

# DBSeeder - Release Notes

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

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## 1. Version History

3.0.0

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
- TimescaleDB: DBMS 2.3.1-pg13 / JDBC PostgreSQL

### Modified Features

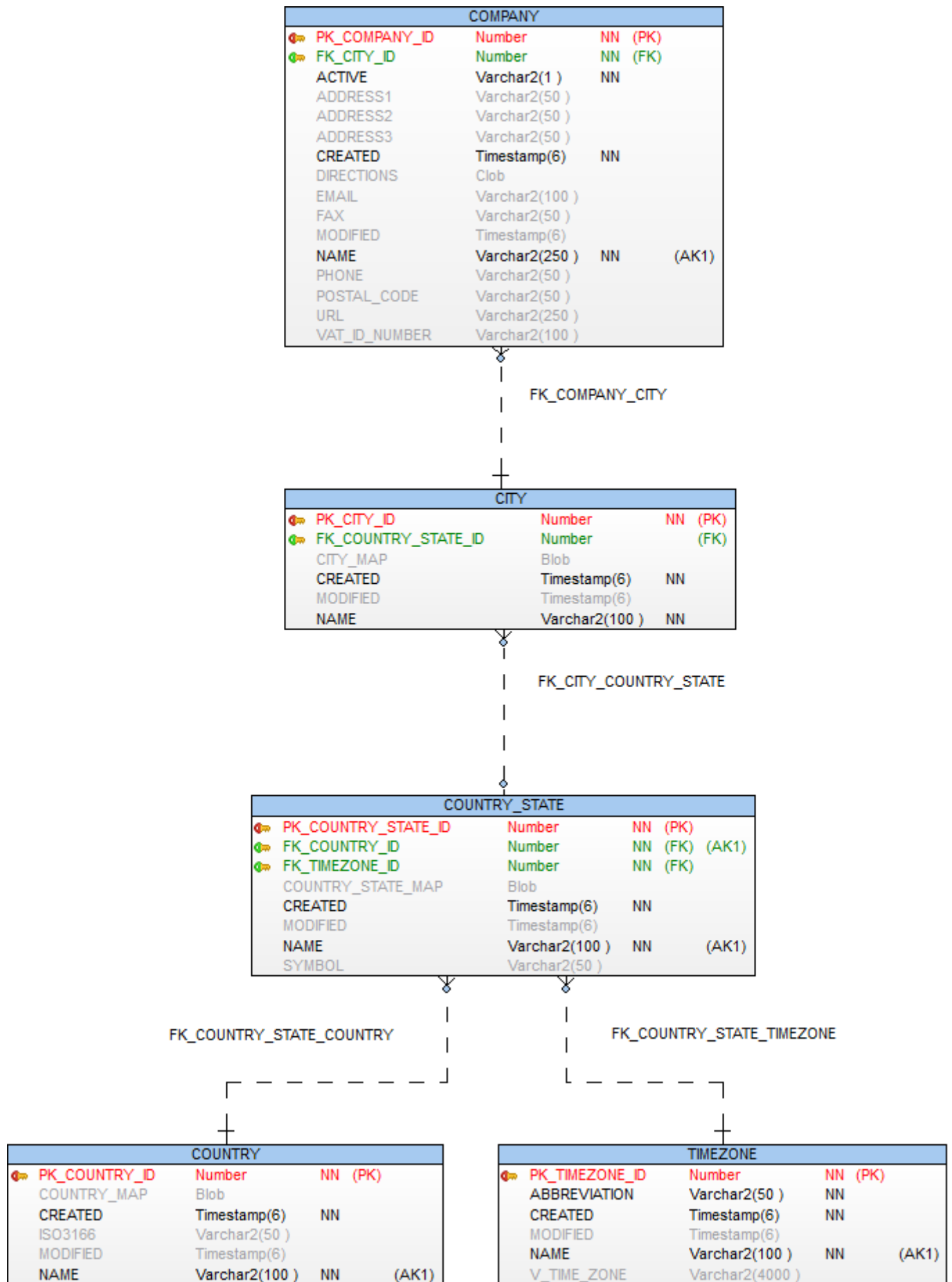
- CockroachDB: DBMS v21.1.6
- CrateDB: DBMS 4.6.1
- Exasol: DBMS 7.0.11
- Firebird: DBMS v4.0.0

