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n this session we will configure camunda with PostGreSQL DB. By default camunda uses h2 database.

# **1. Software required**

* Download Community version of Camunda camunda-bpm-tomcat-7.14.0.zip

Camunda PostGreSQL DB Configuration

[Camunda](https://camunda.com/download/)

* Download JDK 8.

[JDK 8](http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html)

* Download PostGreSQL Database

PostgreSQL(11.5-1)

<https://www.postgresql.org/ftp/pgadmin/pgadmin4/v4.11/windows/>

* pgAdmin 4 tool

<https://www.postgresql.org/ftp/pgadmin/pgadmin4/v4.30/windows/>

# **2. MySql JDBC Driver**

**2.1 Download PostgreSQL JDBC Driver(postgresql-42.2.6.jar)**

<https://repo1.maven.org/maven2/org/postgresql/postgresql/42.2.18/postgresql-42.2.18.jar>

It is assumed that you have installed and configured Java, Camunda and PostgreSQL.

**Java Version Check:**

G:\Camunda\Softwares\camunda-bpm-tomcat-7.10.0\server\apache-tomcat-9.0.12\bin>java -version

java version "1.8.0\_191"

Java(TM) SE Runtime Environment (build 1.8.0\_191-b12)

Java HotSpot(TM) 64-Bit Server VM (build 25.191-b12, mixed mode)

**PostgreSql Version Check:**

C:\Program Files\PostgreSQL\11\bin>postgres -V

postgres (PostgreSQL) 11.5

**JDBC Driver**

postgresql-42.2.18.jar

**Create Database Schema:**

CREATE DATABASE 'camunda714db`

**Import Camunda SQL Script to created database** 'camunda714db`

* postgresql-42.2.18.jar is required to setup database connection from camunda to MySql database.
* Copy postgresql-42.2.18.jar into H:\CAMUNDA\camunda714\server\apache-tomcat-9.0.33\lib directory

# **3. Configure Tomcat JDBC Resource**

To configure a JDBC Resource you have to edit the file $TOMCAT\_HOME/conf/server.xml.

In our case it will be

H:\CAMUNDA\camunda713\server\apache-tomcat-9.0.33\conf\server.xml

Inside <GlobalNamingResources></GlobalNamingResources> tag replace the

<Resource name="jdbc/ProcessEngine"

auth="Container"

type="javax.sql.DataSource"

factory="org.apache.tomcat.jdbc.pool.DataSourceFactory"

uniqueResourceName="process-engine"

driverClassName="org.h2.Driver"

url="jdbc:h2:./camunda-h2-dbs/process-engine;MVCC=TRUE;TRACE\_LEVEL\_FILE=0;DB\_CLOSE\_ON\_EXIT=FALSE"

defaultTransactionIsolation="READ\_COMMITTED"

username="sa"

password="sa"

maxActive="20"

minIdle="5"

maxIdle="20" />

By

<Resource name="jdbc/ProcessEngine"

auth="Container"

type="javax.sql.DataSource"

factory="org.apache.tomcat.jdbc.pool.DataSourceFactory"

uniqueResourceName="process-engine"

driverClassName="org.postgresql.Driver"

url="jdbc:postgresql://localhost:5432/camunda714db"

defaultTransactionIsolation="READ\_COMMITTED"

username="postgres"

password="admin@123"

maxActive="20"

minIdle="5"

maxIdle="20" />

# **4. Create MySql Database**

* In above configuration for JDBC resource we have used camunda713db schema.
* Create new database camunda714db.
* Import the Camunda database tables for PostgreSQL into camunda714db schema.

Import below .sql queries to camunda714db database.

camunda-bpm-tomcat-7.14.0\sql\create\mysql\_engine\_7.14.0.sql

camunda-bpm-tomcat-7.14.0\sql\create\mysql\_identity\_7.14.0.sql

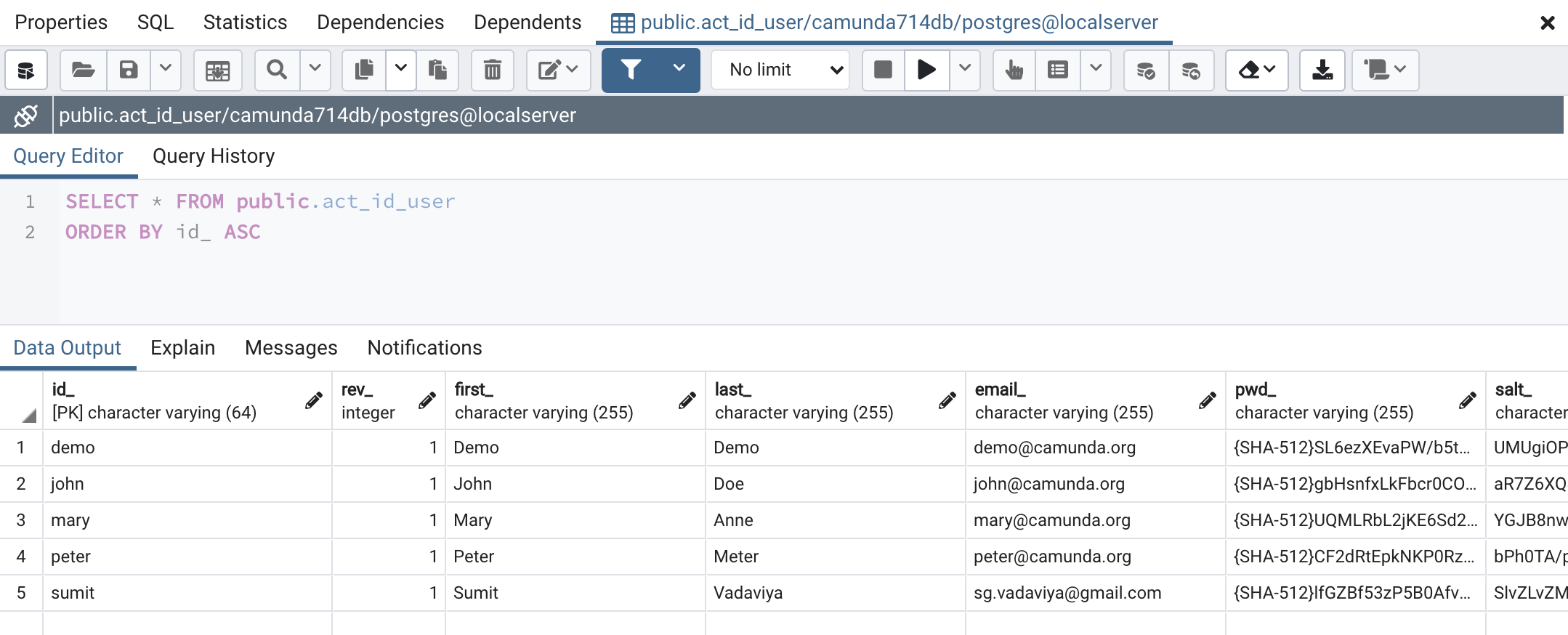
# **5. Start camunda server**

camunda-bpm-tomcat-7.14.0\start-camunda.bat

# **6. Verify database configuration by creating a user from Camunda Admin Application**

Press Create new user button.

Check database table



You are done with Camunda configuration with PostGreSql Database.