ENC with smart class parameters is slow (regression with 1.16)

If a host uses a lot of smart class parameters (50+), running the ENC gets awful slow. Runtimes of 10 or more seconds have been reported. The runtime grows linear with the number of parameters.

Classification::ValuesHashQuery#values_hash is used to retrieve all the parameters used in the ENC. For each key this method calls lookup_values_cache with the same parameters. The called method assembles a database query, which is pretty slow, even if it never shows up in the ActiveRecord time and just runs against the cache.

The simple fix just calculates the result of lookup_values_cache once.

However I'm not sure if this code is even correct now, as different parameters can have different orders.

Associated revisions
Revision a538c9b5 - 05/22/2018 11:22 AM - Bastian Blank
Fixes #23608 - Only calculate lookup values once

History
#1 - 05/18/2018 08:43 AM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/5583 added

#2 - 05/22/2018 11:06 AM - The Foreman Bot
- Status changed from New to Ready For Testing

#3 - 05/22/2018 12:01 PM - Anonymous
- % Done changed from 0 to 100
- Status changed from Ready For Testing to Closed

Applied in changeset a538c9b5cad07ebf729cc6202941115d2a4d94d.

#4 - 05/22/2018 03:16 PM - The Foreman Bot
- Assignee set to Anonymous
- Pull request https://github.com/theforeman/foreman/pull/5602 added

#5 - 05/28/2018 03:22 PM - Marek Hulán
- Legacy Backlogs Release (now unused) set to 359
- Triaged set to No

- Found in Releases 1.16.1 added

- Fixed in Releases 1.16.2, 1.17.2 added