- 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

### Open issues

- CockroachDB: (see [here](#))
- CrateDB: (see [here](#))
- H2 Database Engine: (see [here](#))
- HSQLDB: (see [here](#))
- IBM Db2 Database: (see [here](#))
- OmnisciDB: (see [here](#))
- trino: (see [here](#))
- VoltDB: (see [here](#))
- YugabyteDB: (see [here](#))

### Windows 10 Performance Snapshot



## 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
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## 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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## 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
- 

## 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
- 

## 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>)).

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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 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
- 

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](#)

### 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
-

## 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](#)

### 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)
- 

## 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](#)

### 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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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](#))

## 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
- 

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](#))

## 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
- 

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](#))

## 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
- 

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](#))

## 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
- 

## 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](#))

### 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
- 

## 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](#))

### 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
- 

## 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
- 

## 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
- 

## 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
- 

## 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
- 

## 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
- 

## 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
- 

## 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
- 

## 2. Open Issues

### CockroachDB

- Issue: dropping unique key constraints - SQL statement `DROP INDEX "country_name_key" CASCADE` (see [here](#)):

```
2021-07-23 09:28:10,007 [DatabaseSeeder.java] INFO Start CockroachDB
org.postgresql.util.PSQLException: ERROR: requested table does not have a primary key at
org.postgresql.core.v3.QueryExecutorImpl.receiveErrorResponse(QueryExecutorImpl.java:243
4) at
org.postgresql.core.v3.QueryExecutorImpl.processResults(QueryExecutorImpl.java:2179) at
org.postgresql.core.v3.QueryExecutorImpl.execute(QueryExecutorImpl.java:307) at
org.postgresql.jdbc.PgStatement.executeInternal(PgStatement.java:441) at
org.postgresql.jdbc.PgStatement.execute(PgStatement.java:365) at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:307) at
org.postgresql.jdbc.PgStatement.executeCachedSql(PgStatement.java:293) at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:270) at
org.postgresql.jdbc.PgStatement.execute(PgStatement.java:266) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeDdlStmts(AbstractJdbcSeeder.java
:1260) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1174) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:415)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:94) Processing of the
script was aborted, error code=1
```

### CrateDB

- Issue: dropping constraints - SQL statement `ALTER TABLE COUNTRY DROP CONSTRAINT country_pk` (see [here](#)):

Deleting constraints seems to be very rudimentary, see [here](#)

```
2021-07-23 10:14:44,871 [DatabaseSeeder.java] INFO Start CrateDB
io.crate.shade.org.postgresql.util.PSQLException: ERROR: Cannot find a CHECK CONSTRAINT
named [country_pk], available constraints are: [] at
io.crate.shade.org.postgresql.core.v3.QueryExecutorImpl.receiveErrorResponse(QueryExecut
orImpl.java:2440) at
io.crate.shade.org.postgresql.core.v3.QueryExecutorImpl.processResults(QueryExecutorImpl
.java:2183) at
io.crate.shade.org.postgresql.core.v3.QueryExecutorImpl.execute(QueryExecutorImpl.java:3
08) at
io.crate.shade.org.postgresql.jdbc.PgStatement.executeInternal(PgStatement.java:442) at
io.crate.shade.org.postgresql.jdbc.PgStatement.execute(PgStatement.java:366) at
io.crate.shade.org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:308) at
io.crate.shade.org.postgresql.jdbc.PgStatement.executeCachedSql(PgStatement.java:294) at
io.crate.shade.org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:271) at
io.crate.shade.org.postgresql.jdbc.PgStatement.execute(PgStatement.java:267) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeDdlStmtnts(AbstractJdbcSeeder.java
:1260) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1174) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:415)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:100) Processing of
the script was aborted, error code=1
```

