

# sumUp calculation rules

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**Calculation rules** are the **entry point** for every calculation within sumUp.

They define which values should be calculated in which way (**sum**, **average**) and how they should be displayed.

## Why do I need calculation rules?

Calculation rules are used within sumUp to tell the app which values should be calculated. In addition, you can set the calculation method and several formatting options.

## Create a new rule

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To create a new calculation rule head over to **Manage apps** **sumUp calculation rules**:

The screenshot shows the Decadis Apps Administration interface. The top navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Boards', 'xPort', 'Charts', and a 'Create' button. The left sidebar lists various administration options, with 'Calculation rules' highlighted under the 'SUMUP' section. The main content area displays a table of calculation rules.

Custom name	Field	Method	Output Format	Input Format	Primary
Original Estimate	Original Estimate	Summarize Values	2 minutes	Default	✓
Remaining Estimate	Remaining Estimate	Summarize Values	2 minutes	Default	✓
Story Points	Story Points	Summarize Values	123.40	Default	✓
Time Spent	Time Spent	Summarize Values	2 minutes	Default	✓

2

Hit the **"Add new rule"** button in the upper right corner to open the following pop-up menu:

Add new rule

Field

Story Points

Mode

Sum up values

Rule name

Σ Story Points

Σ ∅

Output format

☒ Default

☐ Velocity template

Decimal places

2

Prefix

Suffix

SP

Ignore index

☐

The rule will query the values on runtime instead of using the Jira Lucene index. Useful for scripted or other dynamic fields. This may cause performance issues. [Read more.](#)

Input format

Default

Primary rule

☒

If **multiple** rules have been configured for a field, the **primary** rule will be executed whenever this field is added as a column in a search or filter.

Save

Cancel

Your browser does not support the HTML5 video element

## Configuration options

### Mode

The field values can either be

- **summed up** to calculate a **total** or
- the **average** can be calculated.

### Rule name

Enter a **custom name** for the rule.

If nothing is set, the field name will be used as rule name.

In addition, **icons for the summation or average** can be used in the name for easier identification.

Edit Rule

Field

Story Points

Mode

Sum up values

Rule name

Σ Story Points

Σ ∅

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## Output format

The output can be formatted using a **custom velocity template**.

[See here how it works!](#)

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## Decimal places

Select the **number of decimal places** to be displayed.

The values will then be **rounded accordingly**.

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## Prefix & suffix

Set a **custom prefix** or **suffix** to give the user a hint what you are calculating there.

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## Ignore index

sumUp will **by default**, takes the field values to be calculated from the **Lucene index**.

When the **checkbox is clicked**, the field's value will be **calculated at runtime** instead.

Activating this setting is useful for **scripted or other dynamic fields** since the index might contain outdated values at this point. Activating this option will guarantee to always retrieve correct values for those fields.

However, checking this option **may cause performance issues** because the values have to be re-calculated each time and won't get grabbed from the index.

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## Input format

When e.g. trying to calculate values from a text field that **also contains other data**, you can use **another Input format** to specify, **how the field value should be processed** by sumUp.

When **Default** is selected, sumUp will just take the field value and tries to calculate it.

When **Regular Expression** is selected, you can enter a custom regular expression to specify how the field value should be processed:

Field value	Regular Expression	Evaluated data
Words: 79	<code>\d+</code>	79
1000 \$	<code>\d+(\.\d+)?</code>	1000
The average speed was -1.79e5 m/h.	<code>[ -+]?[0-9]*\.[0-9]+([eE][ -+]?[0-9]+)?</code>	-179000

When **Local number format** is selected, you can specify a locale format in which the value should be processed:

Field value	Locale	Evaluated data
1.000,5	de	1000.5
1,000.5	en	1000.5

## Primary

It is possible to create **more than just one rule per field**.

By hitting the Primary checkbox the current rule will be used for the calculation. The other rule will then be **disabled but not deleted**. This way it can be **switched between several different rules**.

Setting a rule as primary rule is a **global setting** for sumUp. After changing the primary rule, this rule will be used everywhere in sumUp (like Gadgets, sum rows or sumUp custom fields).

If you still have questions, feel free to refer to our [support](#) team.