

EDIT - bug #9615

Options for schema creation in empty data bases.

05/07/2021 08:34 PM - Andreas Kohlbecker

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| Status: | New | Start date: | |
| Priority: | Highest | Due date: | |
| Assignee: | Andreas Kohlbecker | % Done: | 0% |
| Category: | cdmserver | Estimated time: | 0:00 hour |
| Target version: | Release 5.45 | Found in Version: | |
| Severity: | normal | | |
| Description | | | |
| stack trace from cdmlib-remote-webapp startup: | | | |
| <pre>Caused by: org.springframework.beans.BeanInstantiationException: Failed to instantiate [javax.sql.DataSource]: Factory method 'dataSource' threw exception; nested exception is eu.etaxonomy.cdm.database.CdmDatabaseException: Case type (camel, upper, lower) of the database could be defined. Maybe the CdmMetaData table is missing in the datasource at org.springframework.beans.factory.support.SimpleInstantiationStrategy.instantiate(SimpleInstantiationStrategy.java:189) at org.springframework.beans.factory.support.ConstructorResolver.instantiateUsingFactoryMethod(ConstructorResolver.java:588) ... 53 more Caused by: eu.etaxonomy.cdm.database.CdmDatabaseException: Case type (camel, upper, lower) of the database could be defined. Maybe the CdmMetaData table is missing in the datasource at eu.etaxonomy.cdm.database.update.CaseType.caseTypeOfDatasource(CaseType.java:71) at eu.etaxonomy.cdm.database.update.CdmUpdater.updateToCurrentVersion(CdmUpdater.java:81) at eu.etaxonomy.cdm.opt.config.DataSourceConfigurer.dataSource(DataSourceConfigurer.java:271) at eu.etaxonomy.cdm.opt.config.DataSourceConfigurer\$\$EnhancerBySpringCGLIB\$\$a474cd6a.CGLIB\$datasource\$5(<generated>) at eu.etaxonomy.cdm.opt.config.DataSourceConfigurer\$\$EnhancerBySpringCGLIB\$\$a474cd6a\$\$FastClassBySpringCGLIB\$\$a97e612b.invoke(<generated>) at org.springframework.cglib.proxy.MethodProxy.invokeSuper(MethodProxy.java:228) at org.springframework.context.annotation.ConfigurationClassEnhancer\$BeanMethodInterceptor.intercept(ConfigurationClassEnhancer.java:358) at eu.etaxonomy.cdm.opt.config.DataSourceConfigurer\$\$EnhancerBySpringCGLIB\$\$a474cd6a.dataSource(<generated>) at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) at java.lang.reflect.Method.invoke(Method.java:498) at org.springframework.beans.factory.support.SimpleInstantiationStrategy.instantiate(SimpleInstantiationStrategy.java:162) ... 54 more Caused by: java.sql.SQLException: Table 'cdm_tmp.cdmmetadata' doesn't exist at com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:120) at com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:97) at com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:122) at com.mysql.cj.jdbc.ClientPreparedStatement.executeInternal(ClientPreparedStatement.java:953) at com.mysql.cj.jdbc.ClientPreparedStatement.executeQuery(ClientPreparedStatement.java:1003) at com.mchange.v2.c3p0.impl.NewProxyPreparedStatement.executeQuery(NewProxyPreparedStatement.java:353) at eu.etaxonomy.cdm.database.WrappedCdmDataSource.executeQuery(WrappedCdmDataSource.java:354) at eu.etaxonomy.cdm.database.update.CaseType.caseTypeOfDatasource(CaseType.java:69) ... 66 more</pre> | | | |
| We need three things: | | | |
| <ul style="list-style-type: none">• Document this option in the setup guides (redmine wiki and cybertaxonomy.org site)• Implement option to create the schema from the cdm-server management console - needed for manual setup by humans• Implement option to create the schema from the command line - needed for automatic setup e.g. in docker environments for workshops etc. | | | |

NOTES

- The management console should check if the database is empty, that is if there is only the _c3p0ConnectionTest table
- The CaseType.caseTypeOfDatasource() should perform some more checks in case of "Table 'cdm_tmp.cdmmetadata' doesn't exist" and report an supposedly empty uninitialized cdm-db with a special Exception which is subclass of CdmDatabaseException ==> create cdm lib ticket #....
- how will this work in multitenancy situations?

History

#1 - 05/07/2021 09:37 PM - Andreas Kohlbecker

- Description updated

#2 - 05/07/2021 09:38 PM - Andreas Kohlbecker

- Description updated

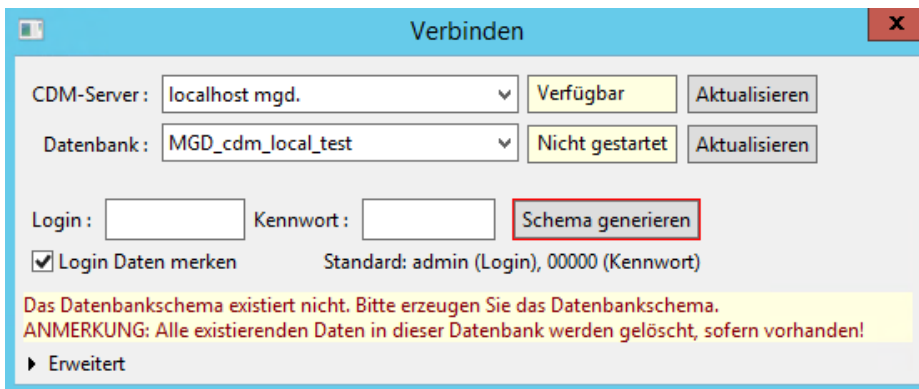
#3 - 05/08/2021 01:11 AM - Andreas Müller

- File picture914-1.png added

- Status changed from New to Feedback

- Assignee changed from Andreas Müller to Andreas Kohlbecker

The required functionality exists in the taxeditor:



therefore I suggest to close this ticket as worksforme.

Definetely it is not a but, but if we also want to have the functionality in the CDM Server we may change this ticket to a feature request for CdmServer (if such a ticket does not exist yet).

#4 - 05/11/2021 10:59 AM - Andreas Kohlbecker

- Subject changed from cdm lib fails creating a new database to Options for schema creation in empty data bases.

- Description updated

- Category changed from cdm lib to cdmserver

- Status changed from Feedback to New

- Target version changed from Unassigned CDM tickets to Release 5.45

Thank you for this hint. The cdm lib-remote will create the schema creation when the parameter cdm.forceSchemaCreate is set to true.

We need three things:

- Document this option in the setup guides (redmine wiki and cybertaxonomy.org site)
- Implement option to create the schema from the cdm-server management console - needed for manual setup by humans
- Implement option to create the schema from the command line - needed for automatic setup e.g. in docker environments for workshops etc.

I am changing the subject and description of this ticket accordingly

#5 - 05/11/2021 11:02 AM - Andreas Kohlbecker

- Priority changed from New to Highest

#6 - 02/22/2022 01:24 PM - Andreas Müller

- Subject changed from *Options for schema creation in empty data bases.* to *Options for schema creation in empty data bases.*

Files

| | | | |
|------------------|---------|------------|----------------|
| picture914-1.png | 13.7 KB | 05/07/2021 | Andreas Müller |
|------------------|---------|------------|----------------|