

EDIT - task #8118

Update MySQL drivers

02/21/2019 02:02 PM - Andreas Müller

Status:	Feedback	Start date:	
Priority:	Priority14	Due date:	
Assignee:	Andreas Müller	% Done:	40%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Release 5.46		
Severity:	normal		
Description			
We are using old JDBC drivers for MySQL. Also we do not have drivers for MariaDB. Should be added.			
Related issues:			
Related to EDIT - bug #8343: potential timezone problem in application stack		Closed	
Related to EDIT - task #9972: Upgrade edit-integration		Closed	03/17/2022 03/25/2022

Associated revisions

Revision b137f4e3 - 02/21/2019 02:04 PM - Andreas Müller

ref #8118 drivers for MySQL updated and MariaDB added

Revision c60cae60 - 02/21/2019 02:23 PM - Andreas Müller

ref #8118 fix compile error in SequenceTableCreator

Revision 7920febf - 02/21/2019 03:08 PM - Andreas Müller

ref #8118 added MariaDbDatabaseType

Revision 3e6b02bb - 02/21/2019 04:17 PM - Patrick Plitzner

ref #8118 Update mysqlconnector dependency

Revision 168c2abf - 02/21/2019 04:24 PM - Patrick Plitzner

ref #8118 Update/remove mysqlconnector dependency

Revision 48cf86f - 02/21/2019 04:47 PM - Patrick Plitzner

ref #8118 Remove outdated mysqlconnector dependency

Revision 9a02c3fb - 02/21/2019 05:13 PM - Andreas Müller

ref #8118 fix DatabaseTypeEnumTest

Revision e443ff93 - 02/25/2019 08:46 PM - Andreas Müller

ref #8118 update mysql driver package string

Revision 45fd6fd3 - 02/25/2019 09:12 PM - Andreas Müller

ref #8118 update mysql driver path in code and tests

Revision c383fa9c - 04/15/2019 03:52 PM - Andreas Müller

ref #8118 drivers for MySQL updated and MariaDB added

Revision 13724b0c - 04/15/2019 03:52 PM - Andreas Müller

ref #8118 fix compile error in SequenceTableCreator

Revision cb620033 - 04/15/2019 03:52 PM - Andreas Müller

ref #8118 added MariaDbDatabaseType

Revision 520123a5 - 04/15/2019 03:52 PM - Andreas Müller

ref #8118 fix DatabaseTypeEnumTest

Revision de89e527 - 04/15/2019 03:52 PM - Andreas Müller

ref #8118 update mysql driver package string

Revision 8f96afd0 - 04/15/2019 03:53 PM - Andreas Müller

ref #8118 update mysql driver path in code and tests

Revision a70cdf6d - 06/15/2023 11:04 AM - Andreas Müller

ref #8118 update mysql driver and spring schema version in templatesdatasources.xml for cdmserver

History

#1 - 02/21/2019 02:04 PM - Andreas Müller

- Status changed from New to In Progress

- Priority changed from New to Highest

I added both drivers to cdmllib-db (b137f4e3)

#2 - 02/21/2019 02:26 PM - Andreas Müller

compile error fixed

#3 - 02/21/2019 03:28 PM - Andreas Müller

- Status changed from In Progress to Resolved

#4 - 02/21/2019 05:10 PM - Andreas Kohlbecker

- % Done changed from 0 to 40

I read through the change sets, all are looking as expected.

As next step we should run a test against a maria db server

#5 - 02/25/2019 08:28 PM - Andreas Müller

- Status changed from Resolved to Feedback

Starting with MySQL JDBC Driver 5.1.33 serverTimezone needs to be explicitly defined in connection string or one may get problems with some DB configurations.

It seems to happen often on Windows (KL reported it and also it happend on PESIHP)

#6 - 02/26/2019 11:10 AM - Andreas Kohlbecker

Andreas Müller wrote:

Starting with MySQL JDBC Driver 5.1.33 serverTimezone needs to be explicitly defined in connection string or one may get problems with some DB configurations.

It seems to happen often on Windows (KL reported it and also it happend on PESIHP)

Can you please add a refrence to this information?

I would expect either c3p0 oder hibernate to properly deal with such DB specific configuration issues.

from skimming over <https://dev.mysql.com/doc/refman/5.5/en/time-zone-support.html> it rather seems to me that there is a server and a client timezone. The server timezone should be set by the server system the client timezone by c3p0 oder hibernate, this timezone should match the client system timezone and should not be hardcoded in mysql connect url parameters.

