

Exercise 6 - Export Charts with Word Templates

In this exercise, you will use a Word template (DOCX) to export data into charts within the document.

Let's start by creating a cover page as previously learned and inserting a Table of Contents.

This document will iterate multiple issues (Bulk export), exporting some basic information and a chart based on Number Type Custom Fields for each issue.

While iterating all issues, we'll update some template variables (with set function), which will be used to export a final chart at the end of the document.

Insert a title "Issues" with style Heading 1 (to be used with TOC) and below it add the following set functions:

```
$(set(issueTypeBug,0))
$(set(issueTypeStory,0))
$(set(issueTypeSubTestExec,0))
$(set(issueTypeEpic,0))
$(set(statusOpen,0))
$(set(statusResolved,0))
$(set(statusClosed,0))
$(set(statusInProgress,0))
```

Those variables will be used to populate the final chart.

Start iterating issues with **&{for issues}**.

Export some basic information like the issue Key and Summary.

Insert a chart.

Currently, Microsoft Word Charts aren't supported by Xporter for Jira. To export charts on a Microsoft Word template, it's needed to used OLE (Object Linking and Embedding) Microsoft Excel Chart.

To insert the Microsoft Excel Chart:

1. Insert
2. Object
3. Microsoft Excel Chart

Double-click the newly inserted chart to edit it.

We'll populate the chart with three values: AttachmentsCount, CommentsCount and LinksCount.

Right click the chart and choose "Select Data". You'll be transferred to the sheet with the data. Select the Range from **A1** to **D2**.

Delete all other data and change the selected range as follows:

	A	B	C	D
1		AttachmentsCount	CommentsCount	LinksCount
2	\$(Key)	\$(AttachmentsCount)	\$(CommentsCount)	\$(LinksCount)

Now, we'll need to update the previously defined variables. We'll increment each issue type and status depending on the issue context being exported.

```

#{if (%{'${IssueTypeName}' == 'Bug'})}
${set(issueTypeBug,%{'${issueTypeBug}' + 1})}
#{end}

#{if (%{'${IssueTypeName}' == 'Story'})}
${set(issueTypeStory,%{'${issueTypeStory}' + 1})}
#{end}

#{if (%{'${IssueTypeName}' == 'Sub Test Execution'})}
${set(issueTypeSubTestExec,%{'${issueTypeSubTestExec}' + 1})}
#{end}

#{if (%{'${IssueTypeName}' == 'Epic'})}
${set(issueTypeEpic,%{'${issueTypeEpic}' + 1})}
#{end}

#{if (%{'${Status}' == 'Open'})}
${set(statusOpen,%{'${statusOpen}' + 1})}
#{end}

#{if (%{'${Status}' == 'In Progress'})}
${set(statusInProgress,%{'${statusInProgress}' + 1})}
#{end}

#{if (%{'${Status}' == 'Resolved'})}
${set(statusResolved,%{'${statusResolved}' + 1})}
#{end}

#{if (%{'${Status}' == 'Closed'})}
${set(statusClosed,%{'${statusClosed}' + 1})}
#{end}

```

Close the issues iteration with **&{end}**.

Being almost finished, let's add two final charts with the totals of issue types and issue statuses.

Add a title "Totals" with style Heading 1. Insert two charts as before, with the following data:

	A	B	C	D	E
1		Bug	Story	Sub Test Execution	Epic
2	Issue Types	\${issueTypeBug}	\${issueTypeStory}	\${issueTypeSubTestExec}	\${issueTypeEpic}

	A	B	C	D	E
1		Open	In Progress	Resolved	Closed
2	Issue Statuses	\${statusOpen}	\${statusInProgress}	\${statusResolved}	\${statusClosed}

And we're done.

