API Support for easier use of Smart-Class Param Overrides

12/28/2017 11:58 AM - Iain Walmsley

Status: Closed
Priority: Normal
Assignee: API
Category: API
Target version: 1.20.0
Difficulty:
Pull request: https://github.com/theforeman/foreman/pull/5242
Triaged: No
Bugzilla link: 1614768

Description

Similar to #15003 around using Hammer to remove smart-class param overrides to hosts.

Currently there is a trivial API call to add an override by FQDN for a specific host - this is very useful for us;

```
-X POST --/api/v2/puppetclasses/:puppetclass_name/smart_class_parameters/:parameter_name/override_values -d '{"match":"fqdn=:hostname","value":":parameter_value"}'}
```

Examples:

```
-X POST --/api/v2/puppetclasses/apache::vhost/smart_class_parameters/port/override_values -d '{"match":"fqdn=myhost1","value":"4055"}'}
```

This is really nice and clean way of assigning values to hosts on a single basis, particularly when interfacing with external systems.

However when it comes to changing or removing this override, the calls are more elaborate, as you need to know both the specific numeric ID of the parameter, as well as the numeric ID of the override itself.

Examples:

```
-X PUT --/api/v2/smart_class_parameters/412/override_values/1021 -d '{"override_value":{"match":"fqdn=myhost1","value":"4056"}}'}
-X DELETE --/api/v2/smart_class_parameters/412/override_values/1021
```

This means external systems need to cache a list potentially of all override ids, parse and choose the related one.

Hence I would like to be able to edit using the same call as adding an override, or equivalent functionality for delete, eg.

```
-X PUT --/api/v2/puppetclasses/apache::vhost/smart_class_parameters/port/override_values -d '{"match":"fqdn=host1","value":"4057"}'}
```

Related issues:

Related to Foreman - Bug #26232: Override Values API - request fails if the m... Closed

Associated revisions
Having looked into this further, the suggestion above clearly won't work. Instead, enabling friendlyid for LookupValue and allowing overriding API calls to accept the match as the friendly name is a possibility? I have added a PR for this.

The match is unique per lookup key and the unit tests which use to_param automatically use the match string which appears to be working. However, I wasn't sure if there was another way this should be being done or there's a reason this hasn't been implemented yet? If someone could have a look and advise me that'd be great.

Whatever the case, it would help hugely as setting individual overrides on hosts at the moment using the API is very clunky, especially when getting external systems to interface.

#3 - 02/07/2018 01:54 PM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/5242 added

#4 - 08/07/2018 02:10 PM - Daniel Lobato Garcia
- Target version set to 1.20.0
- Fixed in Releases 1.20.0 added

#5 - 08/07/2018 03:01 PM - Iain Walmsley
- Status changed from Ready For Testing to Closed

Applied in changeset 6e3859548fba65a049f6b8933f7ddae67994b4ea.

#6 - 08/10/2018 11:46 AM - Bryan Kearney
- Bugzilla link set to 1614768

#7 - 01/15/2019 03:13 PM - Jitendra Yejare
jlain,

Just wanted to know the verification steps to verify this bug in downstream. Can you please provide the same?

#8 - 03/05/2019 09:40 AM - Ori Rabin
- Related to Bug #26232: Override Values API - request fails if the matcher attribute name has space or dot(,) character added