

Cloud Consulting Services

# Payroll On Cloud

A document for setting the configuration on cloud

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## I. Maven dependencies added

At pom.xml

```
<dependency>
  <groupId>com.sap.cloud.db.jdbc</groupId>
  <artifactId>ngdbc</artifactId>
  <version>2.4.76</version>
</dependency>

</dependencies>
```

### **Link: SAP HANA JDBC Driver**

Provides connectivity to HANA Databases in Java applications.

## II. Spring and hibernate configurations to generate DDL scripts and Tables using entity classes

Hbm2ddl property

- *validate*: validate the schema, makes no changes to the database.
- *update*: update the schema.
- *create*: creates the schema, destroying previous data.
- *create-drop*: drop the schema when the SessionFactory is closed explicitly, typically when the application is stopped.
- *none*: does nothing with the schema, makes no changes to the database

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## At springConfig.xml

```
class="com.mchange.v2.c3p0.ComboPooledDataSource"
destroy-method="close">
<property name="driverClass" value="com.sap.cloud.db.jdbc" />
<property name="jdbcUrl" value="jdbc:sap://vadbirn.nwtrial.od.sap.biz:30152/?autocommit=false"/>
<property name="user" value="PAYROLLUSER" />
<property name="password" value="PayrollUser123" />

<!-- these are connection pool properties for C3P0 -->
<property name="minPoolSize" value="5" />
<property name="maxPoolSize" value="20" />
<property name="maxIdleTime" value="30000" />
<property name="initialPoolSize" value="5" />

</bean>

<!-- Step 2: Setup Hibernate session factory -->
<bean id="sessionFactory"
class="org.springframework.orm.hibernate5.LocalSessionFactoryBean">
<property name="dataSource" ref="myDataSource" />
<property name="packagesToScan"
value="com.entities" />
<property name="hibernateProperties">
<props>
<prop key="hibernate.dialect">org.hibernate.dialect.SAPDBDialect</prop>
<prop key="hibernate.show_sql">true</prop>
<prop key="hibernate.hbm2ddl.auto">create-drop</prop>

</props>
</property>
</bean>
```

NB: use the SAPDBDialect to create the tables on SAP HANA DB