Advanced spring interview questions answers

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What is dependency injection in spring interview questions? Q4. What Is Dependency Injection? Dependency injection, an aspect of Inversion of Control (IoC), is a general concept stating that we do not create our objects manually but instead describe how they should be created. Then an IoC container will instantiate required classes if needed.

Which of the following features of Spring takes care of the application object life cycle along with their dependencies? Provides provision of creation and management of the configurations and defining the lifecycle of application objects. Spring has a special design principle which is known as IoC (Inversion of Control) that supports objects to give their dependencies rather than looking for creating dependent objects.

How to learn spring for interview?

What is application context in spring boot interview questions? Using the ApplicationContext object in Spring Boot, we can retrieve a list of all the beans in our application. The ApplicationContext is responsible for managing the beans and their dependencies.

What is the difference between 6 inject and autowired annotation? The behaviour of the @Autowired annotation is similar to the @Inject annotation. The only difference is that the @Autowired annotation is part of the Spring framework. This annotation has the same execution paths as the @Inject annotation, listed in order of precedence: Match by Type.

Which dependency injection is better in Spring and why? In the constructor injection technique, an object's required components become arguments on its constructor. Spring will recognize public constructors as valid sites of injection. This is also the preferred method since we are typically sure once an object gets created, its composition doesn't change.

What is the difference between IOC and Dependency Injection? In other words, IOC is a principle that allows for greater flexibility in how an application is executed, while DI is a design pattern that allows for greater flexibility in how an application is structured and managed. In practice, IOC and DI are often used together, as DI is a common way to implement IOC.

How does Spring achieve DI or ioc design pattern? Spring IoC is achieved through Dependency Injection. Dependency Injection is the method of providing the dependencies and Inversion of Control is the end result of Dependency Injection. IoC is a design principle where the control flow of the program is inverted.

What are two ways to achieve Dependency Injection in Spring?

How do you explain dependency injection in an interview? Dependency Injection is a design pattern that promotes the separation of concerns by externalizing the construction and resolution of dependencies. In simpler terms, it's a way of providing the necessary dependencies (objects or services) to a class rather than letting the class create them itself.

What is dependency injection in Spring methods? In the Spring Framework, there are three main dependency injection techniques: Constructor Based Dependency Injection, Field or Property-Based Dependency Injection (@Autowired in a variable) and Setter Based Dependency Injection.

What is dependency injection best explanation? Dependency injection is used to make a class independent of its dependencies or to create a loosely coupled program. Dependency injection is useful for improving the reusability of code. Likewise, by decoupling the usage of an object, more dependencies can be replaced without needing to change class.

What is field dependency injection in Spring? Field injection involves injecting dependencies directly into class fields or properties. Dependencies are declared as private instance variables with the @ Autowired annotation. The Spring framework uses reflection to directly set the field values.

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