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n this session we will configure Activiti BPM with MySQL DB. By default Activiti uses h2 database.

# **1. Software required**

* Download MySql Database

Activiti BPM MySQL Configuration

<https://dev.mysql.com/downloads/mysql/>

* MySql Workbench

<https://dev.mysql.com/downloads/workbench/>

# **2. MySql JDBC Driver**

**2.1 Download MySql Driver(mysql-connector-java-8.0.21.jar)**

[MySql JDBC driver](https://repo1.maven.org/maven2/mysql/mysql-connector-java/8.0.12/mysql-connector-java-8.0.21.jar)

* **mysql-connector-java-8.0.21.jar** is required to setup database connection from Activiti BPM to MySql database.

# **3. Integrate MySQL with Activiti BPM**

# **3.1** Copymysql-connector-java-8.0.21.jar into Trainosoft/Softwares/apache-tomcat-9.0.41/lib directory

# **3.2** Configure activiti-admin application

# Update MySQL database related properties from activiti-admin.properties.

# Open Trainosoft/Softwares/apache-tomcat-9.0.41/webapps/activiti-admin/WEB-INF/classes/META-INF/activiti-admin/activiti-admin.properties

# MySQL example

datasource.driver=com.mysql.cj.jdbc.Driver

datasource.url=jdbc:mysql://127.0.0.1:3306/activiti6db-training?characterEncoding=UTF-8

datasource.username=root

datasource.password=admin@123

hibernate.dialect=org.hibernate.dialect.MySQLDialect

#

# Connection pool (see http://www.mchange.com/projects/c3p0/#configuration)

#

datasource.min-pool-size=5

datasource.max-pool-size=100

datasource.acquire-increment=5

# test query for H2, MySQL, PostgreSQL and Microsoft SQL Server

datasource.preferred-test-query=select 1

# **3.2 Configure activiti-app application**

# Update MySQL database related properties from activiti-app.properties.

# Open Trainosoft/Softwares/apache-tomcat-9.0.41/webapps/activiti-app/WEB-INF/classes/META-INF/activiti-app/activiti-app.properties

# Set following datasource related properties

datasource.driver=com.mysql.cj.jdbc.Driver

datasource.url=jdbc:mysql://127.0.0.1:3306/activiti6db-training?characterEncoding=UTF-8

datasource.username=root

datasource.password=admin@123

hibernate.dialect=org.hibernate.dialect.MySQLDialect

# **Replace liquibase-core-3.1.0.jar by liquibase-core-4.3.1.jar to activiti-admin and activiti-app**

# Navigate to /Volumes/Trainings/Activiti/Trainosoft/Softwares/apache-tomcat-9.0.41/webapps/activiti-admin/WEB-INF/lib and replace **liquibase-core-3.1.0.jar by liquibase-core-4.3.1.jar**

# **3.3 Configure activiti-admin application**

# Open/Volumes/Trainings/Activiti/Trainosoft/Softwares/apache-tomcat-9.0.41/webapps/activiti-admin/WEB-INF/classes/META-INF/activiti-admin/activiti-admin.properties

# Set following datasource related properties

datasource.driver=com.mysql.cj.jdbc.Driver

datasource.url=jdbc:mysql://127.0.0.1:3306/activiti6db-training?characterEncoding=UTF-8

datasource.username=root

datasource.password=admin@123

hibernate.dialect=org.hibernate.dialect.MySQLDialect

datasource.min-pool-size=5

datasource.max-pool-size=100

datasource.acquire-increment=5

# test query for H2, MySQL, PostgreSQL and Microsoft SQL Server

datasource.preferred-test-query=select 1

# Navigate to /Volumes/Trainings/Activiti/Trainosoft/Softwares/apache-tomcat-9.0.41/webapps/activiti-app/WEB-INF/lib replace **liquibase-core-3.1.0.jar by liquibase-core-4.3.1.jar**

# **3.4** Create new schema

# CREATE SCHEMA `activiti6db-training` ;

# **3.4** Import activiti DB SQL script from

# Trainosoft/Softwares/activiti-6.0.0/database/create/activiti.mysql.create.engine.sql

# Trainosoft/Softwares/activiti-6.0.0/database/create/activiti.mysql.create.history.sql

# Trainosoft/Softwares/activiti-6.0.0/database/create/activiti.mysql.create.identity.sql

# **4. Restart tomcat server**

# **4. Verify MySQL database configuration with Activiti**

# Create new user

# Press Save button.

# **Query the DB table:**