**Foreman - Tracker #29939**

**Improve setting definition DSL and move setting registry to memory**

05/27/2020 10:19 AM - Ondřej Ezr

<table>
<thead>
<tr>
<th>Status:</th>
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<tbody>
<tr>
<td>Ready For Testing</td>
</tr>
<tr>
<td>Priority:</td>
</tr>
<tr>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
</tr>
<tr>
<td>Ondřej Ezr</td>
</tr>
<tr>
<td>Category:</td>
</tr>
<tr>
<td>Settings</td>
</tr>
<tr>
<td>Target version:</td>
</tr>
<tr>
<td>Difficulty:</td>
</tr>
<tr>
<td>medium</td>
</tr>
<tr>
<td>Triage:</td>
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<tr>
<td>Yes</td>
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**Description**

Currently we have all the settings (both changed and unchanged) in the database, but we have all the defaults in code as well, so it makes no sense to have quite a heavy code base to keep both in sync. Instead I'd like to bring the setting inventory into memory and database would keep only the changed settings.

It should give as an easy way for plugins to extend settings category not just adding a new one.

**Subtasks:**

Refactor # 30860: Create SettingPresenter as a proxy for setting UI values - Closed
Refactor # 30861: Move setting value collections to SettingPresenter - Closed
Feature # 30862: Introduce SettingRegistry as a setting inventory - Closed
Refactor # 31471: Deprecate setting timestamps in API responses - Closed
Feature # 32286: Create a new setting definition DSL - Closed
Refactor # 32287: Load Setting index page from memory registry - Closed
Refactor # 32403: Add custom validations to new setting DSL - Closed
Refactor # 32408: Use new DSL to define settings - Closed
  - Refactor # 11836: Rename Puppet settings to Configuration - Closed
  - Refactor # 32893: Use new DSL to define General settings - Closed
  - Refactor # 33539: Use new DSL to define Authentication settings - Closed
  - Refactor # 33595: Use new DSL to define Email settings - Closed
  - Refactor # 33596: Use new DSL to define Notification settings - Closed
  - Refactor # 33601: Use new DSL to define Provisioning settings - Closed
  - Refactor # 33607: Use new DSL to define Puppet settings - Closed
  - Refactor # 33622: Add custom settings to new DSL - Closed
  - Refactor # 33633: Use new DSL to define Settings related to Katello - Closed
  - Refactor # 33781: Deprecate old setting definitions without `default_settings` - Closed
  - Refactor # 33782: Initialize Setting for tests without fixtures - Closed
  - Refactor # 34305: Stop creating settings in the DB - Ready For Testing
Bug # 34328: GraphQL is using Setting model directly - Closed
  - Refactor # 34382: Use only SettingRegistry to read and update the settings - Closed
  - Bug # 34389: Setting registry doesn't reload properly on autoreload - Closed
  - Refactor # 35608: Use new Settings DSL in Katello - New
  - Refactor # 35178: Mandatory setting type - Duplicate
  - Refactor # 32894: Add strong typing to Setting DSL - Closed
  - Refactor # 33608: use new Settings DSL in Katello - Closed
Refactor # 33718: Deprecate old setting definitions without `default_settings` - Closed
Refactor # 33728: Initialize Setting for tests without fixtures - Closed
Refactor # 34305: Stop creating settings in the DB - Ready For Testing
Bug # 34328: GraphQL is using Setting model directly - Closed
  - Refactor # 34335: Make GraphQL read settings from Registry - Rejected
  - Refactor # 34603: Deprecate other then DSL setting definitions - Ready For Testing

**Related issues:**

- Related to Katello - Refactor #30354: Use only public setting interface to up... - Closed
- Related to Foreman - Refactor #29257: remove x-editable-rails - Closed
- Related to Foreman - Bug #33791: Settings defined in settings.yaml do not tak... - Closed
- Blocks Ansible - Refactor #32409: Use new DSL to define settings - Closed
- Blocks Templates - Refactor #32410: Use new DSL to define settings - Closed

03/20/2022
<table>
<thead>
<tr>
<th>Issue</th>
<th>Title</th>
<th>Status</th>
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<tbody>
<tr>
<td>#32411</td>
<td>Blocks Discovery - Refactor</td>
<td>New</td>
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<tr>
<td>#32412</td>
<td>Blocks foreman-tasks - Refactor</td>
<td>Closed</td>
</tr>
<tr>
<td>#32413</td>
<td>Blocks Foreman Remote Execution - Refactor</td>
<td>Closed</td>
</tr>
<tr>
<td>#32414</td>
<td>Blocks Statistics - Refactor</td>
<td>Closed</td>
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</tbody>
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**History**

#1 - 05/28/2020 11:12 PM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/7702 added

#2 - 07/09/2020 11:28 AM - Ondřej Ezr
- Related to Refactor #30354: Use only public setting interface to update setting values added

#3 - 09/07/2020 01:19 PM - Amit Upadhye
- Target version changed from 2.2.0 to 2.3.0

#4 - 09/16/2020 03:28 PM - Ondřej Ezr
- Subject changed from Add extension point to setting defaults to Move setting registry into a memory

#5 - 09/16/2020 03:31 PM - Ondřej Ezr
- Description updated

#6 - 09/16/2020 03:32 PM - Ondřej Ezr
- % Done set to 0
- Tracker changed from Feature to Tracker
- Pull request deleted (https://github.com/theforeman/foreman/pull/7702)

#7 - 09/17/2020 10:38 AM - Ondřej Ezr
- Description updated

#8 - 09/17/2020 10:39 AM - Ondřej Ezr
- Related to Refactor #29257: remove x-editable-rails added

#9 - 11/23/2020 11:29 AM - Ondřej Ezr
- Target version changed from 2.3.0 to 2.4.0

#10 - 01/27/2021 01:56 PM - Tomer Brisker
- Target version deleted (2.4.0)

#11 - 02/02/2021 01:05 PM - Amit Upadhye
- Target version set to 2.5.0

#12 - 04/10/2021 10:22 PM - Ondřej Ezr
- Subject changed from Move setting registry into a memory to Improve setting definition DSL and move setting registry to memory

#13 - 04/24/2021 08:36 PM - Ondřej Ezr
- Blocks Refactor #32409: Use new DSL to define settings added

#14 - 04/24/2021 08:37 PM - Ondřej Ezr
- Blocks Refactor #32410: Use new DSL to define settings added
#15 - 04/24/2021 08:38 PM - Ondřej Ezr
- Blocks Refactor #32411: Use new DSL to define settings added

#16 - 04/24/2021 08:39 PM - Ondřej Ezr
- Blocks Refactor #32412: Use new DSL to define settings added

#17 - 04/24/2021 08:40 PM - Ondřej Ezr
- Blocks Refactor #32413: Use new DSL to define settings added

#18 - 04/24/2021 08:41 PM - Ondřej Ezr
- Blocks Refactor #32414: Use new DSL to define settings added

#19 - 04/26/2021 09:13 AM - Ondřej Ezr
- Target version deleted (2.5.0)

#20 - 10/27/2021 08:18 AM - Ondřej Ezr
- Related to Bug #33791: Settings defined in settings.yaml do not take precedence in the new DSL added