PROVIDER

```xml
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0">
    <modelVersion>4.0.0</modelVersion>

    <groupId>org.formacion</groupId>
    <artifactId>main</artifactId>
    <version>1.0-SNAPSHOT</version>

    <properties>
        <maven.compiler.source>1.8</maven.compiler.source>
        <maven.compiler.target>1.8</maven.compiler.target>
    </properties>

    <dependencies>

        <dependency>
            <groupId>org.eclipse.persistence</groupId>
            <artifactId>org.eclipse.persistence.jpa</artifactId>
            <version>2.7.1</version>
        </dependency>

        <dependency>
            <groupId>com.h2database</groupId>
            <artifactId>h2</artifactId>
            <version>1.4.196</version>
            <scope>runtime</scope>
        </dependency>

    </dependencies>

</project>
```

Cambiamos Hibernate por EclipseLink

```xml
<persistence xmlns="http://xmlns.jcp.org/xml/ns/persistence"
             version="2.1">

    <persistence-unit name="jpa_main"  >

        <properties>
            <property name="javax.persistence.jdbc.url" value="jdbc:h2:mem:test" />
            <property name="javax.persistence.schema-generation.database.action" value="create"/>

            <property name="eclipselink.logging.level" value="FINE" />
            <property name="hibernate.show_sql" value="true" />
        </properties>

    </persistence-unit>

</persistence>
```

Propiedad específica de logging en eclipselink

Esta propiedad será ignorada

¿Funcionará?

Tabs: `main/pom.xml` · `Persona.java` · **Main.java** · `persistence.xml`

```java
 8
 9   public class Main {
10
11⊖     public static void main(String[] args) {
12
13         EntityManagerFactory emf = Persistence.createEntityManagerFactory("jpa_main");
14
15         EntityManager em = emf.createEntityManager();
16
17         em.getTransaction().begin();
18
19         Persona nueva = new Persona();
20         nueva.setNombre("nombre");
21
22         em.persist(nueva);
23
24         em.getTransaction().commit();
25
26         emf.close();
27
28     }
```

Persona... is not a known Entity Type

Problems   @ Javadoc   Declaration   Console ✖

\<terminated\> Main [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_131.jdk/Contents/Home/bin/java (30 ene. 2018 13:16:27)
[EL Info]: 2018-01-30 13:16:28.011--ServerSession(1908316405)--Thread(Thread[main,5,main])--EclipseLink, version: Eclipse Persistence Services - 2.7
[EL Fine]: connection: 2018-01-30 13:16:28.168--Thread(Thread[main,5,main])--Detected database platform: org.eclipse.persistence.platform.database.H
[EL Config]: connection: 2018-01-30 13:16:28.176--ServerSession(1908316405)--Connection(438135304)--Thread(Thread[main,5,main])--connecting(Database
        platform=>H2Platform
        user name=> ""
        datasource URL=> "jdbc:h2:mem:test"
))
[EL Config]: connection: 2018-01-30 13:16:28.178--ServerSession(1908316405)--Connection(1131316523)--Thread(Thread[main,5,main])--Connected: jdbc:h2
        User:
        Database: H2 Version: 1.4.196 (2017-06-10)
        Driver: H2 JDBC Driver Version: 1.4.196 (2017-06-10)
[EL Info]: connection: 2018-01-30 13:16:28.182--ServerSession(1908316405)--Thread(Thread[main,5,main])--/file:/Users/domingo/treball/udemy/jpa_avanz
[EL Warning]: metamodel: 2018-01-30 13:16:28.2--Thread(Thread[main,5,main])--The collection of metamodel types is empty. Model classes may not have
Exception in thread "main" java.lang.IllegalArgumentException: Object: org.formacion.jpa.domain.Persona@27d415d9 is not a known Entity type.
        at org.eclipse.persistence.internal.sessions.UnitOfWorkImpl.registerNewObjectForPersist(UnitOfWorkImpl.java:4324)
        at org.eclipse.persistence.internal.jpa.EntityManagerImpl.persist(EntityManagerImpl.java:593)
        at org.formacion.jpa.main.Main.main(Main.java:22)

```xml
<persistence xmlns="http://xmlns.jcp.org/xml/ns/persistence"
             version="2.1">

    <persistence-unit name="jpa_main"  >

        <class>org.formacion.jpa.domain.Persona</class>

        <properties>
            <property name="javax.persistence.jdbc.url" value="jdbc:h2:mem:test" />
            <property name="javax.persistence.schema-generation.database.action" value="create"/>

            <property name="hibernate.show_sql" value="true" />
            <property name="eclipselink.logging.level" value="FINE" />
        </properties>

    </persistence-unit>

</persistence>
```

JPA Spec: Entity Packaging

In Java SE environments, the metadata mapping files, jar files, and classes described in the following sections can be used. To insure the portability of a Java SE application, it is necessary to explicitly list the managed persistence classes that are included in the persistence unit using the `class` element of the `persistence.xml` file. See Section 8.2.1.6.