## H2 Database Engine

- Issue: dropping unique key constraints - SQL statement `ALTER TABLE COUNTRY DROP CONSTRAINT CONSTRAINT_INDEX_6` (see [here](#)):

```
CREATE TABLE KXN_SCHEMA.COUNTRY ( PK_COUNTRY_ID BIGINT NOT NULL, COUNTRY_MAP BLOB,
CREATED TIMESTAMP NOT NULL, ISO3166 VARCHAR(50), MODIFIED TIMESTAMP, NAME VARCHAR(100)
NOT NULL ); CREATE UNIQUE INDEX CONSTRAINT_INDEX_6 ON KXN_SCHEMA.COUNTRY (NAME);
```

```
2021-07-29 11:48:34,901 [DatabaseSeeder.java] INFO Start H2 Database Engine [client]
org.h2.jdbc.JdbcSQLException: Constraint "CONSTRAINT_INDEX_6" not found; SQL
statement: ALTER TABLE COUNTRY DROP CONSTRAINT CONSTRAINT_INDEX_6 [90057-200] at
org.h2.message.DbException.getJdbcSQLException(DbException.java:576) at
org.h2.message.DbException.getJdbcSQLException(DbException.java:429) at
org.h2.message.DbException.get(DbException.java:205) at
org.h2.message.DbException.get(DbException.java:181) at
org.h2.command.ddl.AlterTableDropConstraint.update(AlterTableDropConstraint.java:41) at
org.h2.command.CommandContainer.update(CommandContainer.java:198) at
org.h2.command.Command.executeUpdate(Command.java:251) at
org.h2.server.TcpServerThread.process(TcpServerThread.java:406) at
org.h2.server.TcpServerThread.run(TcpServerThread.java:183) at
java.base/java.lang.Thread.run(Thread.java:832) at
org.h2.message.DbException.getJdbcSQLException(DbException.java:576) at
```

```
org.h2.engine.SessionRemote.done(SessionRemote.java:611) at
org.h2.command.CommandRemote.executeUpdate(CommandRemote.java:237) at
org.h2.jdbc.JdbcStatement.executeInternal(JdbcStatement.java:228) at
org.h2.jdbc.JdbcStatement.execute(JdbcStatement.java:201) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeSQLStmnts(AbstractJdbcSeeder.java
:1309) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1206) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:408)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:154) Processing of
the script was aborted, error code=1
```

## HSQldb

- Issue: dropping unique key constraints - SQL statement ALTER TABLE COUNTRY DROP CONSTRAINT SYS\_IDX\_SYS\_PK\_10289\_10293 (see [here](#)):

```
CREATE TABLE PUBLIC.KXN_SCHEMA.COUNTRY ( PK_COUNTRY_ID BIGINT NOT NULL, COUNTRY_MAP
BLOB, CREATED TIMESTAMP NOT NULL, ISO3166 VARCHAR(50), MODIFIED TIMESTAMP, NAME
VARCHAR(100) NOT NULL, CONSTRAINT SYS_PK_10095 PRIMARY KEY (PK_COUNTRY_ID) ); CREATE
UNIQUE INDEX SYS_IDX_SYS_CT_10098_10103 ON PUBLIC.KXN_SCHEMA.COUNTRY (NAME); CREATE
UNIQUE INDEX SYS_IDX_SYS_PK_10095_10099 ON PUBLIC.KXN_SCHEMA.COUNTRY (PK_COUNTRY_ID);
```

```
2021-07-29 12:37:21,595 [DatabaseSeeder.java] INFO Start HSQldb [client]
java.sql.SQLException: user lacks privilege or object not found:
SYS_IDX_SYS_PK_10289_10293 at org.hsqldb.jdbc.JDBCUtil.sqlException(Unknown Source) at
org.hsqldb.jdbc.JDBCUtil.sqlException(Unknown Source) at
org.hsqldb.jdbc.JDBCStatement.fetchResult(Unknown Source) at
org.hsqldb.jdbc.JDBCStatement.execute(Unknown Source) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeSQLStmnts(AbstractJdbcSeeder.java
:1309) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1206) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:408)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:166) Caused by:
org.hsqldb.HsqlException: user lacks privilege or object not found:
SYS_IDX_SYS_PK_10289_10293 at org.hsqldb.error.Error.error(Unknown Source) at
org.hsqldb.result.Result.getException(Unknown Source) ... 7 more Processing of the
script was aborted, error code=1
```

