Foreman - Bug #21580

Compute attributes returned from api need to be normalized

11/05/2017 11:06 PM - Tomáš Strachota

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Tomáš Strachota</td>
</tr>
<tr>
<td>Category:</td>
<td>Compute resources</td>
</tr>
<tr>
<td>Target version:</td>
<td>1.19.0</td>
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<tr>
<td>Difficulty:</td>
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<td>Triaged:</td>
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<td>Bugzilla link:</td>
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<td>Fixed in Releases:</td>
<td>1.19.0</td>
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<td>Found in Releases:</td>
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Description
Foreman saves compute attributes as a serialized hash that comes directly from the compute attribute form without any pre-processing. Read API returns that hash as is. This approach has several negative side effects. The API response is significantly different from what foreman standardly returns and is quite difficult to use.

Following issues in compute attributes API responses should be fixed:

- fields containing IDs must be named as "*_id"
- the API must provide "*_name" alternatives for all "*_id" fields (where possible) and vice versa
- memory and storage sizes must be provided in common format and units
- empty strings saved from empty form fields must be mapped to nil
- collections must be consistently returned either as a numbered hash or an array
- field names must be in snake case
- boolean values saved as strings like "1", "0", "true", "false" must be casted to true/false
- nics_attributes vs interfaces_attributes must be consistent

Related issues:
- Related to Foreman - Bug #22037: Compute attributes create and update API mis... New 12/20/2017
- Blocks Hammer CLI - Feature #6344: Commands for read operations around comput... Closed

Associated revisions
Revision 56de025f - 06/04/2018 12:19 PM - Tomáš Strachota
Fixes #21580 - normalize compute attributes (#4980)

Normalizes compute attributes in API show actions. For backwards compatibility reasons this patch adds a new rabl node instead of replacing 'vm_attrs'.

Revision 0cab9e6b - 06/07/2018 01:57 PM - Tomáš Strachota
Refs #21580 - require rbvmomi

The compute resource for VMware was using rbvmomi classes without explicitly requiring rbvmomi. That can cause issues in tests.

History
#1 - 11/05/2017 11:07 PM - Tomáš Strachota
- Blocks Feature #6344: Commands for read operations around compute profiles and attributes added

#2 - 11/06/2017 01:45 PM - Tomáš Strachota
- Description updated

#3 - 11/08/2017 03:11 PM - The Foreman Bot
- Status changed from Assigned to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/4980 added

#4 - 11/21/2017 07:53 AM - Marek Hulán
- Target version changed from 1.16.2 to 1.16.1

#5 - 12/12/2017 11:52 AM - Marek Hulán
- Target version changed from 1.16.1 to 238

#6 - 12/20/2017 09:48 AM - Tomáš Strachota
- Related to Bug #22037: Compute attributes create and update API miss validations added

#7 - 06/04/2018 12:20 PM - Marek Hulán
- Legacy Backlogs Release (now unused) set to 353

#8 - 06/04/2018 01:01 PM - Tomáš Strachota
- % Done changed from 0 to 100
- Status changed from Ready For Testing to Closed

Applied in changeset 56de025f01036d037d5bca5ac263aba3e6dbe99f.

#9 - 06/06/2018 12:40 PM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/5659 added