

Spring Boot Interview Questions (Basic to Advanced)

Basic Level Questions

1. What is Spring Boot?
2. What are the main features of Spring Boot?
3. What is the Spring Boot Starter?
4. What is Spring Boot Auto-Configuration?
5. What is the Spring Boot actuator?
6. How does the embedded server in Spring Boot work?
7. How do you configure properties in Spring Boot?
8. What is Spring Initializr?
9. What are the different scopes in Spring Framework?
10. What is DevTools in Spring Boot?

Intermediate Level Questions

1. How can you configure an embedded server in Spring Boot?
2. How do you handle exceptions in Spring Boot?
3. What is Spring Boot DevTools and how do you use it?
4. How does Spring Boot manage dependencies?
5. How does Spring Boot's externalized configuration work?
6. What is a CommandLineRunner in Spring Boot?
7. How does Spring Boot support profiles?
8. What are Spring Boot annotations?
9. How do you configure security in Spring Boot?

10. What is the difference between `@RestController` and `@Controller` in Spring Boot?

Advanced Level Questions

1. How do Spring Boot and Spring MVC differ?
2. How does Spring Boot's auto-configuration internally work?
3. How would you secure a Spring Boot REST API?
4. What is the difference between JPA and Hibernate in Spring Boot?
5. How do you create custom annotations in Spring Boot?
6. How does Spring Boot handle transactions?
7. How does Spring Boot achieve loose coupling with dependency injection?
8. What is the role of `SpringApplication` class in Spring Boot?
9. Explain Spring Boot's support for microservices architecture.
10. How would you tune the performance of a Spring Boot application?

Expert-Level Questions

1. What is the purpose of using Spring Boot with Docker?
2. How does Spring Boot integrate with cloud platforms?
3. Explain reactive programming in Spring Boot.
4. What are some patterns for deploying Spring Boot microservices?
5. How would you handle scalability issues in a Spring Boot microservices architecture?