

Foreman - Bug #8017

*_ids attributes have to be wrapped in an extra hash

10/21/2014 11:56 AM - Dominic Cleal

Status:	Duplicate	
Priority:	Normal	
Assignee:	Joseph Magen	
Category:	API	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:	1151220	Red Hat JIRA:
Pull request:		

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1151220

Description of problem:

Clients must submit a nested hash of attributes to certain API URLs.

For example, POSTing this data to the `/architectures` URL will succeed:

```
{'name': 'foo'}
```

However, these operating system IDs will be silently ignored:

```
{'name': 'foo', 'operatingsystem_ids': [1, 2, 3]}
```

A client can hack around this oddity by wrapping submitted data inside an extra hash:

```
{'architecture': {'name': 'foo', 'operatingsystem_ids': [1, 2, 3]}}
```

This extra hash should not be necessary. It makes the API harder to use, and the extra hash is only required for some API calls.

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

This was tested against a system running Satellite 6.0.4, running the following software:

- candlepin-0.9.23-1.el7.noarch
- candlepin-common-1.0.1-1.el7.noarch
- candlepin-guice-3.0-2_redhat_1.el7.noarch
- candlepin-scl-1-5.el7.noarch
- candlepin-scl-quartz-2.1.5-6.el7.noarch
- candlepin-scl-rhino-1.7R3-3.el7.noarch
- candlepin-scl-runtime-1-5.el7.noarch
- candlepin-selinux-0.9.23-1.el7.noarch
- candlepin-tomcat-0.9.23-1.el7.noarch
- elasticsearch-0.90.10-6.el7sat.noarch
- foreman-1.6.0.46-1.el7sat.noarch
- foreman-compute-1.6.0.46-1.el7sat.noarch
- foreman-gce-1.6.0.46-1.el7sat.noarch
- foreman-libvirt-1.6.0.46-1.el7sat.noarch
- foreman-ovirt-1.6.0.46-1.el7sat.noarch
- foreman-postgresql-1.6.0.46-1.el7sat.noarch
- foreman-proxy-1.6.0.30-1.el7sat.noarch
- foreman-selinux-1.6.0.14-1.el7sat.noarch
- foreman-vmware-1.6.0.46-1.el7sat.noarch
- katello-1.5.0-30.el7sat.noarch
- katello-certs-tools-1.5.6-1.el7sat.noarch
- katello-default-ca-1.0-1.noarch
- katello-installer-0.0.64-1.el7sat.noarch
- katello-server-ca-1.0-1.noarch
- openldap-2.4.39-3.el7.x86_64

- pulp-katello-0.3-4.el7sat.noarch
- pulp-nodes-common-2.4.1-0.7.beta.el7sat.noarch
- pulp-nodes-parent-2.4.1-0.7.beta.el7sat.noarch
- pulp-puppet-plugins-2.4.1-0.7.beta.el7sat.noarch
- pulp-puppet-tools-2.4.1-0.7.beta.el7sat.noarch
- pulp-rpm-plugins-2.4.1-0.7.beta.el7sat.noarch
- pulp-selinux-2.4.1-0.7.beta.el7sat.noarch
- pulp-server-2.4.1-0.7.beta.el7sat.noarch
- python-ldap-2.4.6-6.el7.x86_64
- ruby193-rubygem-net-ldap-0.3.1-3.el7sat.noarch
- ruby193-rubygem-runcible-1.1.0-2.el7sat.noarch

How reproducible:

100%, but only for some URLs. The following URLs are currently known to require this workaround:

- architectures
- media
- operatingsystems

Steps to Reproduce:

See "description of problem" at top of bug report.

Actual results:

An extra hash is required.

Expected results:

No extra hash is required.

Additional info:

The following is taken from the log file. It shows what the server receives when processing a POST call to ``/api/v2/architectures``.

```
Processing by Api::V2::ArchitecturesController#create as JSON
Parameters: {"name"=>"&lt;U+FA685&gt;\u{BCF6F}
```

Related issues:

Is duplicate of Foreman - Bug #6991: API v2 - support unwrapped POST/PUT para...

New

08/07/2014

History

#1 - 10/21/2014 11:58 AM - Dominic Cleal

- Subject changed from *Some API URLs require messages be wrapped in an extra hash.* to **_ids attributes have to be wrapped in an extra hash*
- Category set to API
- Assignee deleted (Bryan Kearney)

The second example should work as well as the third, our controllers are meant to wrap this automatically.

#2 - 10/23/2014 04:18 AM - Joseph Magen

- Status changed from *New* to *Assigned*
- Assignee set to Joseph Magen

This PR should solve it <https://github.com/theforeman/foreman/pull/1668> - fixes #6991 - API v2 - support unwrapped POST/PUT parameters even though it's not documented

#3 - 10/23/2014 04:20 AM - Dominic Cleal

- Is duplicate of Bug #6991: API v2 - support unwrapped POST/PUT parameters even though it's not documented added

#4 - 10/23/2014 04:20 AM - Dominic Cleal

- Status changed from *Assigned* to *Duplicate*

Ah thanks Joseph.