Below there is a sample of how the mappings will be displayed in a Word template:

```

$(set(issueTypeBug,0))¶
$(set(issueTypeStory,0))¶
$(set(issueTypeSubTestExec,0))¶
$(set(issueTypeEpic,0))¶
$(set(statusOpen,0))¶
$(set(statusResolved,0))¶
$(set(statusClosed,0))¶
$(set(statusInProgress,0))¶

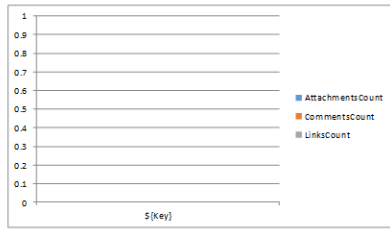
```

• Issues¶

```
&(for-issues)¶
```

• \$(Key)¶

```
Summary:$(Summary)¶
```



```

#(if(%{'$(IssueTypeName)'=='Bug'})¶
$(set(issueTypeBug,%{$(IssueTypeBug)+1}))¶
#(end)¶
#(if(%{'$(IssueTypeName)'=='Story'})¶
$(set(issueTypeStory,%{$(IssueTypeStory)+1}))¶
#(end)¶
#(if(%{'$(IssueTypeName)'=='Sub-Test-Execution'})¶
$(set(issueTypeSubTestExec,%{$(IssueTypeSubTestExec)+1}))¶
#(end)¶

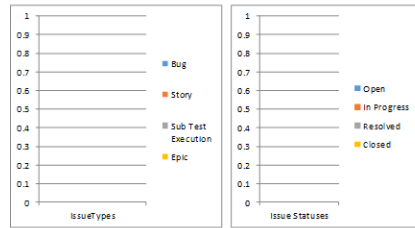
```

```

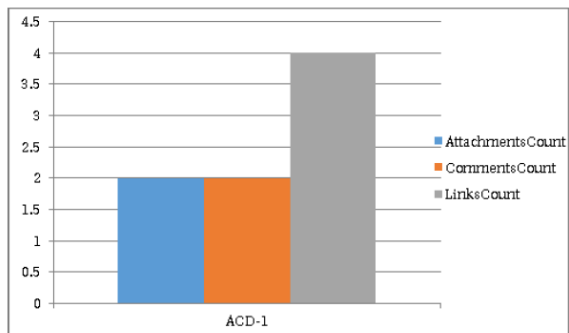
#(if(%{'$(IssueTypeName)'=='Epic'})¶
$(set(issueTypeEpic,%{$(IssueTypeEpic)+1}))¶
#(end)¶
#(if(%{'$(Status)'=='Open'})¶
$(set(statusOpen,%{$(statusOpen)+1}))¶
#(end)¶
#(if(%{'$(Status)'=='In-Progress'})¶
$(set(statusInProgress,%{$(statusInProgress)+1}))¶
#(end)¶
#(if(%{'$(Status)'=='Resolved'})¶
$(set(statusResolved,%{$(statusResolved)+1}))¶
#(end)¶
#(if(%{'$(Status)'=='Closed'})¶
$(set(statusClosed,%{$(statusClosed)+1}))¶
#(end)¶
&(end)¶

```

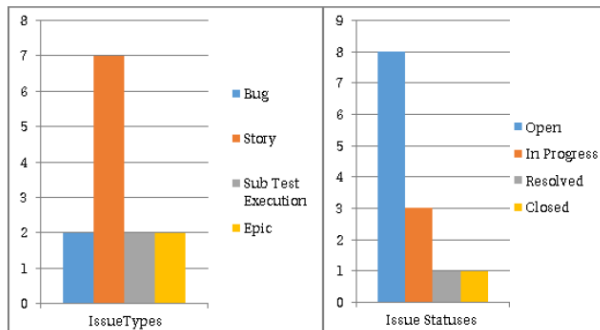
• Totals¶



Below there is a sample of how the generated file will be populated:



Totals



You can find more examples of charts in MS Word templates in [here](#).



If you like this exercise, please share your opinion on the page by just leaving a comment or a 👍. Your opinion is very important to us.

Thank you in advance.

Enjoy our product. 😊

Here's the **Exercise 6** related files:

File	Description
Exercise6Template	Exercise 6 Sample Template file
Exercise6Generated	Exercise 6 Sample generated file