

Installer - Bug #11681

foreman, candlepin, gutterball databases use default encoding vs explicit UTF8

09/03/2015 03:11 PM - Ivan Necas

Status:	Closed	
Priority:	Normal	
Assignee:	Ivan Necas	
Category:	Foreman modules	
Target version:	1.10.0	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:	1255520	Red Hat JIRA:
Pull request:	https://github.com/theforeman/puppet-foreman/pull/356	

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1255520

Description of problem:

It appears when we create the foreman, gutterball and candlepin databases we might be using the default postgresql encoding for the db's vs explicitly forcing UTF8. This is causing issues during errata input:

```
/opt/rh/ruby193/root/usr/share/ruby/rake/application.rb:63:in `run'
/opt/rh/ruby193/root/usr/bin/rake:32:in `'
caused by: (ActiveRecord::StatementInvalid) PGError: ERROR: character with byte sequence 0xe2 0x80 0x98 in encoding "UTF8"
has no equivalent in encoding "LATIN1"
: UPDATE "katello_errata" SET "issued" = '2011-03-10', "severity" = "", "title" = 'strace bug fix update', "reboot_suggested" = 'f',
"updated" = '2011-05-19', "description" = 'The strace program intercepts and records the system calls called and received
by a running process. It can print a record of each system call, its arguments
and its return value.
:::
/opt/rh/ruby193/root/usr/share/gems/gems/katello-2.2.0.66/lib/katello/tasks/reindex.rake:37:in `index_objects'
... skipped 19 lines
caused by: (PGError) ERROR: character with byte sequence 0xe2 0x80 0x98 in encoding "UTF8" has no equivalent in encoding
"LATIN1"

... skipped 47 lines
Tasks: TOP => katello:reindex
[ lo1-padm-sat-3 ] #
```

I have researched several reports from your knowledge database with errata_import failing on upgrade from 6.0.8 to 6.1 but none of them correspond with the error:

caused by: (PGError) ERROR: character with byte sequence 0xe2 0x80 0x98 in encoding "UTF8" has no equivalent in encoding "LATIN1"

and it seems to be on the latest available packages. The Satellite 6.1 server cannot be used usefully at the moment as there is no errata!!!

Is this of assistance:

```
bash 4.2$ psql -l
```

List of databases

Name	Owner	Encoding	Collate	Ctype	Access privileges
candlepin	postgres	LATIN1	en_GB.ISO8859-1	en_GB.ISO8859-1	=T/postgres +
foreman	foreman	LATIN1	en_GB.ISO8859-1	en_GB.ISO8859-1	=T/foreman +
gutterball	postgres	LATIN1	en_GB.ISO8859-1	en_GB.ISO8859-1	=T/postgres +
template0	postgres	LATIN1	en_GB.ISO8859-1	en_GB.ISO8859-1	=c/postgres +

```
| postgres=CtC/postgres
template1 | postgres | LATIN1 | en_GB.ISO8859-1 | en_GB.ISO8859-1 | =c/postgres + | | | |
| postgres=CtC/postgres
```

From the following I am not seeing an explicit UTF8 creation,

<https://github.com/foreman/puppet-foreman/blob/master/manifests/database/postgresql.pp>

Related issues:

Related to Installer - Bug #13496: foreman-installer error when locale is not...	New	02/01/2016
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Associated revisions

Revision 2b101b79 - 09/03/2015 03:35 PM - Ivan Necas

Refs #11681 - Explicitly use UTF-8 as postgres database encoding

Revision dce8c469 - 09/03/2015 07:31 PM - Ivan Necas

Refs #11681 - Explicitly use UTF-8 as postgres database encoding

Revision 4e3f6957 - 09/07/2015 07:51 AM - Ivan Necas

Merge pull request #26 from iNecas/postgres-encoding

Refs #11681 - Explicitly use UTF-8 as postgres database encoding

History

#1 - 09/04/2015 03:02 AM - Dominic Cleal

- *Project changed from Foreman to Installer*
- *Category set to Foreman modules*
- *Status changed from New to Closed*
- *Priority changed from High to Normal*
- *% Done changed from 0 to 100*
- *translation missing: en.field_release set to 63*
- *Pull request <https://github.com/foreman/puppet-foreman/pull/356> added*
- *Pull request deleted ()*

#2 - 02/01/2016 10:47 AM - Dominic Cleal

- *Related to Bug #13496: foreman-installer error when locale is not en_US.utf8 added*