Cloud Consulting Services

Payroll On Cloud

A document for setting the configuration on cloud



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 classesHbm2ddl 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

At springConfig.xml

```
class="com.mchange.v2.c3p0.ComboPooledDataSource"
   destroy-method="close">
   property name="driverClass" value="com.sap.cloud.db.jdbc" />
   property name="password" value="PayrollUser123" />
   <!-- these are connection pool properties for C3PO -->
   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"</pre>
   class="org.springframework.orm.hibernate5.LocalSessionFactoryBean">
   property name="dataSource" ref="myDataSource" />
   property name="packagesToScan"
      value="com.entities" />
   property name="hibernateProperties">
      ops>
         prop key="hibernate.show_sql">true</prop>
         prop key="hibernate.hbm2ddl.auto">create-drop
      </props>
   </property>
</bean>
```

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

- III. At your SAP HANA DB instance login as PAROLLUSER
 - Create your schema for example payrollschema
 - SQL --> CREATE SCHEMA payrollschema;
 - Then make it as you default schema
 - SQL -->SET SCHEMA payrollschema;
- IV. At SAP HANA Web-based Development Workbench: Catalog

Choose new sequence then generate the sequence of generating the index of primary keys at your schema