

## Installer - Bug #34824

### Installer does not restart foreman.service when changing Puma configuration

04/26/2022 02:06 PM - Evgeni Golov

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Evgeni Golov	
<b>Category:</b>		
<b>Target version:</b>		
<b>Difficulty:</b>		<b>Fixed in Releases:</b> 3.1.3, 3.2.1, 3.3.0
<b>Triaged:</b>	No	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	2025760	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	<a href="https://github.com/theforeman/puppet-for-eman/pull/1045">https://github.com/theforeman/puppet-for-eman/pull/1045</a> , <a href="https://github.com/theforeman/puppet-for-eman/pull/1049">https://github.com/theforeman/puppet-for-eman/pull/1049</a>	

#### Description

Copied from [#33973](#) -- the fix there was not sufficient

Initial Setup: puma configured and running with 4 workers and 4 workers per thread

```
1. grep -n puma /etc/foreman-installer/scenarios.d/satellite-answers.yaml
122: foreman_service_puma_threads_min:
123: foreman_service_puma_threads_max: 4
124: foreman_service_puma_workers: 4
```

```
1. ps aux | grep -v grep | grep -e USER -e puma
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
foreman  3472  0.6  2.2 951716 462672 ?        Ssl  18:08   0:47 puma 5.3.2 (unix:///run/foreman.sock) [foreman]
foreman  4060  0.0  3.1 1141940 648704 ?        Sl   18:09   0:05 puma: cluster worker 0: 3472 [foreman]
foreman  4061  0.0  3.1 1139888 648544 ?        Sl   18:09   0:06 puma: cluster worker 1: 3472 [foreman]
foreman  4064  0.1  3.0 1119804 618152 ?        Sl   18:09   0:12 puma: cluster worker 2: 3472 [foreman]
foreman  4065  0.0  3.0 1143428 631664 ?        Sl   18:09   0:05 puma: cluster worker 3: 3472 [foreman]
```

Reproduction steps:

1. change puma configuration foreman\_service\_threads\_max and/or foreman\_service\_puma\_workers.

```
1. satellite-installer --foreman-foreman-service-puma-workers 5 --foreman-foreman-service-puma-threads-max 5
--verbose-log-level=info
```

2. check # of puma worker processes running is still 4 after installer has completed:

```
1. ps aux | grep -v grep | grep -e USER -e puma
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
foreman  8148 11.9  2.2 951776 462376 ?        Ssl  20:21   0:43 puma 5.3.2 (unix:///run/foreman.sock) [foreman]
foreman  8219  1.2  3.1 1150208 649108 ?        Sl   20:22   0:03 puma: cluster worker 0: 8148 [foreman]
foreman  8223  0.0  2.2 978532 456372 ?        Sl   20:22   0:00 puma: cluster worker 1: 8148 [foreman]
foreman  8227  0.0  2.2 978532 456260 ?        Sl   20:22   0:00 puma: cluster worker 2: 8148 [foreman]
foreman  8236  0.0  2.2 978532 456492 ?        Sl   20:22   0:00 puma: cluster worker 3: 8148 [foreman]
```

3. restart foreman.service: # systemctl restart foreman.service

4. Observe there are now 5 puma worker processes running:

```
1. ps aux | grep -v grep | grep -e USER -e puma
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
foreman  8857 76.2  2.2 947880 457108 ?        Ssl  20:28   0:44 puma 5.3.2 (unix:///run/foreman.sock) [foreman]
foreman  8883  1.2  2.1 976688 450764 ?        Sl   20:28   0:00 puma: cluster worker 0: 8857 [foreman]
foreman  8886  1.1  2.1 976688 450628 ?        Sl   20:28   0:00 puma: cluster worker 1: 8857 [foreman]
```

```
foreman 8894 1.1 2.1 976688 450616 ? SI 20:28 0:00 puma: cluster worker 2: 8857 [foreman]
foreman 8900 1.1 2.1 976688 450956 ? SI 20:28 0:00 puma: cluster worker 3: 8857 [foreman]
foreman 8902 1.2 2.1 976688 450748 ? SI 20:28 0:00 puma: cluster worker 4: 8857 [foreman]
```

Further information:

You can observe that foreman.socket was restarted while foreman.service was not restarted:

```
2021-11-22 20:21:22 [DEBUG ] [configure] Executing: '/bin/systemctl restart -- foreman.socket'
2021-11-22 20:21:23 [INFO ] [configure] /Service[foreman.socket]: Triggered 'refresh' from 1 event
2021-11-22 20:21:23 [DEBUG ] [configure] /Service[foreman.socket]: The container Class[Foreman::Service] will propagate my
refresh event
2021-11-22 20:21:23 [DEBUG ] [configure] /Service[foreman.socket]: Evaluated in 1.36 seconds
2021-11-22 20:21:23 [DEBUG ] [configure] /Service[foreman]: Starting to evaluate the resource (1592 of 2025)
2021-11-22 20:21:23 [DEBUG ] [configure] Executing: '/bin/systemctl is-active -- foreman'
2021-11-22 20:21:23 [DEBUG ] [configure] Executing: '/bin/systemctl is-enabled -- foreman'
2021-11-22 20:21:23 [DEBUG ] [configure] Executing: '/bin/systemctl show --property=NeedDaemonReload -- foreman'
2021-11-22 20:21:23 [DEBUG ] [configure] Executing: '/bin/systemctl daemon-reload'
2021-11-22 20:21:23 [DEBUG ] [configure] Executing: '/bin/systemctl unmask -- foreman'
2021-11-22 20:21:23 [DEBUG ] [configure] Executing: '/bin/systemctl start -- foreman'
2021-11-22 20:22:08 [DEBUG ] [configure] Executing: '/bin/systemctl is-enabled -- foreman'
2021-11-22 20:22:08 [INFO ] [configure] /Stage[main]/Foreman::Service/Service[foreman]/ensure: ensure changed 'stopped' to
'running'
2021-11-22 20:22:08 [DEBUG ] [configure] /Service[foreman]: The container Class[Foreman::Service] will propagate my refresh
event
2021-11-22 20:22:08 [DEBUG ] [configure] /Service[foreman]: Unscheduling refresh on Service[foreman]
2021-11-22 20:22:08 [DEBUG ] [configure] /Service[foreman]: Evaluated in 44.66 seconds
```

#### Related issues:

Copied from Installer - Bug #33973: The Installer does not restart foreman.se...

Closed

#### Associated revisions

##### Revision 6b7b05e0 - 04/27/2022 07:17 PM - Evgeni Golov

Fixes #34824 - properly restart foreman when puma config changed

we need to restart foreman.service **before** a (possible) restart of foreman.socket, as the later **also** does restart foreman.service which leads to foreman.socket being **started** instead of **restarted**

```
/Service[foreman.socket]: Starting to evaluate the resource (2265 of 2522)
  Executing: '/bin/systemctl is-active -- foreman.socket'
  Executing: '/bin/systemctl restart -- foreman.socket'
/Service[foreman]: Starting to evaluate the resource (2266 of 2522)
  Executing: '/bin/systemctl is-active -- foreman'
  Executing: '/bin/systemctl show --property=NeedDaemonReload -- foreman'
  Executing: '/bin/systemctl daemon-reload'
  Executing: '/bin/systemctl unmask -- foreman'
  Executing: '/bin/systemctl start -- foreman'
  Executing: '/bin/systemctl is-enabled -- foreman'
/Stage[main]/Foreman::Service/Service[foreman]/ensure: ensure changed 'stopped' to 'running'
```

But in this case the now running foreman.service didn't see the changes to the service file that daemon-reload would have loaded.

#### History

##### #1 - 04/26/2022 02:06 PM - Evgeni Golov

- Copied from Bug #33973: The Installer does not restart foreman.service when changing puma configuration added

##### #2 - 04/26/2022 02:07 PM - Evgeni Golov

- Description updated

##### #3 - 04/26/2022 02:10 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Pull request <https://github.com/theforeman/puppet-foreman/pull/1045> added

##### #4 - 04/27/2022 07:17 PM - The Foreman Bot

- Fixed in Releases 3.3.0 added

**#5 - 04/27/2022 08:01 PM - Evgeni Golov**

- Status changed from Ready For Testing to Closed

Applied in changeset [puppet-foreman|6b7b05e0dbfdc26623422a9b38979524ac9d29d9](https://github.com/puppet-foreman/puppet-foreman/pull/1049).

**#6 - 05/05/2022 12:43 PM - The Foreman Bot**

- Pull request <https://github.com/theforeman/puppet-foreman/pull/1049> added

**#7 - 05/09/2022 08:39 AM - Evgeni Golov**

- Fixed in Releases 3.1.3 added

**#8 - 05/09/2022 09:19 AM - Evgeni Golov**

- Fixed in Releases 3.2.1 added

**#9 - 05/13/2022 10:58 AM - Amit Upadhye**

- Subject changed from *installer does not restart foreman.service when changing puma configuration* to *Installer does not restart foreman.service when changing Puma configuration*