#7 - 03/06/2019 08:06 PM - Andreas Müller

<https://stackoverflow.com/questions/26515700/mysql-jdbc-driver-5-1-33-time-zone-issue>

#8 - 03/06/2019 08:11 PM - Andreas Müller

This is what I currently get when connecting to MySQL on PESIHPG:

Caused by: com.mysql.cj.exceptions.InvalidConnectionAttributeException: The server time zone value 'Mitteleuropäische Zeit' is unrecognized or represents more than one time zone. You must configure either the server or JDBC driver (via the serverTimezone configuration property) to use a more specific time zone value if you want to utilize time zone support.

```
at sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method)
at sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:62)
at sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)
at java.lang.reflect.Constructor.newInstance(Constructor.java:423)
at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java:61)
```

#9 - 03/06/2019 08:19 PM - Andreas Müller

- Assignee changed from Andreas Müller to Katja Luther

Katja, I think you also had the problem locally. What did you do to fix it?

#10 - 03/06/2019 08:57 PM - Andreas Müller

Some solution is setting on command line e.g. for Central European time (CET):

```
mysql> SET GLOBAL time_zone = '+1:00' (tested, 'CET' does not work here)
```

or in my.ini

```
default-time-zone=CET (untested)
```

or in connection string "&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=CET" (tested but dirty)

#11 - 03/07/2019 09:39 AM - Katja Luther

Andreas Müller wrote:

Some solution is setting on command line e.g. for Central European time (CET):

```
mysql> SET GLOBAL time_zone = '+1:00' (tested, 'CET' does not work here)
```

or in my.ini

```
default-time-zone=CET (untested)
```

or in connection string "&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=CET" (tested but dirty)

First I tried the first solution, but after restart the mysql server the problem occurs again, now I tested the second solution and this worked as well (with default-time-zone='+00:00')

#12 - 03/18/2019 01:07 PM - Katja Luther

- Assignee changed from Katja Luther to Andreas Müller

#13 - 04/11/2019 10:05 AM - Andreas Müller

- Target version changed from Release 5.6 to Release 5.7

We should create a Wiki page for this information. Move to new milestone as this is not release critical.

#14 - 04/11/2019 11:40 AM - Andreas Kohlbecker

how to information added to [MySqlFaq](#)

#15 - 05/03/2019 10:23 AM - Andreas Müller

- Target version changed from Release 5.7 to Release 5.8

#16 - 06/05/2019 02:31 PM - Andreas Müller

<https://dev.mysql.com/doc/refman/8.0/en/time-zone-support.html>

#17 - 06/27/2019 07:12 PM - Andreas Kohlbecker

The proper solution to the timezone problem is documented at [MySqlFaq#The-server-time-zone-value-is-unrecognized](#)

#18 - 07/16/2019 03:14 PM - Andreas Müller

- Assignee changed from Andreas Müller to Andreas Kohlbecker

Andreas Kohlbecker wrote:

The proper solution to the timezone problem is documented at [MySQLFAQ#The-server-time-zone-value-is-unrecognized](#)

can you please provide a link? I can't find it on mysql FAQ e.g. <https://www.mysql.com/de/about/faq/> or on the mysql manual reference page

#19 - 07/16/2019 03:17 PM - Andreas Müller

- Related to bug #8343: potential timezone problem in application stack added

#20 - 07/19/2019 01:25 PM - Andreas Müller

- Assignee changed from Andreas Kohlbecker to Andreas Müller

#21 - 08/30/2019 02:34 PM - Andreas Müller

- Target version changed from Release 5.8 to Release 5.10

#22 - 09/18/2019 01:40 PM - Andreas Müller

- Target version changed from Release 5.10 to Release 5.11

#23 - 11/01/2019 09:47 AM - Andreas Müller

- Target version changed from Release 5.11 to Release 5.12

#24 - 11/19/2019 05:12 PM - Andreas Müller

- Target version changed from Release 5.12 to Release 5.13

#25 - 03/05/2020 11:34 AM - Andreas Müller

- Target version changed from Release 5.13 to Release 5.14

#26 - 04/03/2020 09:57 AM - Andreas Müller

- Target version changed from Release 5.14 to Release 5.15

#27 - 06/15/2020 09:11 PM - Andreas Müller

- Target version changed from Release 5.15 to Release 5.18

#28 - 07/14/2020 04:49 PM - Andreas Müller

- Target version changed from Release 5.18 to Release 5.19

#29 - 08/19/2020 08:46 PM - Andreas Müller

- Target version changed from Release 5.19 to Release 5.18

#30 - 11/09/2020 01:24 PM - Andreas Müller

- Target version changed from Release 5.18 to Release 5.19

#31 - 01/27/2021 04:50 PM - Andreas Müller

- Target version changed from Release 5.19 to Release 5.21

#32 - 03/02/2021 09:41 PM - Andreas Müller

- Target version changed from Release 5.21 to Release 5.22

#33 - 05/14/2021 08:08 PM - Andreas Müller

- Target version changed from Release 5.22 to Release 5.45

#34 - 09/20/2021 12:20 PM - Andreas Müller

- Priority changed from Highest to Priority14

#35 - 02/10/2022 10:37 AM - Andreas Müller

- Target version changed from Release 5.45 to Release 5.46

#36 - 03/26/2022 12:12 AM - Andreas Müller

- Related to task #9972: Upgrade edit-integration added