.replaceAll("\\'", "").trim();
    DateFormat formatter = new SimpleDateFormat(datePattern);
    date = formatter.parse(dateString);
    return new java.sql.Timestamp(date.time);
  }
}
}Product
About Us
Release History
issue.customFields."My Date CF".value = dateCustomFieldValue(replica.customFields."My Date CF");
// ===== Date CF =====
```

[Glossary](#)

[API Reference](#)

[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](#)