Progress Based on Time Tracking

When Issue Progress is based on Time Tracking within a Progress column, the progress is calculated based on the issue's Resolution field, time tracking data and the progress of its sub-issues.

Calculating Progress for an Issue Without Sub-Issues

If the issue does not have sub-issues:

- If the issue's Resolution field is not empty, and **Apply Resolution** is turned on, the progress is 100%.
- Otherwise, if the issue has time tracking information, the progress is calculated proportionally to this issue completion%: `(Time Spent) / (Time Spent + Remaining Estimate)`
- Otherwise, the progress is 0%.

Calculating Progress for an Issue with Sub-Issues

If the issue has sub-issues:

- If the issue's Resolution field is not empty, and **Apply Resolution** is turned on, the progress is 100% - regardless of the sub-issues' progress.
- If the issue and its sub-issues do not have estimates or work logged (or if time tracking is turned off), the progress is calculated as the average of the sub-issues' progresses.
- If time tracking is used and all issues have an estimate (either original estimate or remaining estimate), the estimates and total work logged are summed up and the progress is calculated as the total completion %: `(Total Time Spent) / (Total Time Spent + Total Remaining Estimate)`
  - If a sub-issue does not have time tracking information, it is counted in as an average sub-issue, based on the mean total time (time spent + remaining estimate) of its siblings.

> ✓ If the issue has both its own time tracking information and sub-issues with progress, and if **Ignore Parent Issue Progress** is turned off, the issue's own progress value is counted as if it was the progress of another sub-issue.

Examples

1. Without Time Estimates

Summary	Progress
▼ 🔖 Top Issue	▰▰▱▱▱
🔖 Sub-issue 1	▱▱▱▱▱
▼ 🔖 Sub-issue 2	▰▰▰▱▱
🔖 Sub-sub-issue 2.1	▰▰▰▰▰
🔖 Sub-sub-issue 2.2	▱▱▱▱▱

Issue	Explanation	Progress
Sub-sub-issue 2.1	The issue is resolved, so it is complete.	100%
Sub-issue 2	It has two sub-issues with 100% and 0% progress; the total progress is the average of the two.	50%
Top issue	It has two Sub-issues: sub-issue 1 is 0% done and Sub-issue 2 is 50% done; the mean value is 25%.	25%

2. With Time Tracking Information

Summary	Progress	Time Spent	Remaining Estimate
▼ 🔖 Top issue	▰▰▰▱▱		
🔖 Sub-issue 1	▰▰▰▱▱	3d	1d
🔖 Sub-issue 2	▱▱▱▱▱		1d

Issue	Explanation	Progress
Sub-issue 1	It has 3 days of work logged with 1 day remaining, so its progress is `time spent / total time = 3 / (3 + 1)`.	75%
Sub-issue 2	This issue does not have any work logged, is not resolved and does not have sub-issues.	0%
Top issue	The top issue has a total time spent of 3 days (work logged on Sub-issue 1) and 2 total days remaining (estimates on Sub-issue 1 and Sub-issue 2), so its progress `3 / (3 + 2)`.	60%

3. More Complex Example

Summary	Progress	Time Spent	Remaining Estimate
▼ 🔖 Top Issue	▰▰▱▱▱		
🔖 Sub-issue 1	▰▰▰▱▱	3d	1d
▼ 🔖 Sub-issue 2	▰▰▱▱▱		1d
🔖 Sub-sub-issue 2.1	▰▰▰▱▱	2d	1d
🔖 Sub-sub-issue 2.2	▰▰▰▰▰	1d	0m
🔖 Sub-issue 3	▱▱▱▱▱		

Issue	Explanation	Progress

Sub-sub-issue 2.1	It has 2 days of work logged with 1 day remaining, so its progress is `2 / (2 + 1)`.	66%
Sub-sub-issue 2.2	This issue has 1 day of work logged and no work remaining - so even though it is not resolved, it's considered completed.	100%
Sub-issue 2	It has total time spent of 3 days, and total remaining estimate of 2 days (the remaining time from Sub-sub-issue 2.1 and its own 1 day, which is considered additional work). The progress is `3 / (3 + 2)`.	60%
Sub-issue 1	This one has 3 days of work logged and 1 day remaining, so its progress is `3 / (3 + 1)`.	75%
Top issue	The obvious total time spent is 6 days with a total remaining estimate of 3 days (the count from all sub-issues on all levels). But there's also *Sub-issue 3*, which does not have any estimates or work logged, so it gets estimated based on the average of its siblings - *Sub-issue 1* and *Sub-issue 2*. The progress of the top issue is calculated as follows: • The average between the total time of *Sub-issue 1* (3 + 1 = 4 days) and the total time of *Sub-issue 2* (3 + 2 = 5 days) is 4.5 days. So *sub-issue 3* is treated as if it has a total time of 4.5 days. • Since Sub-Issue 3 has 0% progress (because there is no time logged), it is also treated as if it has a remaining estimate of 4.5 days. • Top Issue is then calculated as having a total time spent of 6 days and total remaining time of 7.5 days, so its progress is calculated as `6 / (6 + 7.5)`.	44%