

Spring Professional Exam Tutorial v5.0

Question 21

Question 21 - What do you need to do in Spring if you would like to work with JPA?

Following steps are required to work with JPA in Spring Framework:

- ▶ **Declare maven dependencies:**
 - ▶ JPA API - `javax.persistence:javax.persistence-api`
 - ▶ Spring ORM - `org.springframework:spring-orm`
 - ▶ ORM of your choice, for example - `org.hibernate:hibernate-core`
 - ▶ Database Driver, for example - `org.hsqldb:hsqldb`
 - ▶ Optionally, but recommended, Spring Data JPA - `org.springframework.data:spring-data-jpa`
- ▶ **Define DataSource Bean**
- ▶ **Define PlatformTransactionManager, in case of JPA** `JpaTransactionManager`
- ▶ **Define EntityManagerFactoryBean**
 - ▶ `LocalContainerEntityManagerFactoryBean` for standalone application
 - ▶ `EntityManagerFactory` from JNDI
 - ▶ `LocalEntityManagerFactoryBean` for Test purposes
- ▶ **Define @Entity classes with at least on @Id field**
- ▶ **Define DAO classes, or use Spring Data JPA Repositories**

