Foreman - Bug #26828
Cannot unset global http_proxy setting.
05/20/2019 06:42 AM - Marek Hulán

Status: Closed
Priority: Normal
Assignee: Ondřej Ezr
Category: Settings
Target version: 
Difficulty: Pull request: https://github.com/theforeman/foreman/pull/6900
Triaged: No
Bugzilla link: 1710697

Description
Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1710697

Description of problem:
If user set a value for "http_proxy" and then unset it. Satellite will set the http_proxy to "(empty string). This is causing all the outgoing http requests not using proxy including the outgoing traffic to Customer Portal. The katello "cdn_proxy" setting is ignored and Satellite will connect to the Customer Portal directly. Thus, manifest refresh fails.

In "/usr/share/foreman/lib/foreman/http_proxy.rb"

   1. Answers if this request should be proxied
   def proxy_http_request?(current_proxy, request_host, schema)
      !http_proxy.nil? &
   <========== This is using ".nil?" which will return false for empty string. Suggest to use ".blank?" which should fix the issue.
      current_proxy.nil? &&
      !request_host.nil? &&
      http_request?(schema) &&
      http_proxy_host?(request_host) &&
      !local_request?(request_host)
   end

Steps to Reproduce:
1. http_proxy setting is nil in the beginning.
   
   echo "select id,name,value from settings where name = 'http_proxy'" | su postgres
   c 'psql foreman'

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>value</th>
</tr>
</thead>
</table>
   108 | http_proxy | --- ''            |

2. Go to the Setting page set the http_proxy to any url, such as http://proxy.example.com and save it.
   
   echo "select id,name,value from settings where name = 'http_proxy'" | su postgres
   c 'psql foreman'

<table>
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</thead>
</table>
   108 | http_proxy | --- http://proxy.example.com                  |

3. Still in the Setting page unset the http_proxy and save it.
   
   echo "select name,value from settings where name = 'http_proxy'" | su postgres
   c 'psql foreman'

<table>
<thead>
<tr>
<th>name</th>
<th>value</th>
</tr>
</thead>
</table>
   http_proxy | --- |

4. Block your Satellite to connect to the Customer portal directly.

5. Set the cdn_proxy in etc/foreman/plugins/katello.yaml

7. Refresh Manifest and the Foreman task should fail with connection error.

8. Check the production.log, you should see something like.

```bash
[app][I] Proxying request to subscription.rhsm.redhat.com via
```

**Related issues:**
- Related to Foreman - Bug #27293: Empty string setting value should be consistent

**Associated revisions**
- **Revision 8aeb29b2** - 07/15/2019 01:52 PM - Ondřej Ezr
  - Fixes #26828 - expect http_proxy to be empty string (#6900)

**History**

- **#1** - 07/13/2019 05:28 PM - Ondřej Ezr
  - Related to Bug #27293: Empty string setting value should be consistent added

- **#2** - 07/14/2019 02:17 PM - The Foreman Bot
  - Assignee set to Ondřej Ezr
  - Status changed from New to Ready For Testing
  - Pull request https://github.com/theforeman/foreman/pull/6900 added

- **#3** - 07/15/2019 01:53 PM - Marek Hulán
  - Subject changed from Cannot unset global http_proxy setting.
  - to Cannot unset global http_proxy setting.
  - Fixed in Releases 1.23.0 added

- **#4** - 07/15/2019 02:01 PM - Ondřej Ezr
  - Status changed from Ready For Testing to Closed

Applied in changeset 8aeb29b2a2a4ad9bd9787bd8124a47bb46e9aa02.