Arvados - Feature #17841

[costanalyzer] add container duration to totals

06/29/2021 05:25 PM - Ward Vandewege

Status:	Resolved		**Start date:**	07/01/2021
Priority:	Normal		**Due date:**	
Assigned To:	Ward Vandewege		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	2021-07-07 sprint			

Description

Subtasks:	
Task # 17842: review 17841-add-duration	**Resolved**

Associated revisions

Revision c1372488 - 07/06/2021 09:37 PM - Ward Vandewege

Merge branch '17841-add-duration'

closes #17841

Arvados-DCO-1.1-Signed-off-by: Ward Vandewege <ward@curii.com>

History

#1 - 06/29/2021 05:25 PM - Ward Vandewege

- Status changed from New to In Progress

#2 - 06/29/2021 05:39 PM - Ward Vandewege

ready for review in 0153e8ec303e63ff75a1a2ce52a05ff910706029 on branch 17841-add-duration. Tests are running at
https://ci.arvados.org/view/Developer/job/developer-run-tests/2555/

#3 - 06/29/2021 06:40 PM - Tom Clegg

addContainerLine() could also return a containerInfo struct instead of two floats

In costAnalyzer(), crCsv seems like a weird name since it's not really a csv, maybe it should be called crInfo?

Should generateCrCsv() have a "totalDuration += tmpTotalDuration" alongside "totalCost += tmpTotalCost"?

It seems like cost and duration are always retrieved the same way and added to other containerInfo field values at the same time, which might be a hint that all costs and durations should be passed around in this form, e.g., totalCost and totalDuration could be total.cost and total.duration where total is a containerInfo... and perhaps containerInfo is really "consumption" or something like that, since it doesn't necessarily refer to just a single container. Using a (*containerInfo)Add(containerInfo) method instead of a += statement for each field would help avoid future bugs like the missing addition to totalDuration, if indeed that's a bug.

#4 - 06/29/2021 09:38 PM - Ward Vandewege

Tom Clegg wrote:

> addContainerLine() could also return a containerInfo struct instead of two floats

Done!

> In costAnalyzer(), crCsv seems like a weird name since it's not really a csv, maybe it should be called crInfo?

Done!

> Should generateCrCsv() have a "totalDuration += tmpTotalDuration" alongside "totalCost += tmpTotalCost"?

Yeah, fixed, good find.

It seems like cost and duration are always retrieved the same way and added to other containerInfo field values at the same time, which might be a hint that all costs and durations should be passed around in this form, e.g., totalCost and totalDuration could be total.cost and total.duration where total is a containerInfo...

Yes! Changed.

and perhaps containerInfo is really "consumption" or something like that, since it doesn't necessarily refer to just a single container. Using a (*containerInfo)Add(containerInfo) method instead of a += statement for each field would help avoid future bugs like the missing addition to totalDuration, if indeed that's a bug.

Yes! Good idea, changed.

I also fixed an offset problem with the TOTAL line in the per-CR csv files, the column positions for duration and cost were off by one.

Ready for another look at 98bdab8fca735201efe2a785b6c20003e1d9058f on branch 17841-add-duration. Tests are running at https://ci.arvados.org/view/Developer/job/developer-run-tests/2559/

#5 - 07/06/2021 03:35 PM - Tom Clegg

98bdab8fc LGTM, thanks!

#6 - 07/06/2021 09:38 PM - Ward Vandewege

Tom Clegg wrote:

98bdab8fc LGTM, thanks!

Thanks, I updated the doc page (I had forgotten to do that) and merged.

#7 - 07/06/2021 09:38 PM - Ward Vandewege

- *% Done changed from 0 to 100*

- *Status changed from In Progress to Resolved*

Applied in changeset arvados|c137248849c4b4ad38513f3faebd1782037add09.

#8 - 11/16/2021 04:28 PM - Peter Amstutz

- *Release set to 42*