

Database - Bug #3960

localedef problems in Ubuntu 18.04

03/14/2019 09:46 AM - Greg Shah

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Greg Shah	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 03/14/2019 09:51 AM - Greg Shah

I had a fully functioning PostgreSQL 9.5 environment for FWD in Ubuntu 16.04.

I recently upgraded to Ubuntu 18.04. I found that my v9.5 FWD cluster no longer starts. The error is related to the en_us@p2j_basic locale. When I checked, I found the locale was missing. So I tried to recreate it.

When I run this command:

```
sudo localedef -c -f ISO-8859-1 -i en_US@p2j_basic /usr/lib/locale/en_US@p2j_basic/
```

It generates these errors:

```
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_CTYPE'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_NUMERIC'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_TIME'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_COLLATE'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_MONETARY'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_MESSAGES'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_PAPER'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_NAME'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_ADDRESS'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_TELEPHONE'  
[error] LC_IDENTIFICATION: unknown standard `en_US@p2j_basic:2016' for category `LC_IDENTIFICATION'
```

It seems to reference this part of our definition:

LC_IDENTIFICATION

```
title "English locale for the USA using P2J basic collation"  
source "Golden Code Development Corporation"  
address "5450 McGinnis Village Place, Alpharetta, GA 30005, USA"  
contact ""  
email "info@goldencode.com"  
tel ""  
fax ""  
language "English"  
territory "USA"  
revision "1.1"  
date "2016-04-27"
```

```
category "en_US@p2j_basic:2016";LC_IDENTIFICATION  
category "en_US@p2j_basic:2016";LC_CTYPE  
category "en_US@p2j_basic:2016";LC_COLLATE  
category "en_US@p2j_basic:2016";LC_TIME  
category "en_US@p2j_basic:2016";LC_NUMERIC  
category "en_US@p2j_basic:2016";LC_MONETARY  
category "en_US@p2j_basic:2016";LC_MESSAGES
```

```
category "en_US@p2j_basic:2016";LC_PAPER
category "en_US@p2j_basic:2016";LC_NAME
category "en_US@p2j_basic:2016";LC_ADDRESS
category "en_US@p2j_basic:2016";LC_TELEPHONE
```

```
END LC_IDENTIFICATION
```

I guess the locale definition format has changed in 18.04. The version of localedef that is used there is 2.27.

#2 - 03/14/2019 03:34 PM - Greg Shah

- File *locale_definition_v2.27.diff* added

The attached locale definition uses the same string that is used in all other locales. It seems that this must be hard coded in later releases. This version compiles properly.

#3 - 03/14/2019 03:38 PM - Greg Shah

Can someone that is running on Ubuntu 16.04 test this new locale definition on the old localedef? I'd also like to know what version of localedef is being used in 16.04 (localedef -V will tell you).

Thanks!

#4 - 06/11/2019 11:49 AM - Eric Faulhaber

Greg Shah wrote:

Can someone that is running on Ubuntu 16.04 test this new locale definition on the old localedef? I'd also like to know what version of localedef is being used in 16.04 (localedef -V will tell you).

Thanks!

From my 16.04 system:

```
localedef (Ubuntu GLIBC 2.23-0ubuntu11) 2.23
```

#5 - 06/11/2019 11:55 AM - Greg Shah

Can someone that is running on Ubuntu 16.04 test this new locale definition on the old localedef?

Did this work?

#6 - 06/11/2019 01:42 PM - Eric Faulhaber

Greg Shah wrote:

Can someone that is running on Ubuntu 16.04 test this new locale definition on the old localedef?

Did this work?

I applied the diff and copied the updated enUS@p2j_basic file to /usr/share/i18n/locales/, ran the localedef as specified above. There were no errors. The binary locale files had been updated and appeared to contain the new content.

I fixed up the file and directory permissions as documented in the FWD database setup docs. I was able to restart my PostgreSQL FWD cluster with no problems. psql seemed to be working ok with the cluster. I did some light testing of a large customer application running with this cluster and I noticed no problems.

I think these changes are backward compatible with Ubuntu 16.04.

#7 - 06/13/2019 09:21 AM - Greg Shah

I've committed this change in branch 4069a as revision 11320.

#8 - 11/13/2019 04:17 PM - Greg Shah

- % Done changed from 0 to 100
- Status changed from New to Closed
- Assignee set to Greg Shah

Task branch 4069a has been merged to trunk as revision 11339.

Files

locale_definition_v2.27.diff

1.7 KB

03/14/2019

Greg Shah