

# Sync between Select List (single choice) and text custom field

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This article shows how to synchronize data between a ***select list*** and a ***text custom field***.

Exalate allows syncing any kind of custom field type combination.

## Select-list to Text Custom Field

For example, you have a custom field called **Sports List** (select list Single Choice) and you want to sync it to the custom field **Sport Type** (text field).

### Sending side

#### Outgoing sync

Send the select-list value to the remote side.

```
1 replica.customFields."Sports List" = issue.customFields."Sports List"
```

### Receiving side

#### Incoming sync

**replica.customFields."Sports List".value** is an object of type option. The option contains a value, which is the string of the option. The **issue.customFields."Sport Type".value** is a text type custom field, which includes string value.

```
1 issue.customFields."Sport Type".value = replica.customFields."Sports List".value.value
```

## Text Custom Field to Select-list

The scripts below help to send the text custom field value to the destination side and add a new option to the existing select list field if there is no such option yet.

### Sending side

#### Outgoing sync

```

1 // SETTINGS
2 final def textFieldCfName = "Text Custom Field Name"
3 // END SETTINGS
4
5 def localOptionValue = issue.customFields[textFieldCfName]?.value
6 if (localOptionValue == null) {
7     throw new com.exalate.api.exception.IssueTrackerException(
8         "Can not synchronize
9         `"+textFieldCfName+"`
10        to destination jira since there is no value set for issue
11        `"+ issueKey.URN + "`
12        (" +issueKey.id+"
13    )"
14 )
15 }
16 replica.customKeys."Text field Value" = localOptionValue

```

## Receiving side

### Incoming sync

```

1 // SETTINGS
2 final def nygSelectListCfName = "Select List Custom Field Name"
3 // END SETTINGS
4
5
6 import com.atlassian.jira.component.ComponentAccessor
7 import com.atlassian.jira.issue.context.IssueContext
8
9 def cfm = ComponentAccessor.getCustomFieldManager()
10 def om = ComponentAccessor.getOptionsManager()
11
12 def remoteOptionValue = replica.customKeys."Text field Value" as String
13 def cf = cfm.getCustomFieldObjectsByName(nygSelectListCfName).find()
14 def fCfg = cf.getRelevantConfig(IssueContext.GLOBAL)
15 def localOptions = om.getOptions(fCfg)
16 if (!localOptions.any { o -> o.value == remoteOptionValue }) {
17     //FieldConfig fieldConfig, Long parentOptionId, Long sequence, String value
18     om.createOption(fCfg, null, 0L, remoteOptionValue)
19 }

```

In case an issue is not synchronized and you want to trigger synchronization by updating the issue filed, you need to create a [JQL trigger](#).

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