Foreman - Refactor #34236
Drop require_ssl_smart_proxies setting

01/08/2022 03:20 PM - Ewoud Kohl van Wijngaarden

| Status: | Closed |
| Priority: | Normal |
| Assignee: | Ewoud Kohl van Wijngaarden |
| Category: | Smart Proxy |

Description
From https://community.theforeman.org/t/drop-require-ssl-and-require-ssl-smart-proxies-settings/26772

If this setting is true (the default) The Smart Proxies authenticate using SSL client certificates.

If it’s false, other means can be used. Today reverse DNS can be used (foreman/smart_proxy_auth.rb at bde7047ac8a68a899f6585751093c9713bb92 · theforeman/foreman · GitHub). I’d argue this is unsafe and we should not have this code at all.

It should also be noted that prior to Feature #30779: Use ActionDispatch::RemoteIp when working as a reverse proxy - Foreman users could spoof the remote IP if they came from the local network. That in combination with reverse DNS checks means it’s easy to bypass these security checks. After this, it may actually be that the Katello HTTP reverse proxy setup that it ships opens this security risk. Removing the option for users to shoot themselves in the foot makes the project more secure.

Related issues:
Related to Salt - Refactor #34273: Drop usage of require_ssl_smart_proxies se...  Closed

Associated revisions
Revision 9690f3ae - 01/12/2022 11:30 AM - Ewoud Kohl van Wijngaarden
Fixes #34236 - Drop require_ssl_smart_proxies setting

This defaults to true and setting it to false can create security problems. Mandating client SSL certificates creates a more secure environment.

Previously when require_ssl_smart_proxies was false, reverse DNS was used. This code is dropped as it is insecure. Requests are now denied.

History
#1 - 01/08/2022 03:23 PM - The Foreman Bot
- Assignee set to Ewoud Kohl van Wijngaarden
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/9021 added

#2 - 01/12/2022 11:30 AM - The Foreman Bot
- Fixed in Releases 3.2.0 added
#3 - 01/12/2022 12:01 PM - Ewoud Kohl van Wijngaarden
- Status changed from Ready For Testing to Closed

Applied in changeset foreman|9690f3a6f618f0d41979a167cfe93bd5cc40eab.

#4 - 01/17/2022 11:56 PM - Ondřej Ezr
- Related to Refactor #34273: Drop usage of require_ssl_smart_proxies setting from tests added