The configuration option `bmc_credentials_accessible` is described in the manual as follows:

By default passwords stored on BMC network interfaces will be visible to other users who can view the host via the ENC YAML preview and accessible through templates, for the purposes of configuring BMC interfaces automatically.

When set to false, all BMC passwords will be redacted in template and ENC output, preventing both users from viewing the passwords directly and also from configuration (or access) in Puppet and other config management tools using the ENC interface. Foreman will continue to use the stored password for BMC power operations.

Note that setting this to false also requires that safemode_render be enabled, else it could be bypassed.

However this is not completely true, as if this setting is enabled, the power status of a host won't either be displayed in the host view. In other words, if the setting is enabled, `host.bmc_available?` will always return false.

```ruby
def bmc_available?
  ipmi = bmc_nic
  return false if ipmi.nil?
  (ipmi.password.present? && ipmi.username.present? && %w(IPMI Redfish).include?(ipmi.provider)) || ipmi.provider == 'SSH'
end
```

As `ipmi.password` will be `nil` due to

```ruby
def password
  Setting[:bmc_credentials_accessible] ? password_unredacted : nil
end
```

For us this is not expected behaviour, because whereas we'd like the passwords to be scrubbed from ENC output, we'd like to continue to be able to do power operations using the UI, too. For this Foreman must be able to detect a valid BMC interface on the
Shouldn't models/host/managed.rb be using password_unredacted instead?

```ruby
@@ -724,7 +724,7 @@ autopart
@@ -724,7 +724,7 @@ autopart
```

The issue from the console's POV:

```ruby
irb(main):031:0> Host.find_by_name('host.example.ch').bmc_available?
=> false
irb(main):032:0> Setting[:bmc_credentials_accessible] = true
=> true
irb(main):033:0> Host.find_by_name('host.example.ch').bmc_available?
=> true
```

Associated revisions

Revision eb5d51a9 - 11/10/2021 08:31 PM - Nacho Barrientos
Fixes #33826 - Better determine if the host has a BMC interface
Using instead the unredacted password of the BMC interface.

History

#1 - 11/02/2021 10:59 AM - Nacho Barrientos
Internal reference: AI-6169

#2 - 11/02/2021 11:12 AM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/8893 added

#3 - 11/10/2021 08:31 PM - The Foreman Bot
- Fixed in Releases 3.1.0 added

#4 - 11/10/2021 09:01 PM - Nacho Barrientos
- Status changed from Ready For Testing to Closed

Applied in changeset foreman|eb5d51a9325de745236a5f929f6b5ca51b56d532.

#5 - 11/15/2021 01:27 PM - Amit Upadhye
- Category set to BMC