## IBM Db2 Database

- Issue: Docker Image from `docker pull ibmcom/db2:11.5.6.0`:

```
2021-07-29 13:09:33,884 [DatabaseSeeder.java] INFO Start IBM Db2 Database
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:321) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.connect(AbstractJdbcSeeder.java:212) at
ch.konnexions.db_seeder.jdbc.ibmdb2.Ibmdb2Seeder.setupDatabase(Ibmdb2Seeder.java:92) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:399)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:178) Processing of
the script was aborted, error code=1

```

## OmniSciDB

- Issue: connection problem with existing OmnisciDB (see [here](#)).

```

2021-07-29 13:52:13,809 [DatabaseSeeder.java] INFO Start OmniSciDB
java.sql.SQLException: Omnisci connection failed -
[Omnisci.java:read:15275:TOmnisciException(error_msg:Sqlite3 Error: disk I/O error)] at
com.omnisci.jdbc.OmnisciConnection.<init>(OmnisciConnection.java:460) at
com.omnisci.jdbc.OmnisciDriver.connect(OmnisciDriver.java:80) at
java.sql/java.sql.DriverManager.getConnection(DriverManager.java:677) at
java.sql/java.sql.DriverManager.getConnection(DriverManager.java:228) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.connect(AbstractJdbcSeeder.java:326) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.connect(AbstractJdbcSeeder.java:275) at
ch.konnexions.db_seeder.jdbc.omnisci.OmnisciSeeder.setupDatabase(OmnisciSeeder.java:93)
at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:399)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:220) Caused by:
TOmnisciException(error_msg:Sqlite3 Error: disk I/O error) at
com.omnisci.thrift.server.Omnisci$connect_result$connect_resultStandardScheme.read(Omnis
ci.java:15275) at
com.omnisci.thrift.server.Omnisci$connect_result$connect_resultStandardScheme.read(Omnis
ci.java:15253) at
com.omnisci.thrift.server.Omnisci$connect_result.read(Omnisci.java:15195) at
org.apache.thrift.TServiceClient.receiveBase(TServiceClient.java:88) at

```

```
com.omnisci.thrift.server.OmniSci$Client.recv_connect(OmniSci.java:406) at
com.omnisci.thrift.server.OmniSci$Client.connect(OmniSci.java:391) at
com.omnisci.jdbc.OmniSciConnection.setSession(OmniSciConnection.java:431) at
com.omnisci.jdbc.OmniSciConnection.<init>(OmniSciConnection.java:452) ... 8 more
Processing of the script was aborted, error code=1
```

## trino

- Issue: all connectors: absolutely unsatisfactory performance (see [here](#)).
- Issue: 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.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.java: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(AbstractJdbcSeeder.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
```

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

- Issue: TrinoDatabaseMetaData support incomplete (see [here](#)).

```
2021-07-29 14:10:36,559 [DatabaseSeeder.java] INFO Start PostgreSQL via trino
java.sql.SQLFeatureNotSupportedException: imported keys not supported at
io.trino.jdbc.TrinoDatabaseMetaData.getImportedKeys(TrinoDatabaseMetaData.java:1066) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:965) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:408)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:250) Processing of
the script was aborted, error code=1
```

## VoltDB

- Issue: Java 16 not yet supported

