

DBSeeder - Release Notes

build passing release v2.9.1 release date june github repo or version not found

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1. Current Issues

1.1 Apache Derby

1.1.1 Issue with second run

- The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).

1.1.2 Issue with ALTER TABLE ... DROP CONSTRAINT

DDL Statement:

```
CREATE TABLE KXN_SCHEMA.COUNTRY_STATE ( PK_COUNTRY_STATE_ID BIGINT NOT NULL,
FK_COUNTRY_ID BIGINT NOT NULL, FK_TIMEZONE_ID BIGINT NOT NULL, COUNTRY_STATE_MAP BLOB,
CREATED TIMESTAMP NOT NULL, MODIFIED TIMESTAMP, NAME VARCHAR(100) NOT NULL, SYMBOL
VARCHAR(50), CONSTRAINT CONSTRAINT_KXN_4 UNIQUE (), CONSTRAINT "SQL0000000111-2c5f8294-
017a-c260-be49-00000016e126" PRIMARY KEY (), CONSTRAINT "SQL0000000112-15048295-017a-
c260-be49-00000016e126" FOREIGN KEY () REFERENCES KXN_SCHEMA.COUNTRY(), CONSTRAINT
"SQL0000000113-3da9c296-017a-c260-be49-00000016e126" FOREIGN KEY () REFERENCES
KXN_SCHEMA.TIMEZONE() ); CREATE INDEX "SQL0000000112-15048295-017a-c260-be49-
00000016e126" ON KXN_SCHEMA.COUNTRY_STATE (FK_COUNTRY_ID); CREATE INDEX "SQL0000000113-
3da9c296-017a-c260-be49-00000016e126" ON KXN_SCHEMA.COUNTRY_STATE (FK_TIMEZONE_ID);
CREATE UNIQUE INDEX "SQL0000000114-a041429a-017a-c260-be49-00000016e126" ON
KXN_SCHEMA.COUNTRY_STATE (FK_COUNTRY_ID,NAME);
```

Statement DROP CONSTRAINT:

```
ALTER TABLE COUNTRY_STATE DROP CONSTRAINT "SQL0000000114-a041429a-017a-c260-be49-
00000016e126"
```

Error message:

```
java.sql.SQLException: ALTER TABLE failed. There is no constraint
'KXN_SCHEMA.SQL0000000114-a041429a-017a-c260-be49-00000016e126' on table
'"KXN_SCHEMA"."COUNTRY_STATE"'. at
org.apache.derby.client.am.SQLExceptionFactory.getSQLException(SQLExceptionFactory.java:
```

```

94) at org.apache.derby.client.am.SqlException.getSQLException(SqlException.java:325) at
org.apache.derby.client.am.ClientStatement.execute(ClientStatement.java:997) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeDdlStmtnts(AbstractJdbcSeeder.java
:1213) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1126) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:411)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:94) Caused by: ERROR
42X86: ALTER TABLE failed. There is no constraint 'KXN_SCHEMA.SQL0000000114-a041429a-
017a-c260-be49-000000016e126' on table '"KXN_SCHEMA"."COUNTRY_STATE"'. at
org.apache.derby.client.am.ClientStatement.completeSqlca(ClientStatement.java:2116) at
org.apache.derby.client.am.ClientStatement.completeExecuteImmediate(ClientStatement.java
:1683) at
org.apache.derby.client.net.NetStatementReply.parseEXCSQLIMMreply(NetStatementReply.java
:209) at
org.apache.derby.client.net.NetStatementReply.readExecuteImmediate(NetStatementReply.jav
a:60) at
org.apache.derby.client.net.StatementReply.readExecuteImmediate(StatementReply.java:47)
at org.apache.derby.client.net.NetStatement.readExecuteImmediate_(NetStatement.java:142)
at
org.apache.derby.client.am.ClientStatement.readExecuteImmediate(ClientStatement.java:167
9) at org.apache.derby.client.am.ClientStatement.flowExecute(ClientStatement.java:2408)
at org.apache.derby.client.am.ClientStatement.executeX(ClientStatement.java:1002) at
org.apache.derby.client.am.ClientStatement.execute(ClientStatement.java:988) ... 4 more
Processing of the script was aborted, error code=1

