Description of problem:
Satellite upgrade from 6.5.x to 6.6 causes strings being converted in booleans which in turn causes puppet failures.

How reproducible:
100%

Steps to Reproduce:
1. Parameter String with value yes
2. Upgrade Satellite 6.5 to 6.6
3. Parameter becomes Boolean with value true

Actual results:
Parameter becomes Boolean with value true

```
https://github.com/theforeman/foreman/pull/5241/files#diff-b3682057e8f9486a9c336512544e9ee8R48
```

```
def override_key_type_and_value(param):
  key_type_name = 'string'
  value = YAML.load(param.value)

  if value == 'no':
    value = false
  else:
    key_type_name = value.is_a?(Hash) ? 'yaml' : find_key_type(value)

  return key_type_name
```

```
key_type_name = value.is_a?(Hash) ? 'yaml' : find_key_type(value)  
<<<<<find_key_type function call.
```
Foreman-rake console output

```
irb(main):031> Parameter.unscoped.value
=> "no"

irb(main):032> value = YAML.load Parameter.unscoped.value

=> false
```
And then we have the function return the value as boolean

```ruby
~ ~
def find_key_type(param_value)
    return 'boolean' if [true, false].include?(param_value)

    param_value.class.name.underscore.humanize.downcase

end
```
**Expected results:**
Parameter stays String with value true

**Additional info:**
This change was introduced because of an RFE to have more types supported for parameters.

Currently "string" is the only parameter type supported in hostgroup parameters on foreman 1.3. Our customers desperately need to put Array and Boolean type of parameters (possibly other types as well) into the hostgroup for better puppet parameter management of they application clusters. Since multiple parameter types are supported in Smart Variables, why the hostgroup parameters (as well host parameter) have to stuck with just one type (string).
Associated revisions

Revision c8ba2c05 - 10/27/2019 01:42 PM - Kavita Gaikwad

Fixes #28129 - revert param migration of type casting

With this commit, reverting parameter migration. Instead of this migration, added rake task to cast type and update value to formatted value.

History

#1 - 10/25/2019 08:07 AM - Kavita Gaikwad
- Assignee set to Kavita Gaikwad

#2 - 10/25/2019 08:22 AM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/7129 added

#3 - 10/27/2019 01:38 PM - Tomer Brisker
- Related to Feature #4127: Array, Boolean and other types support in "hostgroup parameters" added

#4 - 10/27/2019 01:42 PM - The Foreman Bot
- Fixed in Releases 2.0.0 added

#5 - 10/27/2019 01:47 PM - Tomer Brisker
- Fixed in Releases 1.22.2, 1.23.1, 1.24.0 added
- Fixed in Releases deleted (2.0.0)

#6 - 10/27/2019 02:02 PM - Kavita Gaikwad
- Status changed from Ready For Testing to Closed

Applied in changeset c8ba2c059cbdafa625fba46b6d5a2c1a7fbd9b8d.

#7 - 10/30/2019 02:55 PM - Tomer Brisker
- Category set to DB migrations