Foreman - Bug #18067

ActiveRecord::RecordNotUnique: Mysql2::Error: Duplicate entry '36114' for key 'PRIMARY':

01/13/2017 06:16 AM - Florian Faltermeier

Status:	Resolved		
Priority:	Normal		
Assignee:			
Category:	DB migrations		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	1.13.3
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Hello,

If I try to Migrate my DB from Postgres to MysQL I get an error.

foreman-rake db:migrate RAILS_ENV=production
foreman-rake db:migrate RAILS_ENV=development
foreman-rake db:convert:prod2dev

database.yml

production:
adapter: postgresql
database: foreman
username: foreman
password: "password"
pool: 5

development:
adapter: mysql2
database: foreman
username: foreman
password: "password"
pool: 5

foreman-rake db:convert:prod2dev --trace

- Invoke db:convert:prod2dev (first_time)
- Invoke environment (first_time)
- Execute environment
- Execute db:convert:prod2dev
  Converting audits...rake aborted!
  ActiveRecord::RecordNotUnique: Mysql2::Error: Duplicate entry '36114' for key 'PRIMARY': INSERT INTO `audits` (`id`, `auditable_id`, `auditable_type`, `username`, `action`, `audited_changes`, `version`, `created_at`, `remote_address`, `auditable_name`) VALUES (36114, 152, 'Host', 'API Admin', 'update', '---\nprimary_interface:\n- eth0_sip\n- eth0\n', 526, '2016-06-18 09:51:55', '192.168.0.1', 'test.example')
  /opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/connection_adapters/abstract_mysql_adapter.rb:305:in `query'
  /opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/connection_adapters/abstract_mysql_adapter.rb:305:in `block in execute'
  /opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/connection_adapters/abstract_adapter.rb:472:in `block in log'
  /opt/rh/sclo-ror42/root/usr/share/gems/gems/activesupport-4.2.5.1/lib/active_support/notifications/instrumenter.rb:20:in `instrument'
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  /opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/connection_adapters/abstract_mysql_adapter

.rb:305:in `execute'
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/opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/transactions.rb:351:in `block in with_transaction_returning_status'
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/opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/transactions.rb:285:in `save'
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/usr/share/foreman/lib/tasks/convert.rake:83:in `each'
/usr/share/foreman/lib/tasks/convert.rake:83:in `block (3 levels) in <top (required)>'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/task.rb:240:in `call'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/task.rb:240:in `block in execute'
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/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/task.rb:179:in `block in invoke_with_call_chain'
/opt/rh/rh-ruby22/root/usr/share/ruby/monitor.rb:211:in `mon_synchronize'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/task.rb:172:in `invoke_with_call_chain'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/task.rb:165:in `invoke'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/application.rb:150:in `invoke_task'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/application.rb:106:in `block (2 levels) in top_level'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/application.rb:106:in `each'

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/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/application.rb:100:in `top_level'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/application.rb:78:in `block in run'
/opt/rh/rh-ruby22/root/usr/share/gems/gems/rake-10.4.2/lib/rake/application.rb:176:in `standard_exception_handling'
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/opt/rh/sclo-ror42/root/usr/share/gems/gems/activerecord-4.2.5.1/lib/active_record/connection_adapters/abstract_mysql_adapter.rb:305:in `query'
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184:in `within_new_transaction'
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/opt/rh/rh-ruby22/root/usr/bin/rake:33:in `<main>'
Tasks: TOP => db:convert:prod2dev
```

Regards,
Florian

History

#1 - 01/13/2017 06:22 AM - Dominic Cleal

Is the target audits table definitely empty before you run prod2dev?

Are there two entries for key 36114 in the source database's audit table?

It's unlikely that the rake task is importing the same entry twice - more likely one of the above.

#2 - 01/13/2017 07:43 AM - Florian Faltermeier

Dominic Cleal wrote:

> Is the target audits table definitely empty before you run prod2dev?
>
> Are there two entries for key 36114 in the source database's audit table?
>
> It's unlikely that the rake task is importing the same entry twice - more likely one of the above.

Hi Dominic,

thank you for your fast response. I've checked the source database, there is just one entry with this key. The target audits table isn't empty.
Some entries would be created during the foreman-rake db:migrate RAILS_ENV=development task.

Regards,
Florian

#3 - 01/13/2017 07:54 AM - Florian Faltermeier

Florian Faltermeier wrote:

> Dominic Cleal wrote:
>
> > Is the target audits table definitely empty before you run prod2dev?
> >
> > Are there two entries for key 36114 in the source database's audit table?
> >
> > It's unlikely that the rake task is importing the same entry twice - more likely one of the above.

Hi Dominic,

thank you for your fast response. I've checked the source database, there is just one entry with this key. The target audits table isn't empty. Some entries would be created during the foreman-rake db:migrate RAILS_ENV=development task.

Regards,
Florian

I've cleaned up the whole audits table on the target db but the error still occurs.

#4 - 01/13/2017 08:27 AM - Florian Faltermeier

Florian Faltermeier wrote:

> Florian Faltermeier wrote:
>
>> Dominic Cleal wrote:
>>
>>> Is the target audits table definitely empty before you run prod2dev?
>>>
>>> Are there two entries for key 36114 in the source database's audit table?
>>>
>>> It's unlikely that the rake task is importing the same entry twice - more likely one of the above.
>>
>> Hi Dominic,
>>
>> thank you for your fast response. I've checked the source database, there is just one entry with this key. The target audits table isn't empty. Some entries would be created during the foreman-rake db:migrate RAILS_ENV=development task.
>>
>> Regards,
>> Florian
>
> I've cleaned up the whole audits table on the target db but the error still occurs.

Hi dominic,

I've checked the rows in the source db audits table. 73329 rows.
After increasing the PAGE_SIZE it's working. (trying to avoid pagination) e.g. PAGE_SIZE = 1000000

Next break:

Converting logs...rake aborted!
ActiveRecord::StatementInvalid: Mysql2::Error: Lock wait timeout exceeded; try restarting transaction: DELETE FROM `logs`

source database logs table:

select count(*) from logs;
count

3732574

Can I delete the logs table?

Regards,
Florian

#5 - 09/19/2017 05:55 AM - Florian Faltermeier

- Status changed from New to Resolved

#6 - 09/19/2017 10:11 AM - Ivan Necas

Florian: could you put some notice on how the issue was resolved for the future users that might potentially run into the issue? Thanks