

Exercise 2 - How to Populate the Time Tracking with Some Issues with Pivot Tables

In this exercise, you'll learn how to populate the Issue time tracking from some issues with pivot tables on a Xporter generated file.

This template is going to have two sheets.

Let's create the first sheet. If you want to display the header you must create the Header using a table with 6 columns and 1 row:

Issue Type	Key	Summary	Estimated (Hours)	Remaining (Hours)	Logged (Hours)
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Since all the table contents below the Header are dynamic, firstly we need to create a single row Table to be the Header, and below add the **&{for issues...}** statement, so the Header is printed only one time.

On this case is a template on Excel, so don't forget the note below.



Using an XLSX template, please take note that to define an iteration for multiple columns, you need to merge a row of columns and define the **&{for issues...}** inside that merged cells. The same thing should be made to define the **&{end}** of the same iteration. All content between the **&{for issues...}** definition and the **&{end}** will be duplicated for each iteration.

With that done, you create another row table where the Issue Comments will be populated:

IssueTypeName	Key	Summary	%{Number("\$OriginalEstimate")/3600}	%{Number("\$RemainingEstimate")/3600}	%{Number("\$TimeSpent")/3600}
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Now close the statement using the mapping **&{end}**.

Finally, we need to give filters to the headers of the table in order for the table to work with the pivot table. To do this, Select the first cell of the header ("Issue Type"), find the "Sort & Filter" options, and select "Filter".

Well, the first sheet is complete, extracting all the data we need. Let's go to the second sheet.

We are going to create a pivot table.



A pivot table allows you to extract the significance from a large, detailed dataset.

1. To create a pivot table click on the first cell inside the header ("Issue Type").
2. On the *Insert tab*, click **PivotTable**
3. A Dialog box appears. Excel automatically selects the data for you. The default location for a new pivot table is the New Worksheet.
4. Click **ok**. The second sheet was created.

Now, The PivotTable fields list appears.

1. The Field *Key* we are going to drag on the **Rows**.
2. *Estimated (Hours)* we are going to drag on the **Values**.
3. The *Remaining (Hours)* and *Logged (Hours)* are also going to **Values**.
4. For each *Estimated (Hours)*, *Remaining (Hours)* and *Logged (Hours)* on the **Values**, we are going to set up a configuration:
 - a. Click on **Value Field Settings**.
 - b. In Choose the type of calculation you want to use. We are going to use the **Sum**.
 - c. Click **ok**.
5. **Right-click** the pivot table and select **PivotTable Options**
6. Select tab **Data**
7. Check **Refresh data when opening the file**.

The configuration of a pivot table is done but you are going to add a chart.

1. Select all pivot table.
2. On the *Insert tab*, click **charts**. You can pick any chart. In this case, I am going to choose the **2-D Column**.
3. The chart appears on the sheet.




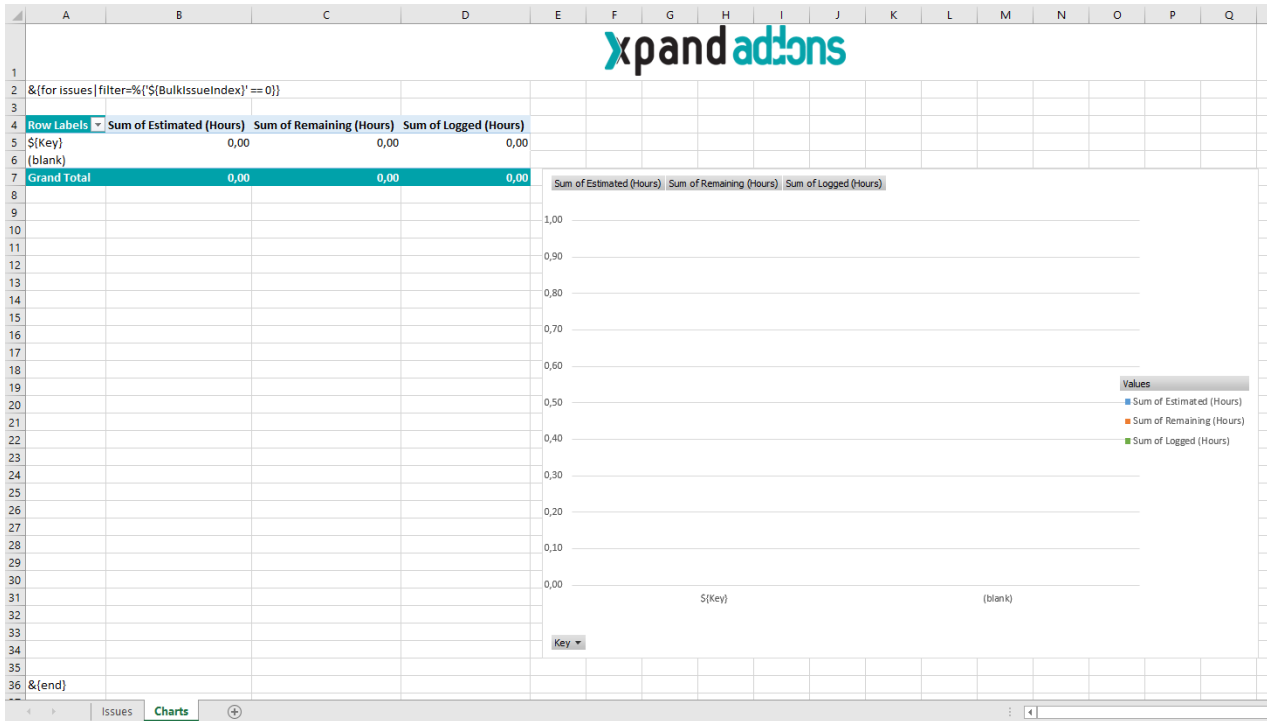
To display only once both table and chart, you can filter the issues iteration with:

&{for issues|filter=%{"\$BulkIssueIndex"} == 0}}


You'll have to close the code above with **&{end}** on the cell below the chart.

