Foreman - Bug #1546

report::expire slow with many reports

03/22/2012 02:36 PM - Jacob McCann

Status:	Duplicate		
Priority:	Normal		
Assignee:	Ori Rabin		
Category:	Reporting		
Target version:	1.7.5		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

report::expire is causing me issues, one of which is its very slow to run (~20 minutes, and thats before it ultimately errors).

Ohad believes this is due to table scans:

> Ok, one simple thing that I found out, was that we were using the
> following query:
>
> Report Load (16588.0ms)   SELECT id FROM `reports` WHERE (reports.id
>
>   = 0) AND (created_at < '2011-06-16 14:13:02') ORDER BY reports.id ASC
>
>
> LIMIT 1000
>
> if you run the following query in mysql console using explain:
>
> explain SELECT id FROM `reports` WHERE (reports.id >= 0) AND
> (created_at < '2012-06-16 14:13:02') ORDER BY reports.id ASC LIMIT
> 1000;
>
> You would see that the query was forced to scan the entire reports
> table and was not using the indexes.
>
> it should be a "bit" faster to change from created_at to reported_at
> (as created_at has no index at all).
> I assume that the reason why using the older code was better for you
> (as it was using reported_at which has an index) and using the in
> batches was just a side effect.
>
> we need to figure out the correct index for making this process a bit
> faster, in my limited tests, creating index on multiple columns (id
> and reported_at) were not very helpful.
>
> in your case, creating an index is not trivial (as you have a large
> set of data) as the indexes usually locks the db.

https://groups.google.com/d/msg/foreman-users/_Mn4oxXmP7E/T3ByUZ9YTclJ

Related issues:

Is duplicate of Foreman - Bug #1592: report::expire errors with millions of r...	**Closed**	**04/30/2012**

History

#1 - 04/30/2012 01:43 PM - Jacob McCann

To me the slowness of the expire seems more to do with the giant arrays being generated from the loops:

#2 - 11/13/2012 12:04 PM - Greg Sutcliffe

- Target version set to Bug scrub

- Start date deleted (03/22/2012)

#3 - 10/16/2013 04:03 PM - Greg Sutcliffe

- Target version deleted (Bug scrub)   *2/2*

#4 - 07/30/2014 09:13 AM - Ohad Levy

- Target version set to 1.7.5

#5 - 08/04/2014 07:32 AM - Ori Rabin

- Description updated

- Status changed from New to Assigned

- Assignee set to Ori Rabin

#6 - 08/06/2014 06:55 AM - Ori Rabin

- Is duplicate of Bug #1592: report::expire errors with millions of records added

#7 - 08/06/2014 06:55 AM - Ori Rabin

- Status changed from Assigned to Duplicate