

## Arvados - Bug #2936

**Pipeline instance component display: for a finished pi (and probably for one in progress with multiple components), the job progress bar is not red if the job has failed.**

05/29/2014 04:55 PM - Radhika Chippada

<b>Status:</b>	Resolved	<b>Start date:</b>	06/17/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Tim Pierce	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2014-06-17 Curating and Crunch		
<b>Description</b>			
<b>Subtasks:</b>			
Task # 3035: Fix progress bar rendering in _job_progress.html.erb			<b>Resolved</b>
Task # 3034: Review 2936-job-progress-bar			<b>Resolved</b>

### Associated revisions

#### Revision 4b8a53c9 - 06/17/2014 09:57 AM - Tim Pierce

2936: improve progress bar for failed jobs

Ensure that:

- All job progress bars reflect at least one task. If a job has no tasks at all (done, failed, finished, or todo) that should be considered a failed job, so render a progress bar as though one task ran and failed.
- A failed job ([:success] == false) always shows at least one failed task. If a job is marked as failed but has no failed tasks, then pretend there was one failed task so at least some red will appear in the progress bar.

Fixes #2936.

#### Revision ee69f703 - 06/17/2014 03:05 PM - Tim Pierce

2936: fix job progress bars

Add edge case settings for when a crunch job could not be started, or when no tasks were ever created.

Calculate percent\_total\_tasks as a float, to ensure that it will be nonzero even if there are more than 100 tasks altogether. Calculate percentages of individual task progress with .ceil to ensure that there will be at least 1% shown for each nonzero task status.

Refs #2936

#### Revision 7e88a950 - 06/17/2014 03:43 PM - Tim Pierce

Merge branch '2936-job-progress-bar'

Closes #2936.

### History

#### #1 - 05/29/2014 04:57 PM - Radhika Chippada

It appears that tasks\_summary sent to \_job\_progress.html.erb is not populated with the correct values.

#### #2 - 05/30/2014 03:54 PM - Ward Vandewege

- Subject changed from Pipeline instance component display: for a finished pi (and probably for one in progress with multiple components), the job progress bar is not red if the job has failed. to Pipeline instance component display: for a finished pi (and probably for one in progress with multiple components), the job progress bar is not red if the job has failed.

- Story points set to 0.5

**#3 - 06/06/2014 02:32 PM - Tim Pierce**

- Assigned To set to Tim Pierce

**#4 - 06/17/2014 10:05 AM - Tim Pierce**

- Status changed from New to Resolved

- % Done changed from 0 to 100

Applied in changeset arvados|commit:4b8a53c9cfc81a942f985f1799dbc6e27deb3bc2.

**#5 - 06/17/2014 11:14 AM - Tim Pierce**

- Status changed from Resolved to In Progress

**#6 - 06/17/2014 03:36 PM - Brett Smith**

[#3034](#) specifies: "job progress bars reflect at least one task. If a job has no tasks at all (done, failed, finished, or todo) that should be considered a failed job, so render a progress bar as though one task ran and failed."

The code doesn't do that. Instead, it renders a completely empty progress bar (unless the whole job is marked as failed). I believe the implemented behavior is more correct (otherwise we'd render a failure bar for any Job which hasn't even started yet), so I'm fine with that. However, I wanted to flag the discrepancy for attention. If you had the same thought I did, or this implementation is consistent with follow-up discussion not in the ticket, then [ee69f70](#) looks good to merge to me. Thanks.

**#7 - 06/17/2014 03:42 PM - Tim Pierce**

Brett Smith wrote:

[#3034](#) specifies: "job progress bars reflect at least one task. If a job has no tasks at all (done, failed, finished, or todo) that should be considered a failed job, so render a progress bar as though one task ran and failed."

The code doesn't do that. Instead, it renders a completely empty progress bar (unless the whole job is marked as failed). I believe the implemented behavior is more correct (otherwise we'd render a failure bar for any Job which hasn't even started yet), so I'm fine with that. However, I wanted to flag the discrepancy for attention. If you had the same thought I did, or this implementation is consistent with follow-up discussion not in the ticket, then [ee69f70](#) looks good to merge to me. Thanks.

You're correct, thanks for pointing it out. After submitting the review task, discussion about the desired behavior convinced me that we want an empty progress bar in this case. Going ahead and merging.

**#8 - 06/17/2014 03:45 PM - Tim Pierce**

- Status changed from In Progress to Resolved

Applied in changeset arvados|commit:7e88a950d4fdbc2790e6164aa7d947b491419f21.