

Redmine - Defect #35454

Project lines on Gantt (nearly) all start on the same single date

2021-06-24 14:22 - Markus Boremski

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Gantt	Estimated time:	0.00 hour
Target version:		Affected version:	4.1.2
Resolution:	Invalid		
Description			
Could anyone tell me what exactly causes the start-date of a project-bar in gantt? We have about 800 projects and many of them seem to start on 01-oct-2019 (2019-10-01): 2021-06-24 12_57_33-Gantt-Diagramm.png This mostly happens for sub-projects, but not in general. If I take a closer look on such a project and display everything, one can see that this project did not start on 01-oct-2019: 2021-06-24 13_05_01-Gantt-Diagramm.png			
Related issues:			
Related to Redmine - Feature #15180: Start date on versions			New
Related to Redmine - Feature #35761: Display Project#start_date and Project#d...			New
Related to Redmine - Feature #35762: Add an optional, explicit Project#start_...			New

History

#1 - 2021-06-30 11:42 - Markus Boremski

Maybe one can fix the wrong Images in my description?
Someone can give me some informations on what defines the start-date?

Thanks in advance.

#2 - 2021-07-02 14:28 - Bernhard Rohloff

- Description updated

Markus Boremski wrote:

Maybe one can fix the wrong Images in my description?

done ...

Someone can give me some informations on what defines the start-date?

To my knowledge and experience the start date of a project ist the first planned start-date of an issue in that project.
Maybe you can make visible what's causing the start dates if you set the filter of the issue state to "any".

#3 - 2021-07-02 16:26 - Markus Boremski

Maybe one can fix the wrong Images in my description?

done ...

Thanks.. :)

Maybe you can make visible what's causing the start dates if you set the filter of the issue state to "any".

That's what we see in my screenshots. There is no filter set.
To be sure I tried so set Filter to "all".
No change: An empty project from 2019-Oct-01 to our first task.

#4 - 2021-07-21 16:58 - Markus Boremski

Hey,
does anyone see this too?
Can someone help me to figure out what's going wrong?

#5 - 2021-08-14 11:38 - Mischa The Evil

- Status changed from New to Needs feedback
- Assignee set to Markus Boremski

Bernhard Rohloff wrote:

Markus Boremski wrote:

Someone can give me some information on what defines the start-date?

To my knowledge and experience the start date of a project is the first planned start-date of an issue in that project.

That's actually just one of the three factors of a project that contribute to the determination of the project's start date (see <source:/trunk/app/models/project.rb@21173#L696>). To list them all:

- `issues.minimum('start_date')`
- `shared_versions.minimum('effective_date')`
- `Issue.fixed_version(shared_versions).minimum('start_date')`

This logic also holds true for the project's due date (see <source:/trunk/app/models/project.rb@21173#L706>).

[Markus Schlichting](#): You most-likely have either:

- A shared version with an implicit start date (given by an issue with a start date and which is targeted against that shared version) active within the project tree that contains this project start date. Note that this particular shared version can also be outside the project tree that contains this project start date as versions can also be shared with all projects.
- A shared version with an explicit due date active within the project tree that contains this project start date. Note that this particular shared version can also be outside the project tree that contains this project start date as versions can also be shared with all projects.

I agree that this could be hard to trace-back to the version that is the culprit. If you have access to and are familiar with the Rails console you can run a query to find the particular version, like:

```
Version.where(start_date: "2019-10-01").pluck(:id)
```

or

```
Version.where(effective_date: "2019-10-01").pluck(:id)
```

This will give you a `numeric_id` of a version, which you can then use to find the project that the version belongs to with a query like:

```
Version.find('numeric_id').project.to_s
```

#6 - 2021-08-16 09:06 - Markus Boremski

Hey,
thanks a lot for your detailed feedback.
I was able to find the reason for this behavior with your hints.

