Make authentication extendable

Plugins can’t easily extend authentications with their own means of authentication if SSL is used. The reason is that 
#authorize_with_ssl_client before block would always fail on SSL if no client is available. In REX there are use cases where REX 
core worker is authenticated differently (looking at serial number or using token). The authentication methods should not run if other 
authentication method already succeeded. That will also help to avoid running both trusted hosts and ssl auth methods that are built 
in proxy.

Related issues:
- Blocks Foreman Remote Execution - Bug #17249: All in one setup does not work ... Closed
- Related to foreman-tasks - Bug #25001: CVE-2018-14643 rubygem-smart_proxy_dyn... Closed

This patch introduces `Sinatra::Authorization::Helpers` that provide 
`do_authorize*` methods that are not wrapped in the before block. so that 
they their usage is more flexible.

Revisions:
- Revision 56f9095e - 03/08/2019 12:56 PM - Ivan Necas
  Fixes #21605 - more authorization options
  Before this change, when using authorization helpers, one got all or 
nothing, without any chance to use the authorization just of a subset of 
the requests.

  This patch introduces `Sinatra::Authorization::Helpers` that provide 
`do_authorize*` methods that are not wrapped in the before block. so that 
they their usage is more flexible.

- Revision 21642e60 - 03/08/2019 03:12 PM - Lukas Zapletal
  Refs #21605 - remove rubocop metrics

History:
- #1 - 11/08/2017 02:27 PM - Marek Hulán
  - Blocks Bug #17249: All in one setup does not work with regular SSL cert based auth added

- #2 - 11/08/2017 02:28 PM - The Foreman Bot
  - Status changed from New to Ready For Testing
  - Pull request https://github.com/theforeman/smart-proxy/pull/550 added
The proposal was not considered good enough, the authorization mechanism needs a modular and plugin-friendly approach. 
https://github.com/theforeman/smart-proxy/pull/550

#4 - 03/05/2019 03:34 PM - Ivan Necas
- Related to Bug #25001: CVE-2018-14643 rubygem-smart_proxy_dynflow: Authentication bypass in Foreman remote execution feature added

#5 - 03/05/2019 04:02 PM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/smart-proxy/pull/639 added

#6 - 03/08/2019 12:57 PM - Lukas Zapletal
- Fixed in Releases 1.22.0 added

#7 - 03/08/2019 01:01 PM - Ivan Necas
- Status changed from Ready For Testing to Closed

Applied in changeset 56f9095e9d70b6648d45f6754ab7cf4474352c91.

#8 - 03/08/2019 01:15 PM - The Foreman Bot
- Pull request https://github.com/theforeman/smart-proxy/pull/641 added