

Spring Cloud - Interview Sheet

Microservices, service discovery, resilience, and distributed config

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Top 10 Interview Questions

Q1. What problems does Spring Cloud solve in a microservices architecture?

Answer:

Q2. Explain service discovery with Spring Cloud Netflix Eureka: how do services register and resolve each other?

Answer:

Q3. What is Spring Cloud Gateway? How does it differ from Zuul and how do you configure routes and filters?

Answer:

Q4. How does Spring Cloud Config Server provide distributed configuration management?

Answer:

Q5. Explain circuit breaking with Resilience4j in Spring Cloud: how do fallbacks and half-open state work?

Answer:

Q6. What is Spring Cloud Sleuth and Zipkin? How does distributed tracing work across microservices?

Answer:

Q7. How does client-side load balancing work in Spring Cloud using Spring Cloud LoadBalancer?

Answer:

Q8. What is Spring Cloud Stream and how does it abstract Kafka/RabbitMQ messaging behind a unified API?

Answer:

Q9. Explain the Saga pattern for distributed transactions and how you would implement it with Spring Cloud.

Answer:

Q10. How do you secure inter-service communication in Spring Cloud using OAuth2 token relay?

Answer: