

Foreman - Bug #4574

Very slow filter query in hosts tab

03/06/2014 01:36 PM - Chuck Schweizer

Status:	New	
Priority:	Normal	
Assignee:		
Category:	Performance	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: 1.4.1
Bugzilla link:		Red Hat JIRA:
Pull request:		

Description

```
foreman=# explain SELECT "hosts".* FROM "hosts" INNER JOIN "fact_values" fact_values_372547 ON (
hosts.id = fact_values_372547.host_id) INNER JOIN "fact_names" fact_names_372547 ON (fact_names_37
2547.id = fact_values_372547.fact_name_id) WHERE "hosts"."type" IN ('Host::Managed') AND ((fact_na
mes_372547."name" = 'puppetversion') AND (hosts.id IN (SELECT host_id FROM fact_values WHERE fact_
values_372547."value" <> '3.4.3' ))) ORDER BY "hosts"."name" ASC NULLS FIRST LIMIT 75 OFFSET 0;
                                         QUERY PLAN
```

```
-----
Limit (cost=486984949.13..486984949.32 rows=75 width=2640)
  -> Sort (cost=486984949.13..486984959.77 rows=4257 width=2640)
      Sort Key: hosts.name
      -> Nested Loop (cost=0.00..486984795.27 rows=4257 width=2640)
          Join Filter: (SubPlan 1)
          -> Nested Loop (cost=0.00..44849.99 rows=8510 width=23)
              -> Index Scan using index_fact_names_on_name_and_type on fact_names fact_nam
es_372547 (cost=0.00..8.27 rows=1 width=4)
                  Index Cond: ((name)::text = 'puppetversion'::text)
              -> Index Scan using index_fact_values_on_fact_name_id on fact_values fact_va
lues_372547 (cost=0.00..44687.89 rows=12306 width=27)
                  Index Cond: (fact_values_372547.fact_name_id = fact_names_372547.id)
          -> Index Scan using hosts_pkey on hosts (cost=0.00..6.02 rows=1 width=2640)
              Index Cond: (hosts.id = fact_values_372547.host_id)
              Filter: ((hosts.type)::text = 'Host::Managed'::text)
          SubPlan 1
            -> Result (cost=0.00..102705.51 rows=4688751 width=4)
                One-Time Filter: ($0 <> '3.4.3'::text)
                -> Seq Scan on fact_values (cost=0.00..102705.51 rows=4688751 width=4)

(17 rows)
```

History

#1 - 03/06/2014 01:37 PM - Dominic Cleal

- Description updated