

Connecting from Local glassfish to Amazon RDS database

GlassFish 4.1.2

AmazonRDS

JDBC Driver: mysql-connector-java-8.0.19

Connected via JDBC Connection Pool to Amazon RDS

Note: @JSONTransient annotation is not internally shipped with GF 4.1.2

Additional library is required javax.json.bind-api-1.0 to be added in project to support it.

Persistence.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<persistence version="2.1" xmlns="http://xmlns.jcp.org/xml/ns/persistence"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/persistence
http://xmlns.jcp.org/xml/ns/persistence/persistence_2_1.xsd">

  <persistence-unit name="WebApplication2PU" transaction-type="JTA">

    <provider>org.eclipse.persistence.jpa.PersistenceProvider</provider>

    <jta-data-source>awsresource</jta-data-source>

    <exclude-unlisted-classes>false</exclude-unlisted-classes>

    <shared-cache-mode>NONE</shared-cache-mode>

    <properties>

      <property name="eclipselink.logging.level" value="FINEST"/>

      <property name="javax.persistence.schema-generation.database.action" value="drop-and-create"/>

      <property name="javax.persistence.sql-load-script-source" value="dml.sql"/>

    </properties>

  </persistence-unit>

</persistence>
```

Connecting from Local glassfish to Amazon RDS database

GlassFish 5.0.1

AmazonRDS

JDBC Driver: mysql-connector-java-5.1.48

Connected via Application configuration java:app/resource to Amazon RDS

Note: JDBC Driver: **mysql-connector-java-8.0.19** was giving classname not found error.

Glassfish-resources.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE resources PUBLIC "-//GlassFish.org//DTD GlassFish Application Server 3.1 Resource
Definitions//EN" "http://glassfish.org/dtds/glassfish-resources_1_5.dtd">

<resources>

    <jdbc-connection-pool allow-non-component-callers="false" associate-with-thread="false"
connection-creation-retry-attempts="0" connection-creation-retry-interval-in-seconds="10" connection-
leak-reclaim="false" connection-leak-timeout-in-seconds="0" connection-validation-method="auto-
commit" datasource-classname="com.mysql.jdbc.jdbc2.optional.MysqlDataSource" fail-all-
connections="false" idle-timeout-in-seconds="300" is-connection-validation-required="false" is-
isolation-level-guaranteed="true" lazy-connection-association="false" lazy-connection-
enlistment="false" match-connections="false" max-connection-usage-count="0" max-pool-size="32"
max-wait-time-in-millis="60000" name="mysql_holidays_akshayPool_1" non-transactional-
connections="false" pool-resize-quantity="2" res-type="javax.sql.DataSource" statement-timeout-in-
seconds="-1" steady-pool-size="8" validate-atmost-once-period-in-seconds="0" wrap-jdbc-
objects="false">

        <property name="serverName" value="database-1.c1.ap-south-1.rds.amazonaws.com"/>

        <property name="portNumber" value="3306"/>

        <property name="databaseName" value="mydb"/>

        <property name="User" value="myuser"/>

        <property name="Password" value="mypasword"/>

        <property name="useSSL" value="false"/>

        <property name="allowPublicKeyRetrieval" value="true"/>

        <property name="serverTimezone" value="UTC"/>

        <property name="URL" value="jdbc:mysql://database-1.cvgjpx1kicxg.ap-south-
1.rds.amazonaws.com:3306/holidays"/>

        <property name="driverClass" value="com.mysql.cj.jdbc.Driver"/>

    </jdbc-connection-pool>

    <jdbc-resource enabled="true" jndi-name="java:app/test" object-type="user" pool-
name="mysql_holidays_akshayPool_1"/>

</resources>
```

Persistence.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<persistence version="2.1" xmlns="http://xmlns.jcp.org/xml/ns/persistence"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/persistence
http://xmlns.jcp.org/xml/ns/persistence/persistence_2_1.xsd">

  <persistence-unit name="WebApplication2PU" transaction-type="JTA">

    <provider>org.eclipse.persistence.jpa.PersistenceProvider</provider>

    <jta-data-source>java:app/test</jta-data-source>

    <exclude-unlisted-classes>false</exclude-unlisted-classes>

    <shared-cache-mode>NONE</shared-cache-mode>

    <properties>

      <property name="eclipselink.logging.level" value="FINEST"/>

      <property name="javax.persistence.schema-generation.database.action" value="drop-and-create"/>

      <property name="javax.persistence.sql-load-script-source" value="dml.sql"/>

    </properties>

  </persistence-unit>

</persistence>
```