

# Spring Professional Exam Tutorial v5.0

## Question 03

## Question 03 - How can you create a shared application context in a JUnit integration test?

“Shared Application Context” can be considered as:

- ▶ Sharing Context **Definition**
- ▶ Sharing Context **Instance**

Context **Definition** can be shared between tests in following way:

- ▶ Use **Base Class** for All Tests which will contain `@ContextConfiguration` and other annotations, like for example `@ActiveProfiles` etc.
- ▶ Use **Custom Annotation** that will contain context configuration
- ▶ Use **Test Configuration that Inherits Application Configuration**
- ▶ Use **Base Interface** for all Tests that will contain context configuration

Context **Instance** is shared by default between all tests, as long as requested context matches one that is already cached.

Context will be reused as long as `@ContextConfiguration` (locations, classes, initializers, ...), `@ActiveProfiles`, `@TestPropertySource` attributes are matched. To see full list of attributes that needs to be matched, you can look at `MergedContextConfiguration` class that is used as key to `ContextCache`.

You can use `@DirtiesContext` annotation to force Spring to create new instance of context for test.

