

# How to Sync HP ALM/QC Custom Fields

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**Warning:** We are moving Exalate for HP QC/ALM into basic maintenance mode. This transition period will last until November 2024, after which support will be halted completely. For more information, please see <https://exalate.com/blog/end-of-support-hp/>.

You can synchronize custom fields between HP QC/ALM and JIRA Instances. In HP QC/ALM custom fields are called user fields. You should use the **Physical name** of the user field in the sync rules. To get the physical name of a field in HP ALM use this URL:

```
[your HP ALM instance URL]/qcbn/rest/domains/DEFAULT/projects/GREY/customization/entities/defect/fields
```

Available types of user fields in HP QC/ALM defect	Available types of custom fields in HP QC/ALM test cases
<ul style="list-style-type: none"><li>• String</li><li>• Multi-line text field</li><li>• Number field</li><li>• Date</li><li>• User List</li><li>• Lookup list (multiple values support)</li></ul>	<ul style="list-style-type: none"><li>• String</li><li>• Number field</li><li>• Date</li><li>• User List</li><li>• Lookup list (multiple values support)</li></ul>

There are always two main configuration points: a source side that sends data and a destination side that receives data.

## Source Side

The sending side needs to add the custom field to the replica in the **Outgoing sync**.

## HP QC/ALM

### Outgoing sync

#### Defect custom field

```
//BG_USER_02 is a defect custom field name  
replica.customFields."BG_USER_02" = defect.customFields."BG_USER_02"
```

#### Test case custom field

```
//TS_USER_05 is a test case custom field name  
replica.customFields."TS_USER_05" = testCase.customFields."TS_USER_05"
```

## JIRA

Add the code to the **Outgoing sync** to send the issue custom field value to the HP QC/ALM Instance.

```
replica.customFields."custom field name" = issue.customFields."custom field name"
```

**Note:** You must use the correct custom field name to get the defect/testCase custom field value.

## Destination Side

### Incoming sync

## JIRA

For simple field types like text custom field, you can just assign the value of the received custom field to the local one. The **replica.customFields** is set by the remote Instance.

The **issue.customFields** is the custom field in Jira. This is an example of how to assign the value of the received HP QC/ALM custom field to the local JIRA custom field.

```
issue.customFields."Local Custom field name".value = replica.customFields."BG_USER_02"
```

### Multi-select custom field type

Set the values received from the HP QC/ALM multi-select custom field to the Jira multi-select custom field options.

```
issue.customFields."Local Custom field name".value = replica.customFields."BG_USER_04"?.value?.collect { opt -> opt?.value }
```

## HP QC/ALM

The **replica.customFields** is set by the Jira Instance. The **defect.customFields** and **testCase.CustomFields** are the custom fields in HP QC/ALM defects and test cases. This is an example of how to assign the value of the received Jira custom field to the local HP QC/ALM custom field.

### Defect

```
//add value from the jira custom field into the defect custom field with name BG_USER_02  
defect.customFields."BG_USER_02".value = replica.customFields."jira custom field name".value
```

### Test case




```
//add value from the jira custom field into the test case custom field with name TS_USER_05  
testCase.customFields."TS_USER_05".value = replica.customFields."jira custom field name".value
```

Product

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
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