Deployment of Windows servers/clients with Foreman is substantially complicated by the fact that access to the unencrypted root pass inside templates is only possible by exploiting the 'if a password starts with $, leave it alone' mechanism, which means users need to input a root password starting with a $. Windows unattended.xml files require a plaintext or base64-encoded password.

Adding template access to the unencrypted root password by providing a "plaintext" "encryption" option on the host creation page would make Windows deployment much more hassle-free.

I am new to Ruby, but I managed to get something working by modifying the new PasswordCrypt class/service, something like this:

```ruby
class PasswordCrypt
  ALGORITHMS = {'plaintext' => '', 'MD5' => '$1$3$base64', 'SHA256' => '$5$base64', 'SHA512' => '$6$base64'}

  def self.passw_crypt(passwd, hash_alg = 'MD5')
    raise Foreman::Exception.new(format("Unsupported password hash function '%s'\n", hash_alg)) unless ALGORITHMS.has_key?(hash_alg)
    if hash_alg == 'plaintext'
      return passwd.crypt("#{ALGORITHMS[hash_alg]}#{SecureRandom.base64(6)}")
    else
      return passwd
    end
  end

  def self.grub2_passw_crypt(passw)
    self.passw_crypt(passw, 'MD5')
  end
end
```

The only apparent required changes are then to some strings in app/controllers/api/v1/operatingsystems_controller.rb, app/controllers/api/v2/operatingsystems_controller.rb and locale files.

**Related issues:**

- Related to Foreman - Bug #11715: Base64 encoded Passwords get re-encoded on u... Closed 09/07/2015

**Associated revisions**

- Revision 331ff165 - 03/26/2015 01:38 PM - William Hefter
  Fixes #8890 - Allow selection of plaintext "encryption" method for root password

- Revision a09b7410 - 04/09/2015 12:02 PM - William Hefter
  Fixes #8890 - Allow selection of plaintext "encryption" method for root password
History

#1 - 01/14/2015 05:31 AM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/2083 added
- Pull request deleted ()

#2 - 03/26/2015 02:01 PM - William Hefter
- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset 331ff165939399787022e77ad17778e2ac39c148.

#3 - 03/27/2015 05:07 AM - Dominic Cleal
- Assignee set to William Hefter
- Legacy Backlogs Release (now unused) set to 28

#4 - 09/08/2015 02:55 AM - Dominic Cleal
- Related to Bug #11715: Base64 encoded Passwords get re-encoded on unattended/built call added