```

1.2 IBM Db2

- Version 11.5.6.0:

```

2021-07-03 05:31:17,235 [DatabaseSeeder.java] INFO Start 2021-07-03 05:31:17,237
[DatabaseSeeder.java] INFO tickerSymbolExtern='ibmdb2' 2021-07-03 05:31:17,237
[DatabaseSeeder.java] INFO Start IBM Db2 Database SLF4J: Class path contains multiple
SLF4J bindings. SLF4J: Found binding in
[jar:file:/D:/SoftDevelopment/Projects/db_seeder/lib/db_seeder.jar!/org/slf4j/impl/Static
cLoggerBinder.class] SLF4J: Found binding in
[jar:file:/D:/SoftDevelopment/Projects/db_seeder/lib/jdbc-yugabytedb-42.2.7-yb-
3.jar!/org/slf4j/impl/StaticLoggerBinder.class] SLF4J: See
http://www.slf4j.org/codes.html#multiple_bindings for an explanation. SLF4J: Actual
binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
com.ibm.db2.jcc.am.DisconnectNonTransientConnectionException: [jcc][t4][2030][11211]
[4.29.24] A communication error occurred during operations on the connection's
underlying socket, socket input stream, or socket output stream. Error location:
Reply.fill() - insufficient data (-1). Message: Insufficient data. ERRORCODE=-4499,
SQLSTATE=08001 at com.ibm.db2.jcc.am.b7.a(b7.java:338) at
com.ibm.db2.jcc.t4.a.a(a.java:573) at com.ibm.db2.jcc.t4.a.a(a.java:557) at
com.ibm.db2.jcc.t4.a.a(a.java:552) at com.ibm.db2.jcc.t4.y.b(y.java:315) at

```

```
com.ibm.db2.jcc.t4.y.c(y.java:342) at com.ibm.db2.jcc.t4.y.c(y.java:455) at
com.ibm.db2.jcc.t4.y.v(y.java:1230) at com.ibm.db2.jcc.t4.z.a(z.java:53) at
com.ibm.db2.jcc.t4.b.c(b.java:1482) at com.ibm.db2.jcc.t4.b.b(b.java:1354) at
com.ibm.db2.jcc.t4.b.b(b.java:889) at com.ibm.db2.jcc.t4.b.a(b.java:860) at
com.ibm.db2.jcc.t4.b.a(b.java:455) at com.ibm.db2.jcc.t4.b.a(b.java:428) at
com.ibm.db2.jcc.t4.b.<init>(b.java:366) at
com.ibm.db2.jcc.DB2SimpleDataSource.getConnection(DB2SimpleDataSource.java:243) at
com.ibm.db2.jcc.DB2SimpleDataSource.getConnection(DB2SimpleDataSource.java:200) at
com.ibm.db2.jcc.DB2Driver.connect(DB2Driver.java:491) at
com.ibm.db2.jcc.DB2Driver.connect(DB2Driver.java:117) at
java.sql/java.sql.DriverManager.getConnection(DriverManager.java:677) at
java.sql/java.sql.DriverManager.getConnection(DriverManager.java:251) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.connect(AbstractJdbcSeeder.java:264) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.connect(AbstractJdbcSeeder.java:155) at
ch.konnexions.db_seeder.jdbc.Ibmdb2.Ibmdb2Seeder.setupDatabase(Ibmdb2Seeder.java:104) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:348)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:142) Processing of
the script was aborted, error code=1
```

