Foreman - Bug #13112

N+1 query on hosts#index from last report object

01/11/2016 09:20 AM - Dominic Cleal

Status:	Closed		
Priority:	Normal		
Assignee:	Dominic Cleal		
Category:	Database		
Target version:	1.10.1		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/3055		

Description

Since #12954, the hosts index is reporting an N+1 database lookup when retrieving the last report object to calculate the host status.

There's an optimisation in #10782 which isn't being used when calling the relevant? method (which now uses the object) as the method doesn't take options including the last report object.

Related issues:

Related to Foreman - Bug #12954: Foreman puppet report status does not work w...	**Closed**	**12/29/2015**

Associated revisions

Revision 294ced20 - 01/13/2016 05:32 AM - Dominic Cleal

fixes #13112 - add options to HostStatus#relevant? to optimise reports

To match other methods on HostStatus::Status instances, relevant? has a new options argument which is used from the global status building to optimise config report loading. This prevents an N+1 query on the hosts index page.

Previous methods defined with zero arguments are still supported with a deprecation warning.

Revision a0381819 - 01/19/2016 09:18 AM - Dominic Cleal

fixes #13112 - add options to HostStatus#relevant? to optimise reports

To match other methods on HostStatus::Status instances, relevant? has a new options argument which is used from the global status building to optimise config report loading. This prevents an N+1 query on the hosts index page.

Previous methods defined with zero arguments are still supported with a deprecation warning.

(cherry picked from commit 294ced20fa422e7bb86022d4139f4af91515ef64)

History

#1 - 01/11/2016 09:21 AM - Dominic Cleal

- Related to Bug #12954: Foreman puppet report status does not work without a puppet proxy added

#2 - 01/11/2016 09:22 AM - Dominic Cleal

- Description updated

#3 - 01/12/2016 07:19 AM - Dominic Cleal

- Status changed from New to Assigned

- Assignee set to Dominic Cleal

#4 - 01/12/2016 07:22 AM - Dominic Cleal

Stack trace:

```
| N+1 Query method call stack
|    /home/dcleal/code/foreman/foreman/app/models/host_status/configuration_status.rb:7:in `last_report'
|    /home/dcleal/code/foreman/foreman/app/models/host_status/configuration_status.rb:83:in `relevant?'
|    /home/dcleal/code/foreman/foreman/app/models/host_status/global.rb:10:in `block in build'
|    /home/dcleal/code/foreman/foreman/app/models/host_status/global.rb:10:in `build'
|    /home/dcleal/code/foreman/foreman/app/models/host/managed.rb:885:in `build_global_status'
|    /home/dcleal/code/foreman/foreman/app/helpers/hosts_helper.rb:109:in `host_global_status_icon_class_for_h
ost'
|    /home/dcleal/code/foreman/foreman/app/helpers/hosts_helper.rb:98:in `name_column'
|    /home/dcleal/code/foreman/foreman/app/views/hosts/_list.html.erb:22:in `block in _app_views_hosts__list_h
tml_erb___2368167352033240693_98631040'
|    /home/dcleal/code/foreman/foreman/app/views/hosts/_list.html.erb:17:in `_app_views_hosts__list_html_erb__
_2368167352033240693_98631040'
|    /home/dcleal/code/foreman/foreman/app/views/hosts/index.html.erb:4:in `_app_views_hosts_index_html_erb__3
208504113801726348_98118920'
```

#5 - 01/12/2016 08:00 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/3055 added

#6 - 01/13/2016 05:36 AM - Dominic Cleal

- translation missing: en.field_release changed from 71 to 104

#7 - 01/13/2016 06:02 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset 294ced20fa422e7bb86022d4139f4af91515ef64.