# Foreman - Refactor #26741

Refactor # 18732 (New): Make Foreman Containerizable

## Add a dockerfile for foreman

05/04/2019 02:24 PM - Ohad Levy

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Ohad Levy</td>
</tr>
<tr>
<td>Category:</td>
<td>Development tools</td>
</tr>
<tr>
<td>Target version:</td>
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<td>Difficulty:</td>
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<tr>
<td>Triaged:</td>
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<tr>
<td>Bugzilla link:</td>
<td></td>
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<tr>
<td>Fixed in Releases:</td>
<td>1.23.0</td>
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<tr>
<td>Found in Releases:</td>
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## Description

### Related Issues:
- Related to Foreman - Refactor #26953: Expose base and builder-base container ...
  - Ready For Testing
- Related to Foreman - Bug #27710: foreman containers has non production requir...
  - Closed
- Related to Foreman - Refactor #27806: change docker-compose setup to use pg b...
  - Closed

### Associated revisions

**Revision 89465aaf - 05/21/2019 08:35 AM - Ohad Levy**

```
fixes #26741 - adds containers support for developers
```

This patch introduces a docker file and docker compose example so that developers can easily get a production docker based env working quickly.

This by no means is a replacement to the installer or should effect users besides the purpose of getting up an environment quickly

This does not try to solve docker problems for plugins (but it can be used to build customized images with a custom plugin installed).

To test this PR you would need docker and docker-compose (I'm running docker-compose-1.22.0-2.)

To use this PR:

```
(install docker-compose)
docker-compose run app bundle exec rake db:create db:migrate db:seed
docker-compose up
```

In order to build your own docker image you can either use a service (such as quay.io) triggered by a git push or manually OR to install a recent version of docker that supports multi-stage builds.

05/09/2020
in theory podman also supports it, but i had stability issues with it while trying to build images.

Revision cdc84204 - 05/21/2019 11:53 AM - Ohad Levy
refs #26741 - update the location of the container image

Container image is now enabled on quay.io, on every merge to foreman repo, a new image would be built for every branch.

Currently, only the develop branch is enabled, and therefore the latest tag would be used for it.

Revision 7246f6f8 - 05/22/2019 01:37 PM - Ohad Levy
refs #26741 - use develop container tag vs latest

hopefully this makes it more obvious one is using the latest development build vs a stable release.

[skip ci]

Revision 13932002 - 05/23/2019 06:28 PM - Ohad Levy
refs #26741 - adds usage/build instructions for foreman container

[skips ci]

Revision 7f8e55c3 - 06/04/2019 11:40 AM - Ivan Necas
Refs #26741 - fix typo and add node about buildah

Revision 3eab2980 - 06/04/2019 01:34 PM - Ohad Levy
refs #26741 - switch to fedora-minimal base image

Not sure if this matters a lot, but this reduces the base image size from about 300MB to 130MB

Revision 30823040 - 06/11/2019 08:54 AM - Ohad Levy
refs #26741 - do not include facter in container based builds

Since hostnames do not matter within the container users are expected to override the FOREMAN_FQDN setting.

this avoids the flipflop in the audits trail (of serveral settings that depend on the hostname) and sets a default so facter is not needed anymore.
# Revision 7e9598ec - 09/10/2019 11:14 AM - Ohad Levy
refs #26741 - fix typo newgroup -> newgrp

## History

**#1** - 05/04/2019 02:25 PM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/6730 added

**#2** - 05/21/2019 08:36 AM - Timo Goebel
- Fixed in Releases 1.23.0 added

**#3** - 05/21/2019 09:01 AM - Ohad Levy
- Status changed from Ready For Testing to Closed

Applied in changeset 89465aaaf6d4c528ec3b6f2bc1ca9598385f06dd.

**#4** - 05/21/2019 11:30 AM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/6782 added

**#5** - 05/21/2019 12:46 PM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/6785 added

**#6** - 05/21/2019 08:12 PM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/6786 added

**#7** - 05/30/2019 06:23 AM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/6808 added

**#8** - 06/04/2019 11:37 AM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/6822 added

**#9** - 06/04/2019 04:24 PM - Ivan Necas
- Related to Refactor #26953: Expose base and builder-base container images externally to speedup the build process added

**#10** - 06/10/2019 05:38 PM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/6838 added

**#11** - 07/24/2019 02:45 PM - Amit Upadhye
- Category set to Web Interface

**#12** - 08/05/2019 02:36 PM - Tomer Brisker
- Category changed from Web Interface to Development tools

**#13** - 08/26/2019 12:51 PM - Ohad Levy
- Related to Bug #27710: foreman containers has non production required gems added

**#14** - 09/09/2019 02:17 PM - Ohad Levy
- Related to Refactor #27806: change docker-compose setup to use pg by default added

05/09/2020
The Foreman Bot

- Pull request https://github.com/theforeman/foreman/pull/7028 added