1.3 trino

- All Connectors: Absolutely unsatisfactory performance (see [here](#)).
- Oracle Connector: Oracle session not disconnected (see [here](#)).

```
2021-01-14 17:44:35,322 [DatabaseSeeder.java] INFO Start 2021-01-14 17:44:35,328
[DatabaseSeeder.java] INFO tickerSymbolExtern='oracle_trino' 2021-01-14 17:44:35,328
[DatabaseSeeder.java] INFO Start Oracle Database via trino SLF4J: Class path contains multiple SLF4J
bindings. SLF4J: Found binding in
[jar:file:/D:/SoftDevelopment/Projects/db_seeder/lib/db_seeder.jar!/org/slf4j/impl/StaticLoggerBinder.cl
ass] SLF4J: Found binding in [jar:file:/D:/SoftDevelopment/Projects/db_seeder/lib/jdbc-yugabytedb-
42.2.7-yb-3.jar!/org/slf4j/impl/StaticLoggerBinder.class] SLF4J: See
http://www.slf4j.org/codes.html#multiple_bindings for an explanation. SLF4J: Actual binding is of type
[org.slf4j.impl.Log4jLoggerFactory] java.sql.SQLException: ORA-01940: Ein Benutzer, der
gerade mit der DB verbunden ist, kann nicht gelöscht werden
```

```
at oracle.jdbc.driver.T4CTTIoer11.processError(T4CTTIoer11.java:509)
at oracle.jdbc.driver.T4CTTIoer11.processError(T4CTTIoer11.java:461)
at oracle.jdbc.driver.T4C8Oall.processError(T4C8Oall.java:1104)
at oracle.jdbc.driver.T4CTTIfun.receive(T4CTTIfun.java:553)
at oracle.jdbc.driver.T4CTTIfun.doRPC(T4CTTIfun.java:269)
at oracle.jdbc.driver.T4C8Oall.doOALL(T4C8Oall.java:655)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:229)
at oracle.jdbc.driver.T4CStatement.doOall8(T4CStatement.java:41)
at oracle.jdbc.driver.T4CStatement.executeForRows(T4CStatement.java:928)
at
oracle.jdbc.driver.OracleStatement.doExecuteWithTimeout(OracleStatement.java
:1205)
```

```
at
oracle.jdbc.driver.OracleStatement.executeInternal(OracleStatement.java:1823
)
at oracle.jdbc.driver.OracleStatement.execute(OracleStatement.java:1778)
at
oracle.jdbc.driver.OracleStatementWrapper.execute(OracleStatementWrapper.jav
a:303)
at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropUser(AbstractJdbcSeeder.
java:795)
at
ch.konnexions.db_seeder.jdbc.oracle.OracleSeeder.setupDatabase(OracleSeeder.
java:133)
at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeede
r.java:328)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:181)
```

Caused by: Error : 1940, Position : 0, Sql = DROP USER KXN_USER CASCADE, OriginalSql = DROP USER KXN_USER CASCADE, Error Msg = ORA-01940: Ein Benutzer, der gerade mit der DB verbunden ist, kann nicht gelöscht werden

```
at oracle.jdbc.driver.T4CTTIoer11.processError(T4CTTIoer11.java:513)
... 16 more
```

Processing of the script was aborted, error code=1

- Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).

2. Version History

2.9.2

Release Date: dd.mm.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- Eclipse IDE: 2021.06 (e.g. from [Eclipse Download Page](#))
- Gradle Build Tool: 7 (e.g. from [here](#))
- Java Development Kit 15, (e.g. from [here](#))

- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2021-06\eclipse`

New Features

- new control parameter `DB_SEEDER_BATCH_SIZE`: the maximum number of DML operations of type `addBatch` - `0` represents all DML operations
- new control parameter `DB_SEEDER_DROP_CONSTRAINTS`: if the value is `yes`, all constraints of the types FOREIGN KEY, PRIMARY KEY and UNIQUE KEY are removed before the first DML operation and are enabled again after the last DML operation

