# Release Notes

`build` `passing`  `release` `v2.9.0`  `release date` `last saturday`  `github` `repo or version not found`

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# 1. Current Issues

## 1.1 Apache Derby

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

## 1.2 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.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.slf4j.impl.Log4jLoggerFactory] java.sql.SQLSyntaxErrorException: 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

## 2.9.1

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: 2021.03 (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`

**New Features**

n/a

**Modified Features**

- CockroachDB: DBMS v21.1.2

- Exasol: DBMS 7.0.10

- HSQLDB embedded: very big performance improvement after fixing a bug

- MonetDB: big performance improvement after introducing manual commit

- xxx: DBMS 999 / JDBC 999

**Deleted Features**

- Docker Compose functionality removed

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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).

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## 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 Enginge (see Issue #5).

**Modified Features**

- MariaDB Server: JDBC 2.6.2

- SQL Server: JDBC 8.4.0.jre14

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## 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

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## 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

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## 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)

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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## 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

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