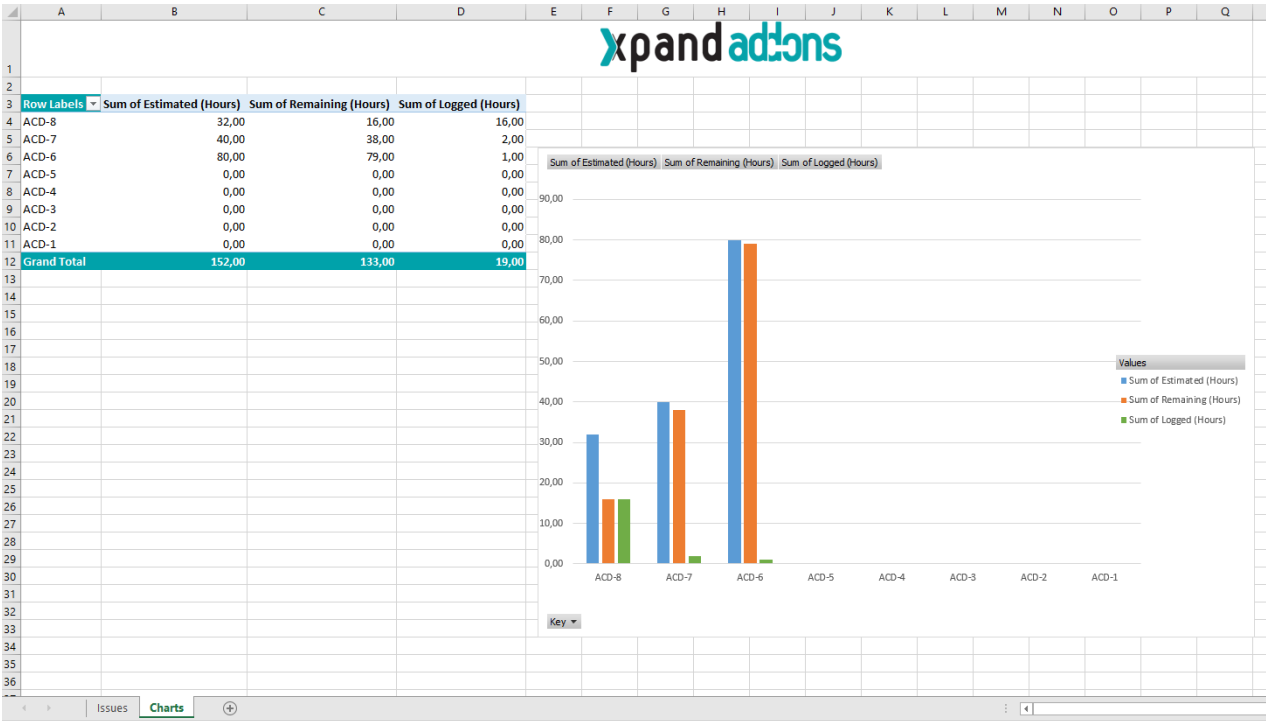
Below there is a sample of how the mappings will be displayed in an Excel template:

	A	B	C	D	E	F
1						
2	Issue Type	Key	Summary	Estimated (Hours)	Remaining (Hours)	Logged (Hours)
3	&{for issues}					
4	IssueTypeName	Key	Summary	%{Number("\${OriginalEstimate}"/3600)}	%{Number("\${RemainingEstimate}"/3600)}	%{Number("\${TimeSpent}"/3600)}
5	&{end}					
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Below there is a sample of how the generated file will be populated:

	A	B	C	D	E	F	G	H	I	J
1										
2	Issue Type	Key	Summary	Estimated (Hours)	Remaining (Hours)	Logged (Hours)				
3	Sub Test Execution	ACD-8	Fuga Mollit debiti	32,00	16,00	16,00				
4	Sub Test Execution	ACD-7	Molestias nesciur	40,00	38,00	2,00				
5	Story	ACD-6	Commodi autem	80,00	79,00	1,00				
6	Story	ACD-5	Numquam Nam r	0,00	0,00	0,00				
7	Story	ACD-4	Blanditiis ea nost	0,00	0,00	0,00				
8	Bug	ACD-3	Laborum Rerum r	0,00	0,00	0,00				
9	Story	ACD-2	Pariatur Explicab	0,00	0,00	0,00				
10	Bug	ACD-1	Aut quis autem fa	0,00	0,00	0,00				
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	<div>Issues Charts +</div>									





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 2** related files:

File	Description
Exercise2Template	Exercise 2 Sample Template file
Exercise2Generated	Exercise 2 Sample generated file