```
2021-07-26 05:41:19,299 [DatabaseSeeder.java] INFO Start VoltDB
java.lang.NullPointerException: Cannot invoke "io.netty_voltpatches.NinjaKeySet.size()"
because "this.m_ninjaSelectedKeys" is null at
org.voltcore.network.VoltNetwork.optimizedInvokeCallbacks(VoltNetwork.java:478) at
org.voltcore.network.VoltNetwork.run(VoltNetwork.java:329) at
java.base/java.lang.Thread.run(Thread.java:831) Juli 26, 2021 5:41:19 AM
org.voltcore.logging.VoltUtilLoggingLogger log SEVERE: NULL : Throwable:
java.lang.NullPointerException: Cannot invoke "io.netty_voltpatches.NinjaKeySet.size()"
because "this.m_ninjaSelectedKeys" is null java.lang.NullPointerException: Cannot invoke
"io.netty_voltpatches.NinjaKeySet.size()" because "this.m_ninjaSelectedKeys" is null at
org.voltcore.network.VoltNetwork.optimizedInvokeCallbacks(VoltNetwork.java:478) at
org.voltcore.network.VoltNetwork.run(VoltNetwork.java:329) at
java.base/java.lang.Thread.run(Thread.java:831) Juli 26, 2021 5:41:19 AM
org.voltcore.logging.VoltUtilLoggingLogger log SEVERE: NULL : Throwable:
java.lang.NullPointerException: Cannot invoke "io.netty_voltpatches.NinjaKeySet.size()"
because "this.m_ninjaSelectedKeys" is null Juli 26, 2021 5:43:20 AM
org.voltcore.logging.VoltUtilLoggingLogger log WARNING: Connection to VoltDB node at:
localhost:21212 was lost. java.sql.SQLException: Connection closed (CONNECTION_LOST):
'Connection to database host (localhost/127.0.0.1:21212) was lost before a response was
received' at org.voltdb.jdbc.SQLError.get(SQLError.java:60) at
org.voltdb.jdbc.JDBC4Statement$VoltSQL.execute(JDBC4Statement.java:133) at
org.voltdb.jdbc.JDBC4Statement.execute(JDBC4Statement.java:376) at
org.voltdb.jdbc.JDBC4Statement.execute(JDBC4Statement.java:387) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeSQLStmnts(AbstractJdbcSeeder.java
:1319) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropAllTablesIfExists(AbstractJdbcSeeder
.java:784) at
ch.konnexions.db_seeder.jdbc.voltdb.VoltdbSeeder.setupDatabase(VoltdbSeeder.java:105) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:407)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:269) Caused by:
org.voltdb.client.ProcCallException: Connection to database host
(localhost/127.0.0.1:21212) was lost before a response was received at
org.voltdb.client.ClientImpl.internalSyncCallProcedure(ClientImpl.java:461) at
```



```
org.voltdb.client.ClientImpl.callProcedureWithClientTimeoutImpl(ClientImpl.java:311) at
org.voltdb.client.ClientImpl.callProcedureWithClientTimeout(ClientImpl.java:285) at
org.voltdb.jdbc.JDBC4ClientConnection.execute(JDBC4ClientConnection.java:351) at
org.voltdb.jdbc.JDBC4Statement$VoltSQL.execute(JDBC4Statement.java:122) ... 7 more
Processing of the script was aborted, error code=1
```

- Issue: dropping primary key constraints (see [here](#)):

#### 1. DDL Statement: CREATE TABLE

```
CREATE TABLE COUNTRY ( COUNTRY_MAP VARBINARY(1048576), CREATED TIMESTAMP NOT NULL,
ISO3166 VARCHAR(50), MODIFIED TIMESTAMP, NAME VARCHAR(100) NOT NULL, PK_COUNTRY_ID
BIGINT NOT NULL, CONSTRAINT VOLTDB_AUTOGEN_CT__PK_COUNTRY_PK_COUNTRY_ID PRIMARY KEY
(PK_COUNTRY_ID) ); CREATE UNIQUE INDEX VOLTDB_AUTOGEN_IDX_CT_COUNTRY_NAME ON COUNTRY
(NAME); CREATE UNIQUE INDEX VOLTDB_AUTOGEN_IDX_PK_COUNTRY_PK_COUNTRY_ID ON COUNTRY
(PK_COUNTRY_ID);
```

#### 2. DDL Statement: DROP CONSTRAINT