Your suggested commands lead to:

```
>>> Version.where(start_date: "2019-10-01").pluck(:id)
Traceback (most recent call last):
ActiveRecord::StatementInvalid (MySQL2::Error: Unknown column 'versions.start_date' in 'where clause': SELECT `versions`.`id` FROM `versions` WHERE `versions`.`start_date` = '2019-10-01')
>>> Version.where(effective_date: "2019-10-01").pluck(:id)
```

=> []

But this brought me to the idea to search start-dates of issues:

```
>>> Issue.where(start_date: "2019-10-01").pluck(:id)
=> [230, 1309, 1505, 1574, 1575, 1623, 1636, 1649, 1672, 1674, 1676, 1677]
```

The first one was a direct hit. #230 is bound to our backlog-version and this version is shared over all projects. Then I deleted the start-date of this issue and the projects now start from a later date. Since we still had many projects starting on the same date (2019-11-11) I walked this way over several iterations. Now our "problem" is solved. (thanks alot!)

But I would like to leave one question here:

- Can we say this is "expected behavior"?
And if so: Should we think about excluding system-wide-shared-projects from having impact on the start-date of all projects?

Thank you.

#7 - 2021-08-17 09:24 - Mischa The Evil

- Assignee deleted (Markus Boremski)

Markus Boremski wrote:

[...]
thanks alot for your detailed feedback.
I was able to find the reason for this behavior with your hints.

You're welcome. I'm glad you were able to find the cause of your issue despite my botched queries.

Your suggested commands lead to:

The second result is ok. It shows that no version with that effective_date exists in your Redmine. The first one is my mistake. It is caused by the fact that I came to and tested this issue while working on [#15180](#), which adds the respective column to Versions. I'd forgotten about this while replying here. My apologies for that.

But this brought me to the idea to search start-dates of issues:
[...]

Good thinking... :grin:

But I would like to leave one question here:

- Can we say this is "expected behavior"?
And if so: Should we think about excluding system-wide-shared-projects from having impact on the start-date of all projects?

FWIW: I think we can say that this is the expected behavior given how project start- and due-dates are implemented for the Gantt view (this is currently still the only place where these dates are displayed/used) combined with the fact that system-wide-shared-versions can only be configured by users with admin permissions (and lesser-wide shared versions with accordingly appropriate permissions; see [#3123](#) for [#465](#)). Whether or not this is the *desired* behavior is IMHO more ambiguous. Though, given all the context I'd say yes to that question too. Basically, you share a version with a start date (derived from it's issues), which is used to derive the start date of projects, with all the projects in the Redmine system. Logic and reason tells me that we shouldn't handle such a situation differently. Even though I agree that the cause of issues like yours can be tricky to resolve within the current implementation.
FTR: the implementation of issues [#15180](#), [#35761](#) and [#35762](#) can decrease the difficulty of "debugging" an issue like this to some extend.

#8 - 2021-08-17 09:47 - Markus Boremski

Thanks for you feedback.

Since your description I now agree, that we can say this behavior is expected.
So we can close this issue from my point.

I would be feeling honored to have this issue referenced with your newly created issues regarding this topic.

#9 - 2021-08-22 10:21 - Mischa The Evil

- Related to Feature [#15180](#): Start date on versions added

#10 - 2021-08-22 10:22 - Mischa The Evil

- Related to Feature #35761: Display Project#start_date and Project#due_date on project show view added

#11 - 2021-08-22 10:22 - Mischa The Evil

- Related to Feature #35762: Add an optional, explicit Project#start_date and Project#due_date to projects added

#12 - 2021-08-22 10:32 - Mischa The Evil

- Subject changed from Gantt - Projectbars / (nearly) all Start on 2019-Oct-01 to Project lines on Gantt (nearly) all start on the same single date

- Description updated

- Status changed from Needs feedback to Closed

- Resolution set to Invalid

[Markus Schlichting](#): thanks for the feedback.

I've added the issue relations, clarified the subject to make this issue easier to find and modified the description accordingly.

I'll subsequently close this issue with the resolution set to 'invalid' given that the reported behavior is expected from the current implementation(s).

Files

2021-06-24 12_57_33-Gantt-Diagramm.png	58.7 KB	2021-06-24	Markus Boremski
2021-06-24 13_05_01-Gantt-Diagramm.png	144 KB	2021-06-24	Markus Boremski