New OS created due to facts mismatch for operating system for RHSM, Puppet and Ansible

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
<td>Marek Hulán</td>
</tr>
<tr>
<td>Category:</td>
<td>Facts</td>
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<tr>
<td>Target version:</td>
<td></td>
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<td>Difficulty:</td>
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<tr>
<td>Pull request:</td>
<td><a href="https://github.com/theforeman/foreman/pull/8943">https://github.com/theforeman/foreman/pull/8943</a></td>
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<td>Triaged:</td>
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<td>Found in Releases:</td>
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<tr>
<td>Fixed in Releases:</td>
<td>3.1.1, 3.2.0</td>
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<tr>
<td>Bugzilla link:</td>
<td>2025437</td>
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</table>

**Description**
Cloned from [https://bugzilla.redhat.com/show_bug.cgi?id=2025437](https://bugzilla.redhat.com/show_bug.cgi?id=2025437)

**Description of problem:**
- When rhsm or puppet is sending facts for the OS it updates the facts to the name of "RedHat".
- If an Ansible role is later run it uses "RedHatEnterprise" (RHEL 8) or "RedHatEnterpriseServer" (RHEL 7).

**Version-Release number of selected component (if applicable):**
- Satellite 6.10.1

**How reproducible:**
- The OS is created automatically in Hosts => Operating Systems
- To check for the name go into each OS and check the Name field

**Steps to Reproduce:**
1. Register RHEI 8 client to Satellite
2. Run "subscription-manager facts --update"
3. The OS should be set to an OS which Name is "RedHat"
4. Run any playbook on the client that gathers facts
5. The OS for the client is updated to an OS that has "RedHatEnterprise" in its name

**Actual Results:**
If the option "ignore_facts_for_operating system" is set to "no" (default) the OS for a client is updated to the last fact that was reported. This leads to the OS for a client to constantly switch between the different OS and double the OS entries created than required.

**Expected Results:**
The Ansible reported fact for OS should be matched to the one that is reported by RHSM or Puppet.

**Additional info:**
- The fact matcher for Ansible seems to use ansible_lsb.id which delivers different values'

**Related issues:**
Copied from Ansible - Bug #33980: New OS created due to facts mismatch for op...  Closed

**Associated revisions**
Revision aeaad75c - 11/24/2021 11:45 AM - Marek Hulán
Fixes #33981 - fix the RHEL OS name parsing

When the parser lived in the foreman_ansible plugin, it started to prefer the lsb facts over the distribution one, which is correct behavior. See [https://github.com/theforeman/foreman_ansible/commit/3ba50f37a00b55c9695b5e0cb80967f9ab532f8](https://github.com/theforeman/foreman_ansible/commit/3ba50f37a00b55c9695b5e0cb80967f9ab532f8) for more details.

However the Red Hat Enterprise Linux is reported as either RedHatEnterprise for RHEL 8 or RedHatEnterpriseServer or
RedHat Enterprise Workstation for RHEL 7. When user has more fact sources like RHSM or Puppet, the host flips between 2 operating systems. This add the additional mapping of these extra values.

It also adds anonymized facts snapshots from RHEL 7 and RHEL 8 machines.

History

#1 - 11/23/2021 01:18 PM - Marek Hulán
- Copied from Bug #33980: New OS created due to facts mismatch for operating system for RHSM, Puppet and Ansible added

#2 - 11/23/2021 02:04 PM - The Foreman Bot
- Assignee set to Marek Hulán
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/8943 added

#3 - 11/24/2021 11:45 AM - The Foreman Bot
- Fixed in Releases 3.2.0 added

#4 - 11/24/2021 12:01 PM - Marek Hulán
- Status changed from Ready For Testing to Closed

Applied in changeset foreman|aeaad75c78261f39e4193f78bbe37595dd327737.

#5 - 12/11/2021 04:18 PM - Ondřej Ezr
- Fixed in Releases 3.1.1 added

#6 - 12/11/2021 04:18 PM - Ondřej Ezr
- Bugzilla link set to 2025437