Foreman - Refactor #34569

Postpone LookupValue match validations

03/07/2022 09:27 PM - Ondřej Ezr

Status:	Closed		
Priority:	Normal		
Assignee:	Ondřej Ezr		
Category:	Rails		
Target version:			
Difficulty:		**Fixed in Releases:**	3.3.0
Triaged:	No	**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/9137		

Description

match gets overriden by Rails if the record has been build by association e.g. `host.lookup_values.build()`
That basically means that any assigned value to match prior save is irrelevant because it will be replaced by Rails.

This was never an issue, because Rails just replaced the value with the same value as we've assigned, so it went unnoticed.
It only starts to cause issues once Rails had fixed a bug where it wrongly allowed foreign_key to be passed to
<assoc>.build(foreign_key => value)
This is for sym vs string in hash keys as in
https://github.com/rails/rails/blob/13cdd7a6aef86b23c3410adff1d4f6eeefc72c67/activerecord/lib/active_record/associations/association.rb#L196 reflection.foreign_key returned a symbol, but attribute is a string, so the assigned foreign key did not get filtered out
properly.

This bug had been fixed in Rails 6.1 and the assigned foreign key is filtered out properly and our validations fail on presence of
match as that gets assigned from host only after the Host is saved and thats after validation.

Related issues:

Blocks Foreman - Tracker #28570: Rails 6.1 Tracker		**Closed**

Associated revisions

Revision 5a77b476 - 03/21/2022 01:00 PM - Ondřej Ezr

Fixes #34569 - postpone LookupValue#match validations

Validation for presence of foreign_key has to be postponed because of Rails internals.

association.build() filters out foreign_key for given association because it assigns the value for that key after the main record gets saved.
This filtering did not work properly until Rails 6.1, thus we did not notice and thought it works.

Since Rails 6.1
https://github.com/rails/rails/blob/13cdd7a6aef86b23c3410adff1d4f6eeefc72c67/activerecord/lib/active_record/associations/association.rb#L196
works properly
and returns `foreing_key` in string format and thus filters out attributes from hashes where those passed as string keys.

All other validations can be run during validation if those allow nil value as the Rails assigned key should not need validation.

History

#1 - 03/07/2022 09:35 PM - The Foreman Bot

- Status changed from New to Ready For Testing

- Assignee set to Ondřej Ezr

- Pull request https://github.com/theforeman/foreman/pull/9137 added

#2 - 03/07/2022 09:42 PM - Ondřej Ezr

- Parent task set to #28570

#3 - 03/07/2022 09:46 PM - Ondřej Ezr

- Parent task deleted (#28570)

#4 - 03/07/2022 09:46 PM - Ondřej Ezr

- Blocks Tracker #28570: Rails 6.1 Tracker added

#5 - 03/21/2022 01:00 PM - The Foreman Bot

- Fixed in Releases 3.3.0 added

#6 - 03/21/2022 02:01 PM - Ondřej Ezr

- Status changed from Ready For Testing to Closed

Applied in changeset [foreman|5a77b476fca4ae005b0edfe15647f55ce7a42ad5](#).