

Spring Professional Exam Tutorial v5.0

Question 20

Question 20 - How are DataSource and JdbcTemplate auto-configured?

DataSource and JdbcTemplate are configured by Auto Configuration Classes defined in `spring-boot-autoconfigure` module.

DataSource is configured by `DataSourceAutoConfiguration`, JdbcTemplate is configured by `JdbcTemplateAutoConfiguration`.

`DataSourceAutoConfiguration` requires some properties to be defined, example below shows MySQL configuration:

```
spring.datasource.url=jdbc:mysql://localhost:3306/spring-tutorial
spring.datasource.username=spring-tutorial
spring.datasource.password=spring-tutorial
```

Above properties will be injected into `DataSourceProperties` by the prefix `spring.datasource` and used by `DataSourceAutoConfiguration`.

After having Auto Configuration enabled by default in Spring Boot, configured properties and Database Connector on your classpath, you can just use `@Autowired` to inject DataSource or JdbcTemplate.

