

## Foreman - Bug #8912

### Foreman 1.7.1 Host/Nic seems to cause extra database load

01/12/2015 12:16 PM - Martin Jackson

<b>Status:</b>	Resolved	
<b>Priority:</b>	High	
<b>Assignee:</b>		
<b>Category:</b>	Performance	
<b>Target version:</b>		
<b>Difficulty:</b>		<b>Fixed in Releases:</b>
<b>Triaged:</b>		<b>Found in Releases:</b> 1.7.1
<b>Bugzilla link:</b>		<b>Red Hat JIRA:</b>
<b>Pull request:</b>		

#### Description

Since upgrading to Foreman 1.7.1 last Wednesday, we have experienced 200% additional database load. We increased our database server to 8 vcpus from 4.

Additionally, setting "ignore\_puppet\_facts\_for\_provisioning" did not reduce the database load.

It seems a lot of our foreman front ends are running this query:

```
foreman=# SELECT count(*) as cnt, username, current_query FROM pg_stat_activity GROUP BY username, current_query ORDER BY cnt DESC;
```

```
cnt | username |
-----+-----+
current_query
-----+-----+
-----
---
257 | foreman | <IDLE>
 17 | foreman | <IDLE> in transaction
   2 | foreman | COMMIT
   1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:0a:f7:43:51:e2' AND "nics"."id" != 139343 AND "nics"."virtual" = 'f') LIMIT 1
   1 | foreman | SELECT "nics".* FROM "nics" WHERE "nics"."host_id" = 25033 AND "nics"."mac" = '40:f2:e9:94:98:fa' AND "nics"."virtual" = 't' AND "nics"."identifier" = 'bond0' ORDER BY identifier LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '00:16:3e:8d:1a:11' LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '40:f2:e9:9e:1a:45' LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '40:f2:e9:29:17:44' LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '40:f2:e9:25:2b:ac' LIMIT 1
   1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:0a:f7:1d:ac:8e' AND "nics"."id" != 139723 AND "nics"."virtual" = 'f') LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '00:90:fa:71:7b:36' LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '40:f2:e9:27:71:63' LIMIT 1
   1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:2a:49:08' AND "nics"."id" != 138420 AND "nics"."virtual" = 'f') LIMIT 1
   1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:0a:6a:16' AND "nics"."id" != 138466 AND "nics"."virtual" = 'f') LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '00:90:fa:19:8b:a4' LIMIT 1
   1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
```

```

"mac" = '00:90:fa:71:82:24' LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:26:ba:93' LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '00:90:fa:1a:bb:c2' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:dc:38:25' AND "nic
s"."id" != 138968 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:75:56:8c' AND "nic
s"."id" != 138427 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:16:3e:b2:ea:11' AND "nic
s"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE "nics"."type" IN ('Nic::Interface', 'Nic::Ma
naged', 'Nic::BMC', 'Nic::Bond', 'Nic::Bootable') AND "nics"."ip" = '192.168.59.178' LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:da:2a:33' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:26:d6:b3' AND "nic
s"."id" != 138837 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:26:b2:24' LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:26:82:55' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:94:38:6d' AND "nic
s"."id" != 138453 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:95:33:33' AND "nic
s"."id" != 138971 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:9b:b5:9b' AND "nic
s"."id" != 138861 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:6a:68:20' AND "nic
s"."id" != 139055 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '00:21:5e:ed:39:be' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:0a:f7:43:54:50' AND "nic
s"."id" != 139195 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:26:62:73' AND "nic
s"."id" != 138725 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:21:5e:ed:45:b2' AND "nic
s"."id" != 138451 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '00:0a:f7:43:6d:be' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '6c:ae:8b:3e:bc:3d' AND "nic
s"."id" != 139002 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:26:2e:6d' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:2a:78:66' AND "nic
s"."id" != 138605 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '6c:ae:8b:3e:b8:04' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:19:71:18' AND "nic
s"."id" != 138396 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '00:0a:f7:43:58:72' LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:da:2e:6b' LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '00:0a:f7:1d:7d:9a' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:0a:f7:1d:8d:66' AND "nic
s"."id" != 139093 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:9d:d3:f3' AND "nic
s"."id" != 138689 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:16:3e:9b:aa:31' AND "nic
s"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:0a:f7:1d:8f:58' AND "nic
s"."id" != 139348 AND "nics"."virtual" = 'f') LIMIT 1
  1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts".
"mac" = '40:f2:e9:26:c6:c5' LIMIT 1
  1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:9e:1a:bb' AND "nic
s"."id" != 138853 AND "nics"."virtual" = 'f') LIMIT 1

```

```
1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '40:f2:e9:94:98:83' AND "nics"."id" != 138838 AND "nics"."virtual" = 'f') LIMIT 1
1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '00:90:fa:19:61:7c' LIMIT 1
1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:75:8e:10' AND "nics"."id" != 30 AND "nics"."virtual" = 'f') LIMIT 1
1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '00:0a:f7:20:0a:c8' LIMIT 1
1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '40:f2:e9:9e:da:eb' LIMIT 1
1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:75:65:90' AND "nics"."id" != 139181 AND "nics"."virtual" = 'f') LIMIT 1
1 | foreman | SELECT mac FROM "hosts" WHERE "hosts"."type" IN ('Host::Managed') AND "hosts"."mac" = '98:be:94:3c:61:cb' LIMIT 1
1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = '00:90:fa:19:c0:84' AND "nics"."id" != 138642 AND "nics"."virtual" = 'f') LIMIT 1
1 | foreman | SELECT 1 AS one FROM "nics" WHERE ("nics"."mac" = 'd8:9d:67:60:08:20' AND "nics"."id" != 138872 AND "nics"."virtual" = 'f') LIMIT 1
1 | postgres | SELECT count(*) as cnt, username, current_query FROM pg_stat_activity GROUP BY username, current_query ORDER BY cnt DESC;
```

#### Related issues:

Related to Foreman - Tracker #2409: Networking

New

## History

### #1 - 01/12/2015 01:19 PM - Martin Jackson

Note: We discovered this while we were troubleshooting [#7405](#)

### #2 - 01/12/2015 01:23 PM - Martin Jackson

We have a substantial number of Xen vhosts (around 12,000) that seem to trigger the bug identified by [#7405](#). This led to a lot of noise in the audit logs for Primary Interfaces changing. Our ideal scenario would be to have a way to toggle the host/nic provisioning behavior. The use of `ignore_puppet_facts_for_provisioning` seems reasonable to me; at least in terms of the documented intent of that setting.

### #3 - 01/13/2015 03:30 AM - Dominic Cleal

- Description updated

- Category set to Performance

### #4 - 01/13/2015 08:12 AM - Dominic Cleal

- Related to Tracker #2409: Networking added

### #5 - 05/07/2015 11:53 AM - Dominic Cleal

In Foreman 1.8, [#9104](#) caused `ignore_puppet_facts_for_provisioning` to stop updating interfaces/NICs, which will significantly reduce database load when it's changed from the default.

### #6 - 05/20/2017 06:25 AM - Anonymous

- Status changed from New to Resolved

should be better (or at least different ;) with recent versions