

DBSeeder - Release Notes

build passing release v3.0.0 release date last saturday github repo or version not found

Version 3.0.1

Release Date: 03.08.2021

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`

Modified Features

- CUBRID: JDBC 11.0.1.0291
- Exasol: JDBC 7.0.11
- TimescaleDB: DBMS 2.4.0-pg13
- trino: DBMS 360 / JDBC 360

Open issues

- CockroachDB: (see [here](#))
 - IBM Db2 Database: (see [here](#))
 - OmnisciDB: (see [here](#))
 - trino: (see [here](#))
 - VoltDB: (see [here](#))
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Windows 10 Performance Snapshot

DBMS	Type	ms	Constraints	Improvement
HSQLDB	embedded	2'907	active	-3.4%
H2 Database Engine	embedded	3'250	active - no choice	
PostgreSQL	client	3'880	inactive	2.7%
MariaDB Server	client	3'919	active	-84.3%
TimescaleDB	client	3'990	inactive	2.2%
AgensGraph	client	4'125	inactive	4.7%
SQLite	embedded	4'324	active - no choice	
Exasol	client	4'506	active	-4.9%
MS SQL Server	client	5'341	active	-0.4%
CrateDB	client	5'454	active - no choice	
CockroachDB	client	5'823	active - no choice	
CUBRID	client	6'331	active	-2.3%
MySQL Database	client	6'784	active	-184.2%
Percona Server for MySQL	client	6'922	active	-159.6%
H2 Database Engine	client	7'575	active - no choice	
Mimer SQL	client	9'306	inactive	2.8%
MonetDB	client	9'546	inactive	21.2%
Oracle Database	client	13'133	active	-14.5%
YugabyteDB	client	13'188	active	-2.1%
VoltDB	client	14'003	active - no choice	
Apache Derby	client	15'669	active	-1.4%
Apache Derby	embedded	17'381	active	-7.8%
HSQLDB	client	18'098	active	-2.5%
IBM Informix	client	19'742	inactive	0.2%
IBM Db2 Database	client	24'034	active	-4.9%
OmniSciDB	client	37'719	active - no choice	
Firebird	client	73'070	inactive	26.2%
PostgreSQL	trino	478'058	active - no choice	
MS SQL Server	trino	1'023'934	active - no choice	
Oracle Database	trino	1'553'918	active - no choice	
MySQL Database	trino	1'719'739	active - no choice	

- **DBMS** - official DBMS name
- **Type** - client version, embedded version or via trino
- **ms** - total time of DDL and DML operations in milliseconds
- **Constraints** - DML operations with active or inactive constraints (foreign, primary and unique key)
- **Improvment** - improvement of total time if constraints are inactive

Detailed Open Issues

CockroachDB

- Issue: dropping and restoring the same index - SQL statement `DROP INDEX constraint_kxn_2 CASCADE` (see [here](#)).

IBM Db2 Database

- Issue: Docker Image from `docker pull ibmcom/db2:11.5.6.0` (see [here](#)).

OmniSciDB

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

trino

- Issue: all connectors: absolutely unsatisfactory performance (see [here](#)).
- Issue: Oracle connector: Oracle session not disconnected (see [here](#)).
- Issue: Oracle connector: Support Oracle's NUMBER data type (see [here](#)).

VoltDB

- Issue: Java 16 not yet supported: `java.lang.NullPointerException: Cannot invoke "io.netty_voltpatches.NinjaKeySet.size()" because "this.m_ninjaSelectedKeys" is null`
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