

Topics Final exam Software architecture

Lesson 8 Microservices 1

- Advantages and disadvantages of SOA
- Characteristics of monolith
- SOA versus microservices
- Characteristics of microservices
- Microservice boundaries
- Orchestration versus choreography
- Stateful versus stateless
- Microservice deployment
- Microservice in the organization
- Config service

Lesson 9 Microservices 2

- Registry: Eureka
- Load balancing: Ribbon

Lesson 10 Microservices 3

- API gateway: Zuul
- Tracing: Zipkin
- Logging: ELK
- Resilience: Hystrix

Lesson 11 Microservices 4

- CQRS
- Reactive with webflux
- Transactions

Lesson 12 Microservices 5

- Security: OAuth2 and JWT
- EDA
- Kafka

Lesson 13 Stream based architecture

- Blackboard
- Event sourcing
- Stream based architecture

You don't need to memorize Java code or configuration