Modified Features

- CockroachDB: DBMS v21.1.5
- CrateDB: DBMS 4.5.4
- Exasol: DBMS 7.0.11
- Firebird: DBMS v4.0.0
- IBM Db2 Database: JDBC 11.5.6.0
- MariaDB Server: DBMS 10.6.3
- MonetDB: JDBC 3.1.jre8
- MySQL Database: DBMS 8.0.26 / JDBC 8.0.26
- Percona Server for MySQL: DBMS 8.0.25-15
- PostgreSQL: JDBC 42.2.23
- SQLite: DBMS 3.36.0.1 / JDBC 3.36.0.1
- trino: DBMS 359 / JDBC 359
- xxx: DBMS 999 / JDBC 999

Deleted Features

n/a

2.9.1

Release Date: 12.06.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4

- Eclipse IDE: 2021.03 (e.g. from [Eclipse Download Page](#))
- Gradle Build Tool: 7 (e.g. from [here](#))
- Java Development Kit 15, (e.g. from [here](#))
- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2021-03\eclipse`

Modified Features

- CockroachDB: DBMS v21.1.2
- Exasol: DBMS 7.0.10
- HSQLDB embedded: big performance improvement after fixing a bug
- MonetDB: big performance improvement after introducing manual commit

Deleted Features

- Docker Compose functionality removed
-

2.9.0

Release Date: 04.06.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- open-source JDK Version 16 (e.g.: 16.0.1 from [here](#))
- Gradle Build Tool: 7 (e.g.: v7.0.2 from [here](#))
- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2021-03\eclipse`

New Features

- OmniSciDB: DBMS 5.6.1 / JDBC 5.6.0

Modified Features

- CockroachDB: DBMS v21.1.1
- CUBRID: JDBC 11.0.1.0286
- Firebird: DBMS v4.0.0rc1

- MariaDB Server: DBMS 10.6.1
 - trino: DBMS 358 / JDBC 358
 - YugabyteDB: DBMS 2.7.1.1-b1
-

2.8.2

Release Date: 28.05.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- open-source JDK Version 16 (e.g.: 16.0.1 from [here](#))
- Gradle Build Tool: 7 (e.g.: v7.0.2 from [here](#))
- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2021-03\eclipse`

Modified Features

- in Windows 10: replacing `grep` by `find`
 - CockroachDB: DBMS v21.1.0
 - CrateDB: DBMS 4.5.1
 - Exasol: DBMS 7.0.8 & shutting down the database in the Docker container
 - HSQLDB: JDBC 2.6.0
 - MariaDB Server: DBMS 10.6.0 / JDBC 2.7.3
 - MonetDB: DBMS Oct2020-SP5
 - MySQL Database: DBMS 8.0.25 / JDBC 8.0.25
 - Percona Server for MySQL: DBMS 8.0.23-14
 - PostgreSQL: DBMS 13.3 / JDBC 42.2.20
 - trino: DBMS 356 / JDBC 356
 - YugabyteDB: DBMS 2.7.1.0-b131
-

2.8.1

Release Date: 01.04.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- open-source JDK Version 15 (e.g.: from [here](#))
- Gradle Build Tool: 6.8.3
- grep utility, e.g. for Windows from [here](#)
- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2020-12\eclipse`

Modified Features

- AgensGraph: DBMS v2.1.3
- CockroachDB: DBMS v20.2.7
- CrateDB: DBMS 4.5.0
- CUBRID: DBMS 11.0
- Exasol: DBMS 7.0.8
- Firebird: JDBC 4.0.3.java11
- HSQLDB: DBMS 2.6.0
- IBM Db2 Database: DBMS 11.5.5.1
- SQL Server: JDBC 9.2.1.jre15
- trino: DBMS 354 / JDBC 354
- YugabyteDB: DBMS 2.5.3.1-b10

2.8.0

Release Date: 03.03.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- open-source JDK Version 15 (e.g.: from [here](#))
- Gradle Build Tool: 6.8.3
- grep utility, e.g. for Windows from [here](#)

- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2020-12\eclipse`

New Features

- New DBMS: CockroachDB

Modified Features

- Mimer SQL: DBMS v11.0.5a
-

2.7.1

Release Date: 27.02.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- open-source JDK Version 15 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)
- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2020-12\eclipse`

Modified Features

- CrateDB: DBMS 4.4.1
 - CUBRID: JDBC 11.0.0.0248
 - Exasol: DBMS 7.0.7 / JDBC 7.0.7
 - MariaDB Server: DBMS 10.5.9 / JDBC 2.7.2
 - MonetDB: DBMS Oct2020-SP3 / JDBC 3.0.jre8
 - Oracle Database: JDBC 21.1.0.0
 - PostgreSQL: DBMS 13.2 / JDBC 42.2.19
 - SQL Server: JDBC 9.2.0.jre15
 - trino: DBMS 352 / JDBC 352
 - YugabyteDB: DBMS 2.5.2.0-b104
-

2.7.0

Release Date: 28.01.2021

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- Docker Desktop Community: 3.0.4
- open-source JDK Version 15 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)
- an environment variable called `HOME_ECLIPSE` that points to the installation directory of Eclipse IDE, e.g.: `C:\Software\eclipse\java-2020-12\eclipse`

New Features

Rebranding of Presto to trino

Modified Features

- CrateDB: DBMS 4.3.4
- Exasol: DBMS 7.0.6 / JDBC 7.0.4
- Firebird: JDBC 4.0.2.java11
- IBM Db2 Database: DBMS 11.5.5.0
- IBM Informix: DBMS 14.10.FC5DE
- Mimer SQL: JDBC 3.41a
- Oracle Database: JDBC 19.9.0.0
- SQLite: DBMS 3.34.0 / JDBC 3.34.0
- trino: DBMS 351 / JDBC 351
- YugabyteDB: DBMS 2.5.1.0-b153

2.6.1

Release Date: 28.11.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 15 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).

- Exasol
 - JDBC Driver: java.sql.SQLException: Invalid character in connection string (see [here](#)).
 - Ubuntu 20.10: com.exasol.jdbc.ConnectFailed: Connection reset (see [here](#))
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Oracle Database
 - Database 19c: ORA-12637: Packet receive failed (see [here](#)).
- Presto Distributed Query Engine
 - All Connectors: Absolutely unsatisfactory performance (see [here](#)).
 - Oracle Connector: Oracle session not disconnected (see [here](#)).
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

Modified Features

- CrateDB: DBMS 4.3.1
- IBM Db2 Database: JDBC 11.5.5.0
- MariaDB Server: DBMS 10.5.8 / JDBC 2.7.1
- Mimer SQL: DBMS v11.0.4b
- MySQL Database: DBMS 8.0.23 / JDBC 8.0.23
- PostgreSQL: DBMS 13.1
- Presto Distributed Query Engine: DBMS 347 / JDBC 347
- Travis CI has been limited to the compilation functionality
- VoltDB: JDBC 10.1.1
- YugabyteDB: DBMS 2.5.0.0-b2

2.6.0

Release Date: 27.10.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 15 (e.g.: from [here](#))

- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Exasol
 - JDBC Driver: java.sql.SQLException: Invalid character in connection string (see [here](#)).
 - Ubuntu 20.10: com.exasol.jdbc.ConnectFailed: Connection reset (see [here](#))
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Oracle Database
 - Database 19c: ORA-12637: Packet receive failed (see [here](#)).
- Presto Distributed Query Engine
 - All Connectors: Absolutely unsatisfactory performance (see [here](#)).
 - Oracle Connector: Oracle session not disconnected (see [here](#)).
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

New Features

- new scripts for creating a summary file from the benchmark data

Modified Features

- CrateDB: DBMS 4.3.0
- Exasol: DBMS 7.0.3 / JDBC 7.0.3
- Firebird: DBMS 3.0.7
- MariaDB Server: DBMS 10.5.6
- MySQL Database: DBMS 8.0.22 / JDBC 8.0.22
- Oracle Database: JDBC 19.8.0.0
- PostgreSQL: JDBC 42.2.18
- Presto Distributed Query Engine: DBMS 345 / JDBC 345

