



Vendor: VMware

Exam Code: 2V0-72.22

Exam Name: Spring Professional Develop

Version: DEMO

QUESTION 1

If a class is annotated with `@Component`, what should be done to have Spring automatically detect the annotated class and load it as a bean? (Choose the best answer.)

- A. Ensure a valid bean name in the `@Component` annotation is specified.
- B. Ensure a valid `@ComponentScan` annotation in the Java configuration is specified.
- C. Ensure a valid `@Scope` for the class is specified.
- D. Ensure a valid `@Bean` for the class is specified.

Answer: B

Explanation:

To autodetect these classes and register the corresponding beans, you need to add `@ComponentScan` to your `@Configuration` class.

Reference: <https://docs.spring.io/spring-framework/docs/current/reference/html/core.html#spring-core>

QUESTION 2

Which two statements about the `@Autowired` annotation are true? (Choose two.)

- A. `@Autowired` fields are injected after any config methods are invoked.
- B. Multiple arguments can be injected into a single method using `@Autowired`.
- C. By default, if a dependency cannot be satisfied with `@Autowired`, Spring throws a `RuntimeException`.
- D. If `@Autowired` is used on a class, field injection is automatically performed for all dependencies.
- E. `@Autowired` can be used to inject references into `BeanPostProcessor` and `BeanFactoryPostProcessor`.

Answer: BC

QUESTION 3

Which two statements about pointcut expressions are true? (Choose two.)

- A. A pointcut expression cannot specify the type of parameters.
- B. A pointcut expression will throw an exception if no methods are matched.
- C. A pointcut expression cannot have a wildcard for a method name.
- D. A pointcut expression can include operators such as the following: `&&` (and), `||` (or), `!` (not).
- E. A pointcut expression can be used to select join points which have been annotated with a specific annotation.

Answer: DE

Explanation:

Reference: <https://www.baeldung.com/spring-aop-pointcut-tutorial>

QUESTION 4

Which two statements are correct regarding the `@EnableAutoConfiguration` annotation? (Choose two.)

- A. It is a meta-annotation on the `@SpringBootApplication` composed annotation.
- B. It enables auto-configuration of the `ApplicationContext` by attempting to guess necessary

beans.

- C. It is meta-annotation on the @SpringBootConfiguration composed annotation.
- D. It has the same effect regardless of the package of the class that is annotated with it.
- E. It ensures auto-configuration is applied before user-defined beans have been registered.

Answer: AB

Explanation:

Enable auto-configuration of the Spring Application Context, attempting to guess and configure beans that you are likely to need.

Reference: <https://docs.spring.io/spring-boot/docs/current/api/org/springframework/boot/autoconfigure/EnableAutoConfiguration.html>

QUESTION 5

Which two use cases can be addressed by the method level security annotation @PreAuthorize? (Choose two.)

- A. Allow access to a method based on user identity.
- B. Allow access to a method based on the returned object.
- C. Allow access to a method based on HTTP method.
- D. Allow access to a method based on request URL.
- E. Allow access to a method based on roles.

Answer: AE

QUESTION 6

Which two statements are true concerning constructor injection? (Choose two.)

- A. If there is only one constructor the @Autowired annotation is not required.
- B. Constructor injection only allows one value to be injected.
- C. Constructor injection is preferred over field injection to support unit testing.
- D. Construction injection can be used with multiple constructors without @Autowired annotation.
- E. Field injection is preferred over constructor injection from a unit testing standpoint.

Answer: AC

Explanation:

As of Spring Framework 4.3, an @Autowired annotation on such a constructor is no longer necessary if the target bean only defines one constructor to begin with.

QUESTION 7

Which two options are valid optional attributes for Spring's @Transactional annotation? (Choose two.)

- A. isolation
- B. writeOnly
- C. nestedTransaction
- D. readWrite
- E. propagation

Answer: AE

Explanation:

[@Transactional\(propagation = Propagation.SUPPORTS, readOnly = true\)](https://www.baeldung.com/transaction-configuration-with-jpa-and-spring)
<https://docs.spring.io/spring-framework/docs/current/javadoc-api/org/springframework/transaction/annotation/Transactional.html>

QUESTION 8

Which two statements are true about Spring Boot and Spring Data JPA? (Choose two.)

- A. @EntityScan and spring.jpa.* properties can be used to customize Spring Data JPA.
- B. Any kind of Hibernate property can be passed to Spring Data JPA like spring.jpa.properties.xxx.
- C. Spring Data JPA is the only implementation for relational databases.
- D. Scanning of JPA Entities can not be customized, the whole classpath is scanned.
- E. Embedded Databases (H2, HSQLDB, Derby) are not re-created during the startup.

Answer: CE

Explanation:

Reference: <https://docs.spring.io/spring-boot/docs/1.5.14.RELEASE/reference/html/boot-features-sql.html>

QUESTION 9

Refer to the exhibit. Based on the default Spring behavior, choose the correct answer. (Choose the best answer.)

```
@Configuration
public class MyConfig {
    @Bean
    public AccountRepository accountRepository() {
        return new JdbcAccountRepository() ;
    }
    @Bean
    public TransferService transferService() {
        TransferServiceImpl service = new TransferServiceImpl() ;
        service.setAccountRepository(accountRepository()) ;
        return service;
    }
    @Bean
    public AccountService accountService() {
        return new AccountServiceImpl(accountRepository()) ;
    }
}
```

- A. One AccountRepository bean will be instantiated since the default scope is singleton.
- B. Three AccountRepository beans will be instantiated as the accountRepository() method will be called three times.
- C. Many AccountRepository beans will be instantiated, depending how often accountRepository(), transferService() and accountService() are called.
- D. Two AccountRepository beans will be instantiated as the accountRepository() method will be called two times.

Answer: A

QUESTION 10

Refer to the exhibit. Which two statements are correct regarding the HelloAutoConfig auto-configuration class when it is specified in the META-INF/spring.factories file? (Choose two.)

```
@Configuration
@ConditionalOnClass (HelloService.class)
public class HelloAutoConfig {
    @ConditionalOnMissingBean (HelloService.class)
    @Bean
    HelloService helloService() {
        return new TypicalHelloService ();
    }
}
```

- A. A HelloService bean will be created from the helloService() method even if the HelloService.class is not in the classpath.
- B. A HelloService bean will be created from the helloService() method only when there is no other HelloService bean in the ApplicationContext.
- C. This auto-configuration class is used only when the HelloService.class is not on the classpath.
- D. This auto-configuration class is used only when the HelloService.class is on the classpath.
- E. A HelloService bean will be created from the helloService() method and will replace existing a HelloService bean in the ApplicationContext.

Answer: BD

<https://docs.spring.io/spring-boot/docs/1.2.5.RELEASE/reference/html/boot-features-developing-auto-configuration.html#boot-features-class-conditions>

<https://docs.spring.io/spring-boot/docs/1.2.5.RELEASE/reference/html/boot-features-developing-auto-configuration.html#boot-features-bean-conditions>

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