

Foreman - Refactor #13897

Explicitly set :limit on all DB migrations adding string columns

02/25/2016 05:53 AM - Dominic Cleal

Status: Closed	
Priority: Normal	
Assignee: Dominic Cleal	
Category: DB migrations	
Target version: 1.12.0	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request: https://github.com/foreman/foreman/pull/3261	
Description	
Rails 4.2 changes the default options for string columns in DB migrations, removing the default limit of 255 characters for PostgreSQL and SQLite adapters (it remains for MySQL, since that's the limit of a VARCHAR).	
http://edgeguides.rubyonrails.org/4_2_release_notes.html#active-record-notable-changes	
All of our existing DB migrations should be changed to set :limit => 255 on add_column .. :string calls if no limit is already set. This will ensure that a database created on earlier versions will be exactly the same as one created on Rails 4.2.	
I don't think we should change the limits of any columns while doing this, just be explicit about what limit they currently have. If we want to change limits, that should be done as an additional DB migration so the behaviour across versions is consistent.	
Related issues:	
Related to Katello - Refactor #14025: Specify string column limits	Closed 03/02/2016
Blocks Foreman - Feature #13244: Upgrade Ruby on Rails to 4.2	Closed 01/15/2016

Associated revisions

Revision 3339b4d8 - 03/02/2016 09:56 AM - Dominic Cleal

fixes #13897 - explicitly set limit on string columns

Rails 4.2 removes the default limit of 255 characters on PostgreSQL and SQLite DB adapters, causing migrations on empty DBs to create columns with no limit. The MySQL adapter does not do this, as VARCHAR is limited to 255 characters.

To keep the database schema identical no matter which version or adapter is in use, specify the existing column limits explicitly on all add_column calls. This doesn't intend to resize any columns, which should be done with additional DB migrations.

History

#1 - 02/25/2016 05:53 AM - Dominic Cleal

- Blocks Feature #13244: Upgrade Ruby on Rails to 4.2 added

#2 - 03/01/2016 09:22 AM - Dominic Cleal

- Status changed from New to Assigned

- Assignee set to Dominic Cleal

#3 - 03/01/2016 10:07 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request <https://github.com/foreman/foreman/pull/3261> added

#4 - 03/02/2016 10:01 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [3339b4d8921e59e2b4d4b73eee5d234186b9d5b4](#).

#5 - 03/02/2016 01:03 PM - David Davis

- Related to Refactor #14025: Specify string column limits added

#6 - 03/03/2016 06:00 AM - Dominic Cleal

- translation missing: en.field_release set to 136