## Description

Intermittent test failures on Ruby 1.8.7 from the following two native MS DHCP tests:

```ruby
undefined method `[]' for nil:NilClass (NoMethodError)
/var/lib/workspace/workspace/test_proxy_develop_pr_core/puppet/2.6.0/ruby/1.8.7/modules/dhcp_native_ms/dhcp_native_ms_main.rb:148:in `loadRecordOptions'
/var/lib/workspace/workspace/test_proxy_develop_pr_core/puppet/2.6.0/ruby/1.8.7/test/dhcp_ms_native/server_ms_test.rb:188:in `test_records_should_have_options'
```

```ruby
undefined method `[]' for nil:NilClass (NoMethodError)
/var/lib/workspace/workspace/test_proxy_develop_pr_core/puppet/2.6.0/ruby/1.8.7/modules/dhcp_native_ms/dhcp_native_ms_main.rb:148:in `loadRecordOptions'
/var/lib/workspace/workspace/test_proxy_develop_pr_core/puppet/2.6.0/ruby/1.8.7/test/dhcp_ms_native/server_ms_test.rb:196:in `test_records_should_have_options_and_values'
```

It appears that `@subnet_service.all_leases("172.29.205.0").first` is likely returning `nil`.

## Related issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#4148</td>
<td>Resolved</td>
<td>Unable to delete DHCP reservations on MS...</td>
</tr>
<tr>
<td>#5481</td>
<td>Resolved</td>
<td>Foreman Proxy unable to remove DHCP reser...</td>
</tr>
<tr>
<td>#2320</td>
<td>Duplicate</td>
<td>Foreman Proxy on Windows: Vendor Class no...</td>
</tr>
</tbody>
</table>

## Associated revisions

<table>
<thead>
<tr>
<th>Revision</th>
<th>Author</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>62c9e22d</td>
<td>Dmitri Dolguikh</td>
<td>Fixes #13129: fixes intermittent test failures in ms dhcp server</td>
</tr>
</tbody>
</table>

On older rubies the order of keys after hashmap merge is non-deterministic, leading to intermittent test errors in this bit of code:

```
https://github.com/theforeman/smart-proxy/commit/62c9e22d#diff-153f490da42393fc00b0e0125a5d53cR265
```

This code is broken (there are several reports about broken behaviour:

- [http://projects.theforeman.org/issues/10556](http://projects.theforeman.org/issues/10556)
- [http://projects.theforeman.org/issues/5481](http://projects.theforeman.org/issues/5481)
- [http://projects.theforeman.org/issues/4148](http://projects.theforeman.org/issues/4148), to fix the tests the option parser has been modified.
#1 - 01/19/2016 08:32 AM - The Foreman Bot
- Status changed from New to Ready For Testing
- Assignee set to Dmitri Dolguikh
- Pull request https://github.com/theforeman/smart-proxy/pull/362 added

#2 - 01/19/2016 08:34 AM - Dmitri Dolguikh
- Related to Bug #4148: Unable to delete DHCP reservations on MS DCHP servers added

#3 - 01/19/2016 08:36 AM - Dmitri Dolguikh
- Related to Bug #5481: Foreman Proxy unable to remove DHCP reservation: "IP / mac - is static - unable to delete" added

#4 - 01/21/2016 09:51 AM - Dominic Cleal
- Category changed from Tests to DHCP
- Legacy Backlogs Release (now unused) set to 123

#5 - 01/21/2016 10:02 AM - Anonymous
- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset b9309bfbe45ea2f2517f086e1de712ecf9c2e1d.

#6 - 02/29/2016 10:09 AM - Dmitri Dolguikh
- Related to Bug #2320: Foreman Proxy on Windows: Vendor Class not found Error added