

# DBSeeder - Release History

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## Version 3.0.0

Release Date: 01.08.2021

### 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
- TimescaleDB: DBMS 2.3.1-pg13 / JDBC PostgreSQL

### Modified Features

- CockroachDB: DBMS v21.1.6
- CrateDB: DBMS 4.6.1
- Exasol: DBMS 7.0.11
- Firebird: DBMS v4.0.0
- 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 / JDBC 3.36.0.1
- trino: DBMS 359 / JDBC 359
- YugabyteDB: DBMS 2.7.2.0-b216

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## Version 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
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## Version 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
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## Version 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
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## Version 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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## Version 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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## Version 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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## Version 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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## Version 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](#)

### 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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## Version 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](#)

### 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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## Version 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](#)

### New Features

- Docker Compose functionality added

## Modified Features

- YugabyteDB: DBMS 2.3.2.0-b37
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## Version 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](#)

### 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 / JDBC 343
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## Version 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](#)

### New Features

- New DBMS: Exasol

### Modified Features

- SQL Server: JDBC 8.4.1.jre14
- 

## Version 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](#)

## New Features

- New DBMS: AgensGraph
  - New DBMS: VoltDB
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## Version 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](#)

### 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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## Version 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](#)

### New Features

- New DBMS: MonetDB

### Modified Features

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

## Modified Features

- PostgreSQL: JDBC 42.2.15
  - Presto Distributed Query Engine: use of Docker network
  - minor script fixes
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## Version 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](#)

## Modified Features

- minor script fixes.
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## Version 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](#)

## 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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## Version 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](#)

### 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
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## Version 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](#)

### 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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## Version 2.15.10

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](#)

## Modified Features

- Config.java: reduce number of properties (issue #36)
  - MySQL Database: DBMS & JDBC 8.0.22
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## Version 2.15.8

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](#)

### 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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## Version 2.15.5

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](#)

### 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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## Version 2.14.0

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](#))

## New Features

- New DBMS: IBM Informix
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## Version 2.13.0

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](#))

## New Features

- New DBMS: H2 Database Engine
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## Version 2.12.0

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](#))

## New Features

- New DBMS: H2 Database Engine
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## Version 2.11.2

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](#))

## Modified Features

- introducing encoding support for ISO-8859-1 and UTF-8

- Tested DBMS version: MariaDB Server 10.5.4
- 

## Version 2.11.0

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](#))

### New Features

- New DBMS: Firebird
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## Version 2.8.3

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](#))

### 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
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## Version 2.6.0

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
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## Version 2.5.0

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
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## Version 2.4.0

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
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## Version 2.3.0

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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## Version 2.2.0

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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## Version 2.1.0

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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## Version 2.0.0

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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