```
ALTER TABLE COUNTRY DROP CONSTRAINT VOLTDB_AUTOGEN_CT__PK_COUNTRY_PK_COUNTRY_ID
```

#### 3. Error message:

```
2021-07-29 15:12:59,724 [DatabaseSeeder.java] INFO Start VoltDB WARNING: An illegal
reflective access operation has occurred WARNING: Illegal reflective access by
io.netty_voltpatches.NinjaKeySet
(file:/D:/SoftDevelopment/Projects/db_seeder/lib/voltdbclient-10.1.1.jar) to field
sun.nio.ch.SelectorImpl.selectedKeys WARNING: Please consider reporting this to the
maintainers of io.netty_voltpatches.NinjaKeySet WARNING: Use --illegal-access=warn to
enable warnings of further illegal reflective access operations WARNING: All illegal
access operations will be denied in a future release java.sql.SQLException: General
Provider Error (GRACEFUL_FAILURE): '[Ad Hoc DDL Input:1]: DDL Error: "object not found:
VOLTDB_AUTOGEN_CT__PK_COUNTRY_PK_COUNTRY_ID"' at
org.voltdb.jdbc.SQLException.get(SQLException.java:60) at
org.voltdb.jdbc.JDBC4Statement$VoltSQL.execute(JDBC4Statement.java:143) at
org.voltdb.jdbc.JDBC4Statement.execute(JDBC4Statement.java:376) at
org.voltdb.jdbc.JDBC4Statement.execute(JDBC4Statement.java:387) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeSQLStmnts(AbstractJdbcSeeder.java
:1337) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1207) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:408)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:280) Caused by:
org.voltdb.client.ProcCallException: [Ad Hoc DDL Input:1]: DDL Error: "object not found:
VOLTDB_AUTOGEN_CT__PK_COUNTRY_PK_COUNTRY_ID" at
org.voltdb.client.ClientImpl.internalSyncCallProcedure(ClientImpl.java:461) at
org.voltdb.client.ClientImpl.callProcedureWithClientTimeoutImpl(ClientImpl.java:311) at
org.voltdb.client.ClientImpl.callProcedureWithClientTimeout(ClientImpl.java:285) at
org.voltdb.jdbc.JDBC4ClientConnection.execute(JDBC4ClientConnection.java:351) at
```



```
org.voltodb.jdbc.JDBC4Statement$VoltSQL.execute(JDBC4Statement.java:122) ... 6 more
Processing of the script was aborted, error code=1
```

## YugabyteDB

- Dropping primary key constraints not yet supported (see [here](#)).

```
2021-07-26 05:20:41,803 [DatabaseSeeder.java] INFO Start YugabyteDB
org.postgresql.util.PSQLException: ERROR: dropping a primary key constraint is not yet
supported at
org.postgresql.core.v3.QueryExecutorImpl.receiveErrorResponse(QueryExecutorImpl.java:243
4) at
org.postgresql.core.v3.QueryExecutorImpl.processResults(QueryExecutorImpl.java:2179) at
org.postgresql.core.v3.QueryExecutorImpl.execute(QueryExecutorImpl.java:307) at
org.postgresql.jdbc.PgStatement.executeInternal(PgStatement.java:441) at
org.postgresql.jdbc.PgStatement.execute(PgStatement.java:365) at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:307) at
org.postgresql.jdbc.PgStatement.executeCachedSql(PgStatement.java:293) at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:270) at
org.postgresql.jdbc.PgStatement.execute(PgStatement.java:266) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.executeSQLStmnts(AbstractJdbcSeeder.java
:1319) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.dropTableConstraints(AbstractJdbcSeeder.
java:1216) at
ch.konnexions.db_seeder.jdbc.AbstractJdbcSeeder.createData(AbstractJdbcSeeder.java:417)
at ch.konnexions.db_seeder.DatabaseSeeder.main(DatabaseSeeder.java:274) Processing of
the script was aborted, error code=1
```

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