2.5.2

Release Date: 05.10.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 15 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Exasol
 - JDBC Driver: java.sql.SQLException: Invalid character in connection string (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Oracle Database
 - Database 19c: ORA-12637: Packet receive failed (see [here](#)).
- Presto Distributed Query Engine
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

New Features

- Docker Compose functionality added

Modified Features

- YugabyteDB: DBMS 2.3.2.0-b37
-

2.5.1

Release Date: 29.09.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 15 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Oracle Database
 - Database 19c: ORA-12637: Packet receive failed (see [here](#)).
- Presto Distributed Query Engine
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

Modified Features

- CrateDB: DBMS 4.2.4
 - CUBRID: JDBC 10.2.2.8874
 - Exasol: DBMS 7.0.2
 - MariaDB Server: JDBC 2.7.0
 - PostgreSQL: DBMS 13
 - Presto Distributed Query Engine: DBMS 343
 - Presto Distributed Query Engine: JDBC 343
-

2.5.0

Release Date: 30.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

New Features

- New DBMS: Exasol

Modified Features

- SQL Server: JDBC 8.4.1.jre14
-

2.4.0

Release Date: 27.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine

- Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
- SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

New Features

- New DBMS: AgensGraph
 - New DBMS: VoltDB
-

2.3.0

Release Date: 26.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).
- YugabyteDB
 - Windows 10: Creation of Docker Container fails (see [here](#)).

New Features

- New DBMS: Percona Server for MySQL
- New DBMS: YugabyteDB

Modified Features

- CrateDB: DBMS 4.2.3

- PostgreSQL: DBMS 12.4 / JDBC 42.2.15
-

2.2.0

Release Date: 18.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- MonetDB
 - Exception in thread "main" java.sql.BatchUpdateException.
- Presto Distributed Query Engine
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).

New Features

- New DBMS: MonetDB

Modified Features

- the [original image from Presto](#) is now used
-

2.1.3

Release Date: 17.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine
 - Oracle Connector: Support Oracle's NUMBER data type (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).

Modified Features

- PostgreSQL: JDBC 42.2.15
 - Presto Distributed Query Engine: use of Docker network
 - minor script fixes
-

2.1.2

Release Date: 13.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine
 - MySQL Connector: Connection failure (see [here](#)).
 - PostgreSQL Connector: Connection failure (see [here](#)).
 - SQL Server Connector: Failed to insert NULL for varbinary in SQL Server (see [here](#)).

Modified Features

- minor script fixes.
-

2.1.1

Release Date: 13.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine
 - MySQL Connector: JDBC INSERT limited to about 100 rows - observed 98 to 115 (see [here](#)).
 - SQL Server Connector: Issues with BLOB and CLOB (see [here](#)).

New Features

- Demonstration programs for the Presto Connectors

Modified Features

- Firebird: JDBC 4.0.1.java11
 - MariaDB Server: DBMS 10.5.5
 - Presto Distributed Query Engine: JDBC 340
 - solved: PostgreSQL Connector: Cannot insert BLOB using Presto JDBC (see [here](#)).
 - solved: SQL Server Connector: Login failed (see [here](#)).
 - solved: gradle warning with <http://maven.cubrid.org> (see [\[here\]](#)(<http://jira.cubrid.org/browse/CBRD-23727>)).
-

2.1.0

Release Date: 11.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- CUBRID
 - gradle warning with <http://maven.cubrid.org> (see [\[here\]](#)(<http://jira.cubrid.org/browse/CBRD-23727>).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).
- Presto Distributed Query Engine
 - MySQL Connector: JDBC INSERT limited to about 100 rows - observed 98 to 115 (see [here](#)).
 - PostgreSQL Connector: Cannot insert BLOB using Presto JDBC (see [here](#)).
 - SQL Server Connector: Login failed (see [here](#)).

New Features

- Adding the JDBC driver of the Presto Distributed Query Engine (see [Issue #5](#)).

Modified Features

- MariaDB Server: JDBC 2.6.2
 - SQL Server: JDBC 8.4.0.jre14
-

2.0.0

Release Date: 02.08.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby

- The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).

New Features

- The underlying database schema can now be freely defined using a JSON-based parameter file (Issues [37](#), [38](#), [39](#) and [50](#)).

Modified Features

- CrateDB: DBMS 4.1.8
 - SQLite: DBMS 3.32.3 / JDBC 3.32.3.2
-

1.15.10

Release Date: 14.07.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).

Modified Features

- Config.java: reduce number of properties (issue #36)
 - MySQL Database: DBMS & JDBC 8.0.22
-

1.15.8

Release Date: 13.07.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).

Modified Features

- Added complete run and upload of statistics data to Travis CI (issue #42)
 - Scripts restructured and extended (issue #40)
 - Solved IBM Informix issue (issue #41)
-

1.15.5

Release Date: 10.07.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))
- grep utility, e.g. for Windows from [here](#)

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- IBM Informix
 - Sporadically during Informix startup: "shared memory not initialized for INFORMIXSERVER 'informix'" (see [here](#)).
- Mimer SQL & DBeaver
 - DBeaver: Previewing BLOB column shows "Error loading text value" (see [here](#)).

New Features

- New batch script: `run_db_seeder_complete`: Run all DBMS variations
- New DBMS: Mimer SQL

Modified Features

- CrateDB: DBMS 4.1.8
 - Firebird: DBMS 3.0.6
 - IBM Db2 Database: DBMS & JDBC 11.5.4.0
 - IBM Informix: JDBC 4.50.4.1
 - Oracle Database: JDBC 19.7.0.0
-

1.14.0

Release Date: 06.07.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).

New Features

- New DBMS: IBM Informix
-

1.13.0

Release Date: 01.07.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

Current Issues

- Apache Derby

- The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).

New Features

- New DBMS: H2 Database Engine
-

1.12.0

Release Date: 29.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).

New Features

- New DBMS: H2 Database Engine
-

1.11.2

Release Date: 26.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).

Modified Features

- introducing encoding support for ISO-8859-1 and UTF-8
 - Tested DBMS version: MariaDB Server 10.5.4
-

1.11.0

Release Date: 26.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- Mimer SQL
 - Previewing BLOB columns with DBeaver gives the error message "Error loading text value" (see [here](#))

New Features

- New DBMS: Firebird
-

1.8.3

Release Date: 21.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

Current Issues

- Apache Derby
 - The second run with the embedded version of Apache Derby stumbles over a known problem of Apache Derby (see [here](#)).
- CUBRID
 - It is not possible to construct a valid URL for JDBC (see [here](#)).

New Features

- New DBMS: Apache Derby (both client and embedded version)
- New DBMS: CUBRID

Modified Features

- Tested DBMS version: MariaDB Server 10.5.3
 - Tested DBMS version: Oracle database 12c
 - Tested DBMS version: Oracle database 18c
-

1.6.0

Release Date: 16.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- New DBMS: SQLite
-

1.5.0

Release Date: 15.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- New DBMS: CrateDB
-

1.4.0

Release Date: 14.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- New DBMS: IBM Db2 Database
-

1.3.0

Release Date: 12.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- New DBMS: MariaDB Server
-

1.2.0

Release Date: 10.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- New DBMS: PostgreSQL
-

1.1.0

Release Date: 06.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- Documentation
- New DBMS: SQL Server
- Travis CI Integration
- Verification of the data storage

Modified Features

- Adding BLOB and CLOB support
-

1.0.0

Release Date: 01.06.2020

System Requirements

- Operating system: any Java-enabled Linux, Mac or Windows variant
- open-source JDK Version 14 (e.g.: from [here](#))

New Features

- New DBMS: MySQL Database
 - New DBMS: Oracle Database
-